

**LEISTER**

PLASTIC WELDING

Swiss  
made



General Catalog | US-Edition

## Plastic Welding

Professional equipment for workshops  
and construction sites

[www.leister.com](http://www.leister.com)

**We know how.**



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Itasca, USA



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Leister Technologies India Pvt,  
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### Leister delivers performance.

For 70 years, Leister has been the worldwide leader in the field of plastic welding and industrial hot-air applications. In addition, we also offer innovative and effective lasersystems and microsystems. Leister is proud to develop and produce all products in Switzerland – so you can always rely on the proverbial Swiss made quality.

Over 98 percent of our products are exported. With an established network of 130 sales and service centers all over the globe, you will find a Leister partner guaranteed. We are local worldwide.



**LEISTER**

#### PLASTIC WELDING

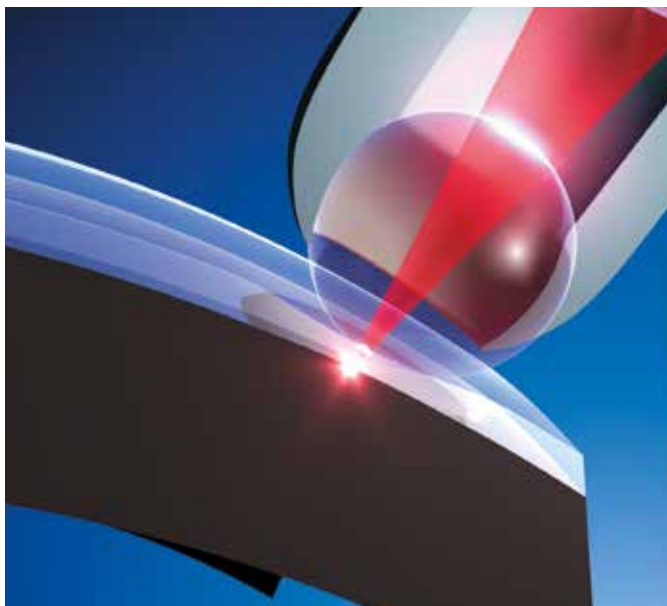
For decades now, Leister has been the worldwide market leader. The performance and reliability of our products makes Leister the first choice. Our tools are used in roofing, billboards, tarpaulins, civil engineering, tunneling, landfills, flooring, plastic fabrication, and shrinking to name a few.



**LEISTER**

#### PROCESS HEAT

Hot-air is increasingly deployed in industrial processes. Typical applications include activating, heating, curing, melting, shrinking, welding, sterilizing, drying and warming to name a few. Leister customers profit from our extensive engineering knowledge and benefit from our recommendations during the conceptual design of hot-air applications.



**LEISTER**

#### LASER PLASTIC WELDING

Leister's innovative and patented laser bonding solutions provide alternative production processes in automotive, medical, sensor, electronics and textile manufacturing as well as microsystems technology. Our clean, precise and non-invasive laser technology can also be applied to process heat applications.



### Plastic welding with Leister

Leister Technologies AG provides the appropriate high quality welding device for all sectors of the plastics processing industry. Our tools are used in sealing systems on roofs, plastic sheeting, floor coverings, in earthworks, hydraulic and tunnel engineering, equipment manufacturing and vehicle repair. However demanding the task, we provide an applicable solution.

### Research and development

With years of experience in plastic processing and industrial processes we are the ideal partner to work your plastic application. We have dedicated ourselves to constantly develop new, and to persistently improve existing products. We strive to provide our customers with outstanding quality, reliability, performance and cost-efficient products.

### Quality management

As an innovative company, Leister commits to transparent and consistent quality management. Leister Technologies AG is certified to comply with the ISO 9001 quality standards. All processes are regularly audited and improved to comply with all quality-relevant criteria; therefore, our products enjoy a reputation of providing reliable service even after years of use under adverse conditions.

### Testing and certification

Our products are designed and developed to comply with nationally and internationally recognized standards. This includes both product-specific standards—such as ISO, IEC, EN or UL standards—as well as application-specific standards. For our client's protection, tests are carried out by accredited and independent test institutes. The products are then certified and qualified to carry the marking of conformity.

### Application and laboratory testing

Our team of experts will assist you in choosing the right equipment for your application process. Running test series on your applications will help optimize processes. The equipment of the application laboratory allows comprehensive testing for process analysis and documentation of the results.

### More than 130 Sales and Service Centers in more than 100 countries

We believe that the basis for customer satisfaction lies within the quality of our products and the smooth running global service network. A close network of more than 130 sales and service centers in more than 100 countries ensures competent and responsive service. Distributors and their staff are trained and certified by Leister on a regular basis; therefore, Leister know-how is locally available to you at all times.











GEOSTAR G5/G7



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TRIAC ST for use in the roughest of environments.



HOT JET S ideal for detail work on the roof.



DIODE S for use with draw welding on tank details.

## Hot-Air Hand Tools

|                               |         |
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## Product overview Hot-air hand tools

|                                                                                                                                  |    |    |    |    |    |    |    |    |    |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Type                                                                                                                             | TRIAC ST                                                                            | TRIAC AT                                                                            | ELECTRON ST                                                                         | HOT JET S                                                                           | SOLANO AT                                                                           | GHIBLI AW                                                                             | GHIBLI                                                                                | HOTWIND                                                                               | FORTE S3                                                                              |
| Voltage V~                                                                                                                       | 120                                                                                 | 120                                                                                 | 120/230                                                                             | 120                                                                                 | 230                                                                                 | 120/230                                                                               | 120/230                                                                               | 120                                                                                   | 3 × 230 /<br>3 × 400                                                                  |
| Max. power W                                                                                                                     | 1600                                                                                | 1600                                                                                | 2400 / 3400                                                                         | 460                                                                                 | 2300                                                                                | 1800 / 2300                                                                           | 1500                                                                                  | 2300                                                                                  | 10 000                                                                                |
| Temperature °F                                                                                                                   | 104 – 1292                                                                          | 104 – 1148                                                                          | 104 – 1202                                                                          | 104 – 1112                                                                          | 120 - 1200                                                                          | 149 – 1148                                                                            | 104 – 1112                                                                            | 68 – 1202                                                                             | 68 – 1202                                                                             |
| Size in inches (L × W × H)<br>Handle (Ø)                                                                                         | 13 × 4<br>2                                                                         | 13 × 4<br>2                                                                         | 13 × 4<br>2                                                                         | 9 × 3<br>1.6                                                                        | 11 × 3 × 9<br>1.8                                                                   | 11 × 4 × 9<br>2                                                                       | 8 × 3 × 6<br>2                                                                        | 13 × 4 × 7                                                                            | 15 × 5<br>3.3                                                                         |
| Weight lbs (without cord)~                                                                                                       | 2                                                                                   | 2                                                                                   | 2                                                                                   | 1.3                                                                                 | 1.6                                                                                 | 3                                                                                     | 2                                                                                     | 5                                                                                     | 10                                                                                    |
| Integrated blower                                                                                                                | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                     | ✓                                                                                     | ✓                                                                                     | ✓                                                                                     |
| Digital display                                                                                                                  |                                                                                     | ✓                                                                                   |                                                                                     |                                                                                     | ✓                                                                                   | ✓                                                                                     |                                                                                       | ✓ (SYSTEM)                                                                            |                                                                                       |
| Conformity mark                                                                                                                  | CE                                                                                  | CE                                                                                  | CE                                                                                  | CE                                                                                  | CE                                                                                  | CE                                                                                    | CE                                                                                    | CE                                                                                    | CE                                                                                    |
| Approval mark                                                                                                                    |  |  |                                                                                     |  |  |                                                                                       |  |  |                                                                                       |
| Protection class                                                                                                                 |  |  |  |  |  |  |  |  |  |
| <b>Applications</b>                                                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Outdoor use                                                                                                                      | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |                                                                                     | ✓                                                                                     |                                                                                       |                                                                                       | ✓                                                                                     |
| Roofing                                       | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Billboards / Tarpaulins                       | ✓                                                                                   | ✓                                                                                   |                                                                                     | ✓                                                                                   | ✓                                                                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Civil engineering /<br>Tunneling / Landfills  | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Plastic fabrication                           | ✓                                                                                   | ✓                                                                                   |                                                                                     | ✓                                                                                   |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Flooring / Interior design                    | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Special applications                          | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                     | ✓                                                                                     | ✓                                                                                     | ✓                                                                                     |
| Shrinking                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | ✓                                                                                   | ✓                                                                                     | ✓                                                                                     | ✓                                                                                     | ✓                                                                                     |
| Catalog page                                  | 12 – 15                                                                             | 13 – 15                                                                             | 16 / 17                                                                             | 18 / 19                                                                             | 20 / 21                                                                             | 22 / 23                                                                               | 25                                                                                    | 26                                                                                    | 27                                                                                    |



## Product overview Hot-air hand tools and Blowers

|                                                                                                                                  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Type                                                                                                                             | AIRSTREAM ST                                                                      | ROBUST                                                                            | WELDING<br>PEN R / S                                                              | DIODE<br>PID / S                                                                  | MINOR                                                                              | LABOR S                                                                             |
| Voltage V~                                                                                                                       | 230                                                                               | 3 × 230 /<br>3 × 400                                                              | 120                                                                               | 120                                                                               | 230                                                                                | 120                                                                                 |
| Max. power W                                                                                                                     | 215                                                                               | 250                                                                               | 600                                                                               | 1600                                                                              | 100                                                                                | 600 / 700                                                                           |
| Temperature °F                                                                                                                   |                                                                                   |                                                                                   | 68 – 1112                                                                         | 68 – 1112                                                                         |                                                                                    | 68 – 1112                                                                           |
| Size in inches (L × W × H)<br>Handle (Ø)                                                                                         | 24 × 10 × 14                                                                      | 9 × 9                                                                             | 11 × 1<br>1.3                                                                     | 10 × 2<br>1.6                                                                     | 9 × 4<br>2.5                                                                       | 7 × 2<br>1.3                                                                        |
| Weight lbs (without cord)~                                                                                                       | 53                                                                                | 18                                                                                | 2                                                                                 | 3                                                                                 | 2.5                                                                                | 0.33                                                                                |
| Integrated blower                                                                                                                | ✓                                                                                 | ✓                                                                                 |                                                                                   |                                                                                   | ✓                                                                                  |                                                                                     |
| Digital display                                                                                                                  |                                                                                   |                                                                                   | ✓ (R)                                                                             | ✓ (PID)                                                                           |                                                                                    |                                                                                     |
| Conformity mark                                                                                                                  | CE                                                                                | CE                                                                                | CE                                                                                | CE                                                                                | CE                                                                                 | CE                                                                                  |
| Approval mark                                                                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | UL LISTED                                                                           |
| Protection class                                                                                                                 | ⏏                                                                                 | ⏏                                                                                 | ⏏                                                                                 | ⏏                                                                                 | ⏏                                                                                  | ⏏                                                                                   |
| <b>Applications</b>                                                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| Indoor use                                                                                                                       | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   |
| Roofing                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| Billboards / Tarpaulins                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| Civil engineering /<br>Tunneling / Landfills  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| Plastic fabrication                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   |
| Flooring / Interior design                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| Shrinking                                     | ✓                                                                                 |                                                                                   |                                                                                   | ✓                                                                                 |                                                                                    | ✓                                                                                   |
| Catalog page                                  | 28 / 29                                                                           | 30                                                                                | 31                                                                                | 32 / 33                                                                           | 33                                                                                 | 34                                                                                  |

# TRIAC ST: Design meets experience

The TRIAC ST is primarily used for welding and plastic fabrication. During its development, a deliberate choice was made to do without extra technical features. Instead it is distinguished by its robust design, reliability, versatility, and user-friendly features, like its predecessor the TRIAC S. A prominent feature is the two-component handle, which is not only attractive, but also gives the user perfect grip. The low weight—of less than one kilogram (2.2 lbs)—ensures perfect weight balance.

## Product advantage

1



### Ergonomic handling:

The two-component handle and perfect tool balance ensure ideal grip and optimum working even under the toughest conditions.

### Perfect weight:

Weighing less than 2.2 lbs, the TRIAC ST is even lighter than its predecessor.

2



### Always keeps a cool head:

There is an actively cooled protective tube for greater work safety.

3



### Welding power:

Thanks to the optimized, highly robust motor, TRIAC ST guarantees high welding power.

2



4



### Reliability:

A new temperature manager and a high dust resistance provide the heating elements with a long service life.

5



### Swiss thoroughness:

The air filters, located on either side, easily can be removed and cleaned. This ensures optimum air flow and maximum power output.

### Optimum protection:

The filters offer active protection against moisture and dust.

# TRIAC AT: Robust and intelligent

The TRIAC AT is an intelligent hot-air hand tool—for welding and shrinking plastics—that is suitable for on-site use. It is designed for the needs of even the most demanding professional. Every tool undergoes stringent quality checks prior to leaving the factory in Switzerland. This high-quality hot-air hand tool is equipped for all situations. Its universal areas of application are virtually unlimited. The TRIAC AT will continue to prove its merit in any weather condition and is just as effective outside as it is indoors – all during continuous operation.

## Hot-air hand tool

### TRIAC ST



- Suitable for the work site
- Functional design: two-component handle grip and optimum center of gravity ensure good ergonomics
- Quick clean air filters
- Automatic carbon stop and heating element protection provide automatic protective measures

#### Technical data

|                     |           |                             |
|---------------------|-----------|-----------------------------|
| Voltage             | V~        | 120                         |
| Frequency           | Hz        | 50 / 60                     |
| Power               | W         | 1600                        |
| Temperature         | °F        | 104 – 1292                  |
| Air volume (68°F)   | cfm       | 8.5 (17.7 cfm at max. temp) |
| Dynamic pressure    | Pa        | 3000                        |
| Ø Nozzle holder     | inches    | 1.24                        |
| Emission            | dB(A)     | 67                          |
| Size (L × Ø)        | inches    | 13 × 4, handle Ø 2          |
| Weight              | lbs       | 2 (without power cord)      |
| Conformity mark     | CE        |                             |
| Approval mark       | UL LISTED |                             |
| Protection class II | □         |                             |

#### Article No.:

- 141.228 TRIAC ST, 120 V / 1600 W for push-fit nozzles with US plug / UL  
 141.227 TRIAC ST, 230 V / 1600 W for push-fit nozzles with Euro plug

## Hot-air hand tool

### TRIAC AT



- Suitable for the work site
- Closed-loop controlled temperature
- Open loop controlled air volume
- Intelligent “e-Drive” operating unit
- Ergonomic handling
- Modern design

#### Technical data

|                     |           |                                   |
|---------------------|-----------|-----------------------------------|
| Voltage             | V~        | 120                               |
| Frequency           | Hz        | 50 / 60                           |
| Power               | W         | 1600                              |
| Temperature         | °F        | 104 – 1148                        |
| Air volume (68°F)   | cfm       | 5.7 – 8.5 (17.7 cfm at max. temp) |
| Dynamic pressure    | Pa        | 1600 – 3000                       |
| Ø Nozzle holder     | inches    | 1.24                              |
| Emission            | dB(A)     | 67                                |
| Size (L × Ø)        | inches    | 13 × 4, handle Ø 2                |
| Weight              | lbs       | 2 (without power cord)            |
| Conformity mark     | CE        |                                   |
| Approval mark       | UL LISTED |                                   |
| Protection class II | □         |                                   |

#### Article No.:

- 141.316 TRIAC AT, 120 V / 1600 W, with US plug, °F  
 141.382 TRIAC AT, 120 V / 1600 W, with US plug, °C





Overlap welding

## Accessories TRIAC ST / TRIAC AT

|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                                                                                      |                                                                                                               |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|    | <p>Wide slot nozzle</p> <p><b>107.123</b> 0.8" (20 mm), 15° angled</p> <p><b>107.132</b> 1.6" (40 mm), 15° angled</p> <p><b>107.133</b> 1.6" (40 mm), perforated</p> <p><b>107.135</b> 1.6" (40 mm), PTFE-coated</p> <p><b>107.129</b> 2.4" (60 mm) for bitumen</p> <p><b>107.131</b> 3.1" (80 mm) for bitumen</p> |    | <b>107.124</b> 0.8" (20 mm) angled nozzle, 70°, push-fit                                                      |
|    | <p>Wide slot nozzle</p> <p><b>105.475</b> 0.8" (20 mm), straight</p> <p><b>105.485</b> 0.98" (25 mm), straight</p> <p><b>105.494</b> 1.2" (30 mm), 15° angled</p>                                                                                                                                                  |    | <b>105.431</b> 0.12" (3 mm) speed weld nozzle, with small air-slide, push-fit on Ø 0.2" (5 mm) tubular nozzle |
|  | <b>105.487</b> Wide slot nozzle 0.8" (20 mm), curved and angular, with inward clamping angle                                                                                                                                                                                                                       |   | <b>105.432</b> 0.16" (4 mm) speed weld nozzle, with small air-slide, push-fit on Ø 0.2" (5 mm) tubular nozzle |
|  | <b>105.500</b> Wide slot nozzle 0.8" (20 mm), 120° angled (right) 30° slanted forward openly                                                                                                                                                                                                                       |  | <b>105.433</b> 0.2" (5 mm) speed weld nozzle, with small air-slide, push-fit on Ø 0.2" (5 mm) tubular nozzle  |
|  | <b>107.130</b> Wide slot nozzle 1.6" (40 mm), 60° bent                                                                                                                                                                                                                                                             |   | <b>107.139</b> 0.18" x 0.5" speed weld nozzle for fillet weld, push-fit on Ø 0.2" (5 mm) tubular nozzle       |
|  | <b>107.125</b> 0.8" (20 mm) angled nozzle, 60°, push-fit, for right hander                                                                                                                                                                                                                                         |  | <b>107.137</b> 0.31" (8 mm) speed weld nozzle for tape welding, push-fit on Ø 0.2" (5 mm) tubular nozzle      |
|  | <b>105.503</b> 0.8" (20 mm) angled nozzle, 60°, push-fit                                                                                                                                                                                                                                                           |  | Speed weld nozzle, push-fit on Ø 0.2" (5 mm) tubular nozzle                                                   |
|  | <b>100.303</b> Ø 0.2" (5 mm), tubular nozzle, push-fit                                                                                                                                                                                                                                                             |  | <b>106.992</b> 0.22" (5.7 mm), profile A                                                                      |
|  | <b>105.575</b> Ø 0.2 x 3.9" (5 x 100 mm), tubular nozzle, push-fit                                                                                                                                                                                                                                                 |  | <b>106.993</b> 0.28" (7 mm), profile B                                                                        |
|  | <b>106.982</b> Ø 0.2 x 5.9" (5 x 150 mm), extension nozzle, push-fit                                                                                                                                                                                                                                               |  | <b>106.989</b> Ø 0.12" (3 mm)                                                                                 |
|  | <b>105.576</b> tubular nozzle Ø 0.2" (5 mm), 90° curved                                                                                                                                                                                                                                                            |  | <b>106.990</b> Ø 0.16" (4 mm)                                                                                 |
|  | <b>106.996</b> Tacking nozzle, push-fit on Ø 0.2" (5 mm) tubular nozzle                                                                                                                                                                                                                                            |  | <b>106.991</b> Ø 0.2" (5 mm)                                                                                  |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |  | <b>156.470</b> Speed weld nozzle bend Ø 0.2" (5 mm), push-fit on Ø 0.2" (5 mm) tubular nozzle                 |



Mirror welding

More at the new accessories catalog at

[www.leister.com/accessories](http://www.leister.com/accessories)



Draw welding



Shrinking

|                                                                                               |                                                                                                          |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|              | <b>105.622</b> Ø 0.2" (5 mm) tubular nozzle, screw-on                                                    |
|              | <b>106.988</b> Tacking nozzle, screw-on                                                                  |
|              | <b>126.552</b> Ø 0.16" (4 mm) drawing nozzle, screw-on for fluoroplastics                                |
| <br>D       | <b>113.666</b> Ø 0.12" (3 mm) drawing nozzle with tacking tip, screw-on                                  |
|                                                                                               | <b>113.399</b> Ø 0.16" (4 mm) drawing nozzle with tacking tip, screw-on                                  |
|                                                                                               | <b>113.876</b> Ø 0.12" (3 mm) drawing nozzle without tacking tip, screw-on                               |
|                                                                                               | <b>113.874</b> Ø 0.16" (4 mm) drawing nozzle without tacking tip, screw-on                               |
| <br>A<br>B | <b>113.670</b> Drawing nozzle triangular-shaped, With tacking tip, screw-on 0.22" (5.7 mm), profile A    |
|                                                                                               | <b>113.877</b> Without tacking tip, screw-on 0.22" (5.7 mm), profile A                                   |
|                                                                                               | <b>106.986</b> Without tacking tip, screw-on 0.28" (7 mm) profile B                                      |
|                                                                                               | <b>106.987</b> Without tacking tip 0.28 × 0.22" (7 × 5.7 mm)                                             |
|            | <b>157.717</b> Protection nozzle 31.5 mm (1.24"), air outlet 23 mm (0.9"), protection ring 80 mm (3.15") |
|            | <b>107.344</b> 5.31" (135 mm) welding mirror, push-fit                                                   |
|            | <b>143.833</b> Nozzle adapter for screw-on nozzles                                                       |
|            | <b>143.332</b> Protection tube for screw-on nozzles (for TRIAC ST until april 2017)                      |
|                                                                                               | <b>156.092</b> Protection tube for screw-on nozzles (for TRIAC ST from mai 2017)                         |
|                                                                                               | <b>144.134</b> Protection tube for screw-on nozzles (for TRIAC AT)                                       |
|            | <b>141.375</b> Connection adapter M14 for Ø 0.83 inches nozzle with plug                                 |

|                                                                                     |                                                                                            |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|    | <b>107.324</b> 0.5" × 0.4" (12 × 10 mm) sieve reflector, push-fit on Ø 0.3" tubular nozzle |
|   | <b>107.337</b> 2.0" × 1.4" (50 × 35 mm) sieve reflector, push-fit                          |
|                                                                                     | <b>107.338</b> 1.37" × 0.8" (35 × 20 mm) sieve reflector, push-fit                         |
|   | <b>107.326</b> 1.0" × 6" (25 × 150 mm) shell reflector, push-fit                           |
|  | <b>107.307</b> 1.1" × 1.4" (27 × 35 mm) spoon reflector, push-fit                          |
|  | <b>107.339</b> 0.66" × 1.33" (27 × 34 mm) soldering reflector, push-fit                    |
|  | <b>106.128</b> 0.3" (7.5 mm) soldering reflector                                           |
|  | Heating element for                                                                        |
|                                                                                     | <b>142.718</b> TRIAC ST / TRIAC AT, 120 V / 1550 W                                         |
|                                                                                     | <b>142.717</b> TRIAC ST / TRIAC AT, 230 V / 1550 W                                         |
|                                                                                     | <b>100.702</b> TRIAC S, 120V / 1600 W                                                      |

# ELECTRON ST: Strong, compact and handy

The new ELECTRON ST is a real powerhouse among Leister's hand tools. The appearance of this tool has been modeled after the new TRIAC range. For the user, this means improved ergonomics and, as a result, the ability to work in more comfort. Existing ELECTRON nozzles fit the new model.

## Product advantages

1



### Powerful:

Suitable for any application thanks to its outstanding power rating of up to 3400 W.

2



### Perfectly ergonomic:

3.5 ounces lighter and with a two-component handle that's nearly 1/2 inches slimmer than its predecessor.

3



### Infinitely adjustable:

Easy air temperature adjustment up to 1202°F.

1

2

3

4

5

4



### Clean:

Air filters, located on either side, can be removed and cleaned in no time at all.

5



### Compatible:

All predecessor nozzles fit the ELECTRON ST.





Heating shrink tubes/sleeves is just one of many applications for which the ELECTRON ST can be used.

## Hot-air hand tool

### ELECTRON ST



- Suitable for construction sites
- Leister's most powerful hand tool
- Easy-clean air filter
- Carbon stop and heating element protection provide automatic protective measures
- Sturdy tool case supplied

#### Technical data

|                     |        |                          |
|---------------------|--------|--------------------------|
| Voltage             | V~     | 230 / 230 / 120          |
| Frequency           | Hz     | 50 / 60                  |
| Power               | W      | 2300 / 3400 / 2400       |
| Temperature         | °F     | 104 – 1202               |
| Air volume (68°F)   | cfm    | 12.7 (24.7 at max. temp) |
| Dynamic pressure    | Pa     | 3400                     |
| Ø Nozzle holder     | mm     | 50                       |
| Emission            | dB(A)  | 67                       |
| Size (L × Ø)        | inches | 13 × 4, handle Ø 2       |
| Weight              | lbs    | 2 (without power cord)   |
| Conformity mark     |        | CE                       |
| Approval mark       |        |                          |
| Protection class II |        | □                        |

#### Article No.

- 145.562 ELECTRON ST, 120 V/2400 W for push-fit nozzles with US plug  
 145.574 ELECTRON ST, 230 V/3400 W for push-fit nozzles, without plug

### Accessories, ELECTRON ST

|                                                                                      |                |                                                                             |
|--------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------|
|    | <b>107.258</b> | Wide slot nozzle, push-fit 2.8 × 0.4" (70 × 10 mm), for bitumen             |
|    | <b>107.266</b> | Wide slot nozzle, 3" flat nozzle                                            |
|    | <b>107.653</b> | Wide slot nozzle 3 × 0.08" (75 × 2 mm), push-fit                            |
|   | <b>151.068</b> | Tool stand for ELECTRON ST                                                  |
|  | <b>107.270</b> | Wide slot nozzle 6 × 0.5" (150 × 12 mm), push-fit                           |
|  | <b>107.229</b> | Round nozzle 0.8" (20 mm)                                                   |
|  | <b>107.331</b> | 2.83 × 2.8" (72 × 70 mm) folding reflector, push-fit                        |
|  | <b>107.330</b> | 5 × 0.85" (125 × 22 mm) folding reflector, push-fit                         |
|  | <b>107.327</b> | 3 × 3" (85 × 85 mm) sieve reflector, push-fit                               |
|  | <b>107.333</b> | 5.1 × 5.9" (130 × 150 mm) sieve reflector, push-fit                         |
|  | <b>106.127</b> | Ø 2.6" (65 mm) sieve reflector, push-fit                                    |
|  | <b>107.340</b> | 2 × 10" (45 × 250 mm) shell reflector, push-fit                             |
|  | <b>107.346</b> | 10.6" (270 mm) welding mirror, push-fit                                     |
|  | <b>142.281</b> | Scraper nozzle                                                              |
|  | <b>107.134</b> | Tape welding nozzle 1.6" (40 mm)                                            |
|  | <b>160.842</b> | Protection nozzle, air outlet 44 mm (1.73"), protection ring 100 mm (3.93") |
|  | <b>148.933</b> | Protective tube                                                             |
|  | <b>145.606</b> | Heating elements                                                            |
|                                                                                      | <b>149.675</b> | 230 V / 3300 W                                                              |
|                                                                                      | <b>145.604</b> | 230 V / 2200 W                                                              |
|                                                                                      |                | 120 V / 2300 W                                                              |

More at the new accessories catalog at

[www.leister.com/accessories](http://www.leister.com/accessories)

General accessories

# HOT JET S: Small and powerful

As Leister's most compact hot-air hand tool, the light weight of the 1.3 lb HOT JET S (including cord and slim handle), ensures high-powered, fatigue-free welding.



HOT JET S is especially suited for precise work.

## Hot-air hand tool

### HOT JET S



- The smallest Leister hot-air hand tool
- Stepless, electronically controlled temperature
- Stepless, electronically controlled air flow
- Low noise
- Flexible, integrated tool stand

#### Technical data

|                     |           |                              |
|---------------------|-----------|------------------------------|
| Voltage             | V~        | 120                          |
| Frequency           | Hz        | 50 / 60                      |
| Power               | W         | 460                          |
| Temperature         | °F        | 104 – 1112                   |
| Air volume (68°F)   | cfm       | 1.4 – 3.9 (7.1 at max. temp) |
| Pressure static     | Pa        | 230 – 1600                   |
| Ø Nozzle holder     | inches    | 0.8                          |
| Emission            | dB(A)     | 59                           |
| Size (L x Ø)        | inches    | 9 x 3, Handle Ø 1.6          |
| Weight              | lbs       | 1.3 (without power cord)     |
| Conformity mark     | CE        |                              |
| Approval mark       | UL LISTED |                              |
| Protection class II | □         |                              |

#### Article No.:

- 100.859 HOT JET S, 120 V / 460 W with US plug (UL)  
 100.861 HOT JET S, 120 V / 460 W, with US plug

## Accessories HOT JET S

|  |                |                                                                                                            |
|--|----------------|------------------------------------------------------------------------------------------------------------|
|  | <b>107.141</b> | 0.6" (15 mm) wide slot nozzle, push-fit                                                                    |
|  | <b>107.142</b> | 0.8" (20 mm) wide slot nozzle, push-fit                                                                    |
|  | <b>105.549</b> | 0.4 x 0.08" (10 x 2 mm) wide slot nozzle                                                                   |
|  | <b>107.144</b> | Ø 0.2" (5 mm) tubular nozzle, push-fit                                                                     |
|  | <b>105.567</b> | Ø 0.2 x 6" (5 x 150 mm) extension nozzle, straight                                                         |
|  | <b>105.566</b> | Ø 0.2" (5 mm) tubular nozzle, straight                                                                     |
|  | <b>105.556</b> | 0.8" (20 mm) angled nozzle, 70° angled, push-fit                                                           |
|  | <b>106.996</b> | Tacking nozzle, push-fit on Ø 0.2" or 3/16" (5 mm) tubular nozzle                                          |
|  | <b>106.989</b> | 0.12" or 1/8" (3 mm) speed welding nozzle, push-fit on Ø 0.2" (5 mm) tubular nozzle                        |
|  | <b>106.990</b> | 0.16" or 5/23" (4 mm) speed welding nozzle, push-fit on Ø 0.2" (5 mm) tubular nozzle                       |
|  | <b>106.991</b> | 0.2" or 3/16" (5 mm) speed welding nozzle, push-fit on Ø 0.2" (5 mm) tub. nozzle                           |
|  | <b>156.470</b> | Speed weld nozzle bend Ø 0.2" (5 mm), push-fit on 0.2" (5 mm) tubular nozzle                               |
|  | <b>106.992</b> | 0.22" (5.7 mm) A profile speed welding nozzle, push-fit                                                    |
|  | <b>106.993</b> | 0.28" (7 mm) B profile speed welding nozzle, push-fit                                                      |
|  | <b>105.431</b> | 0.12" or 1/8" (3 mm) speed welding nozzle, with small air-slide, push-fit on Ø 0.2" (5 mm) tubular nozzle  |
|  | <b>105.432</b> | 0.16" or 5/32" (4 mm) speed welding nozzle, with small air-slide, push-fit on Ø 0.2" (5 mm) tubular nozzle |
|  | <b>105.433</b> | 0.2" or 3/16" (5 mm) speed welding nozzle, with small air-slide, push-fit on Ø 0.2" (5 mm) tubular nozzle  |



HOT JET S with angled nozzle welding a T-joint on the roof.



Heating a shrink sleeve with the HOT JET S outfitted with a push-fit sieve reflector.

|                                                                                     |                                                                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|    | <b>107.137</b> 0.3" (8 mm) speed welding nozzle for tape welding, push-fit on Ø 0.2" (5 mm) tubular nozzle              |
|    | <b>107.139</b> 0.18 × 0.5" (4.5 × 12 mm) speed welding nozzle for fillet weld, push-fit on Ø 0.2" (5 mm) tubular nozzle |
|    | <b>107.324</b> 0.5 × 0.4" (12 × 10 mm) sieve reflector, push-fit on Ø 0.2" (5 mm) tubular nozzle                        |
|   | <b>107.146</b> Ø 0.08" (2 mm) soldering nozzle                                                                          |
|                                                                                     | <b>107.151</b> Ø 0.16" (4 mm) soldering nozzle                                                                          |
|                                                                                     | <b>107.148</b> Ø 0.12 × 0.06" (3 × 1.5 mm) soldering nozzle, oval                                                       |
|  | <b>107.310</b> 1.4 × 0.8" (35 × 20 mm) sieve reflector, push-fit                                                        |
|                                                                                     | <b>107.311</b> 2.0 × 1.4" (50 × 35 mm) sieve reflector, push-fit                                                        |
|  | <b>107.312</b> 1.0 × 1.2" (25 × 30 mm) spoon reflector, push-fit                                                        |
|  | <b>107.305</b> 0.6 × 1" (15 × 25 mm) ironing nozzle                                                                     |
|  | <b>143.831</b> Nozzle adapter for screw-on nozzles                                                                      |
|  | <b>114.734</b> Ski repair nozzle with base plate                                                                        |
|  | <b>103.607</b> 120 V / 435 W heating element                                                                            |

|                                                                                   |                                                                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | <b>131.867</b> Ø 0.2" (5 mm), tubular nozzle, 90° angled, push-fit |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|

Small and handy: The HOT JET S is perfect when welding complicated details in billboard and tarpaulin applications.



More at the new accessories catalog at

[www.leister.com/accessories](http://www.leister.com/accessories)

General accessories



# SOLANO AT: Light, quiet, durable

From our dialog with you, we know what you need. When we were developing the SOLANO AT, we focused on your requirements. This is why it is lighter, quieter and more durable than any other hot-air hand tool. Discover its unbeatable advantages – SOLANO AT.

Heat gun

## SOLANO AT

1



**Practical dust filter:**  
Robust, fine-mesh and easy to clean dust filter (exchangeable).

2



**Operating keys:**  
180° panorama soft-touch keypad for convenient operation.

3



**Burn protection – A.B.D (anti-burn design):**  
For a safe handling of the hot-air blower.

4



**Ergonomic:**  
Thanks to the handle's soft grip and its light weight, the SOLANO AT heat gun is comfortably held in the hand and enables effortless work.



Customizable temperature and air flow limit values



Customizable cooling function



Contactless device configuration via myLeister APP



Customizable direct start-up



Customizable power management





SOLANO AT – Difficult leather parts – safe and efficient processing

## Heat gun

## SOLANO AT



- **Long-lasting:** thanks to the brushless motor and sturdy LEISTER heating element
- **Light and quiet:** weighs 1.6 lbs and runs extremely smoothly at < 65 dB for efficient and effortless operation
- **Economical:** saves up to 40% energy in Eco mode
- **Safe:** due to its multi-level system to protect against overheating
- **Simple:** due to its intuitive operation
- **Controlled:** consistent performance due to the intelligent temperature controller
- **Versatile:** suitable for numerous applications in various industries

## Technical data

|                                 |                                                                                     |                                 |      |      |
|---------------------------------|-------------------------------------------------------------------------------------|---------------------------------|------|------|
| Voltage                         | V~                                                                                  | 100                             | 120  | 230  |
| Power                           | W                                                                                   | 1500                            | 1800 | 2300 |
| Temperature                     | °F                                                                                  | 120 – 1200                      |      |      |
| Air volume                      | cfm                                                                                 | 5.7 – 10.6 (19.4 at max. temp.) |      |      |
| Emission                        | dB (A)                                                                              | < 65                            |      |      |
| Dimensions L × W × H (Ø handle) | inches                                                                              | 10.6 × 3.0 × 9.4 (1.8)          |      |      |
| Weight                          | lbs                                                                                 | 1.6                             |      |      |
| Conformity mark                 |  |                                 |      |      |
| Approval mark                   |  |                                 |      |      |
| Protection class II             |  |                                 |      |      |

## Article No.:

- 162.269 SOLANO AT 230 V / 2300 W with AUS plug, box (162.270 casing)  
 162.271 SOLANO AT 220 V / 2100 W with KR plug, box (162.272 casing)  
 162.273 SOLANO AT 120 V / 1800 W with US plug, box (162.274 casing)  
 162.275 SOLANO AT 100 V / 1500 W with JP plug, box (162.276 casing)  
 Scope of delivery: SOLANO AT, box / casing

## Accessories SOLANO AT

|  |                                                                            |
|--|----------------------------------------------------------------------------|
|  | <b>106.998</b> Wide slot nozzle 0.8" (20 mm), push-fit                     |
|  | <b>106.999</b> Wide slot nozzle 1.6" (40 mm) inches push-fit               |
|  | <b>107.154</b> Tubular nozzle Ø 0.2" (5 mm) push-fit                       |
|  | <b>107.006</b> Extension nozzle<br>Ø 0.2 × 5" (5 × 130 mm), straight       |
|  | <b>107.308</b> Sieve reflector 2 × 1.4 (50 × 35 mm)                        |
|  | <b>107.309</b> Sieve reflector 1.4 × .8" (35 × 20 mm)                      |
|  | <b>107.313</b> Spoon reflector 1 × 1.2" (25 × 30 mm), with screw connector |
|  | <b>107.314</b> 25 × 30 mm spoon reflector, push-fit                        |
|  | <b>107.319</b> Sieve reflector Ø 2.6" (65 mm)                              |
|  | <b>147.222</b> Heat protection device                                      |
|  | <b>162.067</b> Heating element, 230 V / 2200 W                             |
|  | <b>162.068</b> Heating element, 120 V / 1700 W                             |
|  | <b>162.069</b> Heating element, 100 V / 1450 W                             |

More at the new accessories catalog at

[www.leister.com/accessories](http://www.leister.com/accessories)

General accessories

# GHIBLI AW: Robust and ergonomic

The GHIBLI AW is the robust and ergonomic heat gun used for shrink applications in cable manufacturing, heating and forming in the automobile industry, lap welding of truck sheeting and for deburring plastic parts. Thanks to the easy-to-grip, two-component frame, the GHIBLI AW fits perfectly in the hand. Temperature and air volume easily can be adjusted with the proven and intuitive "e-Drive" operating unit. The stand—included in the scope of delivery—

## Heat gun

### GHIBLI AW

1



**Stand:**  
Thanks to the included stand, the GHIBLI AW can be placed in an optimum position at the workstation, thus reducing fatigue.

2



**Practical air filter:**  
Regular cleaning of the air filters ensures optimum air flow and maximum power.

3



**Leister "e-Drive":**  
Temperature and air volume are easy to control and inspect—with the proven "e-Drive" operating unit—for reproducible results.

4



**Fatigue-free working:**  
Thanks to the integrated suspension lug, the GHIBLI AW can be suspended for fatigue-free work.

5



**Compatible:**  
All of its predecessor's nozzles also fit on the GHIBLI AW. Comprehensive selection of compatible accessories.

6



**Ergonomic handling:**  
The two-component handle, and the GHIBLI's perfect balance, ensure an optimal grip and comfortable work, even under the harshest of conditions.





and the practical device suspension make working easier. The air filters can be readily removed and cleaned. And of course, all of the nozzles from its predecessor fit the new GHIBLI AW.



Shrink applications in cable manufacturing – ideal with the GHIBLI AW.

## Heat gun

### GHIBLI AW



- Ergonomic heat gun
- Digital temperature control
- Five-stage air volume control
- "e-Drive" operating unit for optimum process control
- 100% Swiss made

#### Technical data

|                        |        |                                |
|------------------------|--------|--------------------------------|
| Voltage                | V~     | 120                            |
| Frequency              | Hz     | 50 / 60                        |
| Power                  | W      | 1800                           |
| Temperature            | °F     | 149 – 1148                     |
| Air volume (68°C)      | cfm    | 8.1 – 11.7 (21.2 at max. temp) |
| Pressure static        | Pa     | 1800 – 3200                    |
| Ø Nozzle holder        | inches | 1.5 (36.5 mm)                  |
| Emission               | dB(A)  | 67                             |
| Dimensions (L × W × H) | inches | 11 × 4 × 9, Handle Ø 1.8       |
| Weight                 | lbs    | 3 (without power cord)         |
| Conformity mark        | CE     |                                |
| Approval mark          |        |                                |
| Protection class II    | □      |                                |

#### Article No.:

148.078 GHIBLI AW, 120 V / 1800 W, US plug

Scope of delivery: GHIBLI AW, case, stand, Quick guide

## Accessories for GHIBLI AW

|                                                                                     |                |                                                                                     |
|-------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|
|    | <b>106.998</b> | Wide slot nozzle 0.8" (20 mm), push-fit                                             |
|    | <b>106.999</b> | Wide slot nozzle 1.6" (40 mm), push-fit                                             |
|    | <b>107.154</b> | Tubular nozzle Ø 0.2" (5 mm), push-fit                                              |
|   | <b>107.006</b> | Extension nozzle<br>Ø 0.2 × 5" (5 × 130 mm), straight                               |
|  | <b>107.308</b> | Sieve reflector 2 × 1.4 (50 × 35 mm)                                                |
|  | <b>107.309</b> | Sieve reflector 1.4 × .8" (35 × 20 mm)                                              |
|  | <b>107.313</b> | Spoon reflector 1 × 1.2" (25 × 30 mm),<br>with screw connector                      |
|  | <b>107.314</b> | 25 × 30 mm spoon reflector, push-fit                                                |
|  | <b>107.319</b> | Sieve reflector Ø 2.6" (65 mm)                                                      |
|  | <b>107.345</b> | Welding mirror 5.3" (135 mm),<br>push-fit                                           |
|  | <b>158.474</b> | Protection nozzle,<br>air outlet Ø 23 mm (0.9"), protection<br>ring Ø 80 mm (3.15") |
|  | <b>107.007</b> | Ø 1.45" (37 mm) Dehorning nozzle                                                    |
|  | <b>106.132</b> | 1.8 × 9.8" (45 × 250 mm)<br>shell reflector, push-fit                               |
|  | <b>145.580</b> | Heating element, 120 V / 1700 W                                                     |

More at the new accessories catalog at

[www.leister.com/accessories](http://www.leister.com/accessories)

General accessories



# GHIBLI: “The hot-air gun”

GHIBLI, derived from a hot desert wind, certainly lives up to its name. Thanks to its two-step airflow switching and steplessly adjustable temperature, the GHIBLI can be used for the most diverse applications.



Shrinking cable connections with the GHIBLI.

## Hot-air hand tool

### GHIBLI



- Universal tool for welding and shrinking
- Welding results independent of voltage fluctuations and ambient temperature
- Two-step selectable airflow

#### Technical data

|                     |           |                                |
|---------------------|-----------|--------------------------------|
| Voltage             | V~        | 120                            |
| Frequency           | Hz        | 50 / 60                        |
| Power               | W         | 1500                           |
| Temperature         | °F        | 104 – 1112                     |
| Air volume (68°F)   | cfm       | 8.8 / 10.6 (17.7 at max. temp) |
| Ø Nozzle holder     | inches    | 1.5                            |
| Emission            | dB(A)     | 70                             |
| Size (L × W × H)    | inches    | 8 × 3 × 6, Handle Ø 2          |
| Weight              | lbs       | 2.0 (without power cord)       |
| Conformity mark     | CE        |                                |
| Approval mark       | UL LISTED |                                |
| Protection class II | □         |                                |

#### Article No.:

- 101.887 GHIBLI 120 V / 1500 W with US plug  
101.891 GHIBLI 120 V / 1500 W with US plug (UL)

Additional versions available upon request

## Accessories GHIBLI

|  |                                                                                              |
|--|----------------------------------------------------------------------------------------------|
|  | <b>106.998</b> 0.8" (20 mm) wide slot nozzle, push-fit                                       |
|  | <b>106.999</b> 1.6" (40 mm) wide slot nozzle                                                 |
|  | <b>107.154</b> Ø 0.2" (5 mm) tubular nozzle, push-fit                                        |
|  | <b>107.006</b> Ø 0.2 × 5" (5mm × 130 mm) extension nozzle, straight                          |
|  | <b>107.308</b> 1.4 × 2" (34 × 50 mm) sieve reflector                                         |
|  | <b>107.309</b> 0.8 × 1.4" (20 × 35 mm) sieve reflector                                       |
|  | <b>107.313</b> 1 × 1.2" (25 × 30 mm) spoon reflector, with screw connector                   |
|  | <b>107.314</b> 1 × 1.2" (25 × 30 mm) spoon reflector, push-fit                               |
|  | <b>107.319</b> Ø 2.55" (65 mm) sieve reflector, push-fit                                     |
|  | <b>158.474</b> Protection nozzle, air outlet Ø 23 mm (0.9"), protection ring Ø 80 mm (3.15") |
|  | <b>107.007</b> Ø 1.45" (37 mm) Dehorning nozzle                                              |
|  | <b>107.345</b> 5.3" (135 mm) welding mirror, push-fit                                        |
|  | <b>106.132</b> 5.90 × 1.0" (150 × 25 mm) shell reflector, push-fit                           |
|  | <b>101.850</b> 120 V / 1500 W heating element                                                |

More at the new accessories catalog at

[www.leister.com/accessories](http://www.leister.com/accessories)

General accessories



# HOTWIND: The new dimension

Weighing just 6.6 lbs, the HOTWIND can be used either as an integrated or bench-top device. The high maximum temperature—1,472 °F (800°C)—means that the HOTWIND can be used in a variety of ways.



HOTWIND SYSTEM with wide slot nozzle integrated in a blow-off application.

## Hot-air hand tool

### HOTWIND PREMIUM / SYSTEM



- Ideal for warming, heating, forming and drying
- Stepless adjustment of the heater and blower
- Integrated device and heating element protection
- Extremely smooth running
- Ideal for 24/7 operation

#### Technical data

|                     |        |                        |
|---------------------|--------|------------------------|
| Voltage             | V~     | 120 / 230              |
| Power               | W      | 2300 / 3700            |
| Temperature         | °F     | 1202                   |
| Size (L × W × H)    | inches | 13 × 4 × 7             |
| Weight              | lbs    | 5 (without power cord) |
| Conformity mark     | CE     |                        |
| Approval mark       | cULus  |                        |
| Protection class II | □      |                        |

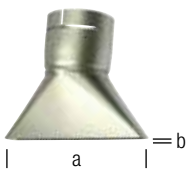
#### Article No.:

|         |                                                   |
|---------|---------------------------------------------------|
| 140.095 | HOTWIND PREMIUM, 120 V / 2300 W, without plug     |
| 142.636 | HOTWIND SYSTEM, 120 V / 2300 W, without Euro plug |
| 142.609 | HOTWIND PREMIUM, 230 V / 3700 W, with Euro plug   |
| 142.645 | HOTWIND SYSTEM, 230 V / 3700 W, with Euro plug    |

Additional versions available upon request

## Accessories

### HOTWIND PREMIUM / SYSTEM

|                                                                                      |                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wide slot nozzle, push-fit (a × b)                                                   |                                                                                                                                                                                                                                                                                                           |
|    | <b>107.260</b> 3.3 × 0.6" (85 × 15 mm)<br><b>107.259</b> 6 × 0.5" (150 × 12 mm)<br><b>105.977</b> 7.8 × 0.35" (200 × 9 mm)<br><b>107.263</b> 9.8 × 0.5" (250 × 12 mm)<br><b>107.262</b> 11.8 × 0.16" (300 × 4 mm)<br><b>105.992</b> 15.7 × 0.16" (400 × 4 mm)<br><b>105.991</b> 19.7 × 0.16" (500 × 5 mm) |
|    | <b>125.317</b> Flange connector, push-fit<br>a = 3.54" (90 mm)                                                                                                                                                                                                                                            |
|  | <b>107.335</b> Ø 6" (150 mm) sieve reflector, push-fit                                                                                                                                                                                                                                                    |
|  | <b>107.248</b> Stainless steel filter, push-fit on air intake                                                                                                                                                                                                                                             |
|  | <b>141.723</b> Hand tool kit (handle and protective tube)                                                                                                                                                                                                                                                 |
|  | <b>143.530</b> 120 V / 2200 W heating element<br><b>103.607</b> 230 V / 3600 W heating element                                                                                                                                                                                                            |

# FORTE S3: Flameless shrinking

The most powerful hot-air hand tool from Leister. The FORTE S3 is extremely well-suited for flameless shrinking of pallets and bulk goods.



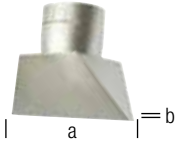
Flameless shrink-wrapping of pallets and bulk goods with the FORTE S3.

Hot-air hand tool

## FORTE S3



- Powerful pallet shrink-wrapping
- Uniform shrinkage
- May be used in confined spaces
- Integrated tool stand

|                                                                                    |                |                                    |
|------------------------------------------------------------------------------------|----------------|------------------------------------|
|  |                | Wide slot nozzle, push-fit (a × b) |
| 106.028                                                                            | 8.66 × 0.47 in |                                    |
| 107.272                                                                            | 11.8 × 0.47 in |                                    |
| 106.018                                                                            | 15.7 × 0.39 in |                                    |
| 106.024                                                                            | 19.7 × 0.28 in |                                    |
| 107.267                                                                            | 19.7 × 0.59 in |                                    |
| 106.023                                                                            | 23.6 × 0.16 in |                                    |
| 106.026                                                                            | 23.6 × 0.35 in |                                    |

| Technical data                             |                                                  |                         |
|--------------------------------------------|--------------------------------------------------|-------------------------|
| Voltage                                    | V~                                               | 3 × 230                 |
| Power                                      | kW                                               | 10                      |
| Temperature                                | °F                                               | 1202                    |
| Size (L × Ø)                               | inches                                           | 15 × 5, handle Ø 3.3    |
| Weight                                     | lbs                                              | 10 (without power cord) |
| Conformity mark                            | CE                                               |                         |
| Approval mark                              |                                                  |                         |
| Protection class II                        | □                                                |                         |
| Article No.:                               |                                                  |                         |
| 102.030                                    | FORTE S3, 3 × 230 V / 10 kW, with 32A-Cekon-plug |                         |
| 102.031                                    | FORTE S3, 3 × 230 V / 10 kW, without plug        |                         |
| Additional versions available upon request |                                                  |                         |

# AIRSTREAM ST: Quiet and efficient air supply unit

Plug-in the AIRSTREAM ST for a constant, quiet supply of clean, dry, air. Need to work with two hand tools in parallel? No problem, thanks to the simultaneous power and air supply, you can connect up to two hand tools in parallel. The AIRSTREAM includes a handle and integrated tool tray, and casters (optional) for easy mobility. The AIRSTREAM ST is a highly practical solution!

1



## Dual operation:

The two tool connections enable simultaneous use of two hand tools, or in series with independent settings.

2



## The quick-change artist:

Easily integrates into a workspace, or under a bench, by removing the handle and flipping the integrated tool tray upside-down, or adding the optional casters for portability.

3



## Quality is measurable:

Adjustable air flow for optimal welding results as airflow determines energy transfer and weld quality.

4



## Automated cooldown cycle:

Hand tools last longer when cared for properly. The AIRSTREAM automatically cools down the connected tools when power is switched off. When the switch is turned "on," the tools automatically return to previous temperature and airflow settings as well.

2



1

3

4





AIRSTREAM ST, the quiet air supply unit.

**Blower****AIRSTREAM ST**

- Quiet operation
- Cooldown mode
- Low energy consumption
- Two hand tools can be connected
- Compatible with WELDING PEN, DIODE and LABOR
- Flow meter
- Brushless technology

**Technical Data**

|                    |                      |                            |
|--------------------|----------------------|----------------------------|
| Voltage            | V~                   | 230                        |
| Power              | W                    | 215                        |
| Frequency          | Hz                   | 50                         |
| Air volume         | cfm                  | 7.06 (Total)               |
| Emission           | L <sub>pA</sub> (dB) | < 48 (with 10 ft hose)     |
| Size (L × W × H)   | inches               | 24 × 10 × 14 (with handle) |
| Weight             | lbs                  | 53                         |
| Conformity mark    | CE                   |                            |
| Protection class I | ⏏                    |                            |

**Scope of delivery:**

Air supply unit, hose transition pieces, clips, quick guide

**Article-No.:**

158.822 AIRSTREAM ST, 230 V/215 W, EU-plug

**Accessories AIRSTREAM ST****159.535** Caster set**159.481** Air hose connection set

Easy parallel operation.



A reliable companion.

## ROBUST: The powerhouse

Versatile and operable at high ambient temperatures of up to 140 °F. Despite its small size, the ROBUST is a real powerhouse. This blower can supply air for up to three hot-air hand tools simultaneously.



ROBUST blower, serving as the external air supply for the WELDING PEN.

### Blower

## ROBUST



- High-performance, compact design
- Sound-suppression
- Can be integrated at any position
- Can be used as an external air supply to 1 WELDING PEN R or up to max. 3 DIODE S/ PID or max. 3 LABOR S (with 107.281 hose adapter)

### Technische Daten

|                             |          |             |             |
|-----------------------------|----------|-------------|-------------|
| Frequency                   | Hz       | 50          | 60          |
| Power                       | W        | 250         | 250         |
| Air volume (68 °F)          | cfm      | 42          | 46          |
| Static pressure             | psi      | 1.16        | 1.52        |
| Max. ambient temperature    | °F       | 140         | 140         |
| Max. air inlet temperature  | °F       | 140         | 140         |
| Noise emission level        | dB(A)    | 62          | 62          |
| Protection (IEC 60529)      |          | IP 54       | IP 54       |
| Outside diameter air inlet  | Ø inches | 1.5 (38 mm) | 1.5 (38 mm) |
| Outside diameter air outlet | Ø inches | 1.5 (38 mm) | 1.5 (38 mm) |
| Weight                      | lbs      | 18          | 18          |
| Conformity mark             |          | CE          | CE          |
| Protection class I          |          | ⊕           | ⊕           |

### Artikel-Nr.:

|                        |              |                |                |                |
|------------------------|--------------|----------------|----------------|----------------|
| Voltage V~             | 50 Hz        | 1 × 120        | 1 × 230        | 3 × 230 / 400  |
|                        | 60 Hz        |                |                | 3 × 440 – 480  |
| Without cord           | Article No.: | <b>103.434</b> |                | <b>103.429</b> |
| 10 ft cord / Euro plug | Article No.: |                | <b>103.432</b> |                |

## Accessories ROBUST

|  |                                                                                    |
|--|------------------------------------------------------------------------------------|
|  | <b>107.354</b> Stainless steel filter, push-fit on air intake                      |
|  | <b>107.281</b> Ø 1.5" (38 mm) hose connection adapter, 3 output each 0.55" (14 mm) |
|  | <b>113.859</b> Ø 0.55" (14 mm) air hose                                            |
|  | <b>101.031</b> Ø 0.55" (14 mm) hose clip for air hose                              |

## WELDING PEN: Slim and flexible

The WELDING PEN is a hot-air hand tool optimized for draw welding. Due to its slim design and swiveling external air supply, the Welding Pen makes hard work easy.



WELDING PEN R, combined with angle adapters, make welding possible even in very tight spaces.

External air hand tool

### WELDING PEN R / WELDING PEN S



- Digital temperature display (WELDING PEN R)
- Connection makes working easier
- Cooled heating element tube
- Used in combination with ROBUST blower, AIRSTREAM ST or compressed air

### Accessories WELDING PEN R / S

|                                                                                      |                                                                                                                                                                         |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <b>105.622</b> Ø 0.2" (5 mm) tubular nozzle, 15° screw-on                                                                                                               |
|     | <b>106.988</b> Tacking nozzle, screw-on                                                                                                                                 |
|    | <b>113.666</b> Ø 0.12" (3 mm) round drawing nozzle with tacking tip, screw-on<br><b>113.399</b> Ø 0.16" (4 mm) round drawing nozzle, with tacking tip, screw-on         |
|     | <b>113.876</b> Ø 0.12" (3 mm) round drawing nozzle without tacking tip, screw-on<br><b>113.874</b> Ø 0.16" (4 mm) round drawing nozzle, without tacking tip, screw-on   |
|   | <b>113.670</b> Triangular drawing nozzle with tacking tip, screw-on, 0.22" (5.7 mm) profile A<br><b>113.877</b> without tacking tip, screw-on 0.22" (5.7 mm), profile A |
|  | <b>106.986</b> without tacking tip, screw-on 0.28" (7 mm), profile B<br><b>106.987</b> without tacking tip, screw-on 0.28 x 0.22" (7 x 5.5 mm)                          |
|   | <b>126.552</b> Ø 0.16" (4 mm) drawing nozzle, screw-on for fluor plastics                                                                                               |
|   | Angular adapter for screw-on nozzles, screw-on<br><b>127.726</b> 30°<br><b>127.727</b> 45°                                                                              |
|   | <b>141.375</b> Connection adapter M14 for Ø 0.84" (21.3 mm) nozzle with plug                                                                                            |
|   | <b>113.597</b> 120 V / 600 W heating element for WELDING PEN R and WELDING PEN S                                                                                        |

| Technical data      |                                                               |                                                 |
|---------------------|---------------------------------------------------------------|-------------------------------------------------|
| Voltage             | V~                                                            | 120                                             |
| Power               | W                                                             | 600                                             |
| Temperature         | °F                                                            | 68 – 1112                                       |
| Size (L × Ø)        | inches                                                        | 11 × 2, handle Ø 1                              |
| Weight              | lbs                                                           | 2 (with 10 ft cord / air hose and Y-connection) |
| Conformity mark     | CE                                                            |                                                 |
| Protection class II | □                                                             |                                                 |
| Article No.:        |                                                               |                                                 |
| 114.576             | WELDING PEN R, 120 V / 600 W, with US plug, 2.7 yards hose    |                                                 |
| 113.708             | WELDING PEN S, 120 V / 600 W, with US plug, 2.7 yards hose    |                                                 |
| 145.865             | WELDING PEN S, 120 V / 600 W, 29 ft. 6 in. hose - no plug     |                                                 |
| 114.380             | WELDING PEN R, 230 V / 1000 W, with Euro plug, 2.7 yards hose |                                                 |
| 113.081             | WELDING PEN S, 230 V / 1000 W, with Euro plug, 2.7 yards hose |                                                 |
| 114.926             | WELDING PEN R, 230 V / 1000 W, with Euro plug, 6.6 m hose     |                                                 |
| 114.274             | WELDING PEN S, 230 V / 1000 W, with Euro plug, 6.6 m hose     |                                                 |
| 114.927             | WELDING PEN R, 230 V / 1000 W, with Euro plug, 9.8 m hose     |                                                 |
| 114.273             | WELDING PEN S, 230 V / 1000 W, with Euro plug, 9.8 m hose     |                                                 |

More at the new accessories catalog at

[www.leister.com/accessories](http://www.leister.com/accessories)

Swiveling air hose for easy working.



General accessories

## DIODE PID / S: The powerful pair

There are two options for high-quality work: The closed-loop DIODE PID provides the perfect welding temperature at all times. The DIODE S easily puts you in control with a manual temperature knob.



Convenient wire welding using the powerful and lightweight DIODE PID.

### External air hand tool

## DIODE PID / DIODE S



- Operated with MINOR or ROBUST blower, AIRSTREAM ST or with compressed air
- Digitally-controlled and displayed temperatures (DIODE PID)
- Cooled heating element tube
- Suitable for field applications when used in combination with a MINOR blower

#### Technical data

|                     |        |                                             |
|---------------------|--------|---------------------------------------------|
| Voltage             | V~     | 120                                         |
| Power               | W      | 1600                                        |
| Temperature         | °F     | 68 – 1112                                   |
| Size (L x Ø)        | inches | 10 x 2, handle Ø 1.6                        |
| Weight              | lbs    | 3 lbs<br>(with 10 ft cord / 10 ft air hose) |
| Conformity mark     | CE     |                                             |
| Protection class II | □      |                                             |

#### Article No.:

|         |                                                                   |
|---------|-------------------------------------------------------------------|
| 101.291 | DIODE S, 120 V / 1600 W, for push-fit nozzles, with US plug       |
| 101.292 | DIODE S, 120 V / 1600 W, for screw-on nozzles, with US plug       |
| 101.311 | DIODE PID, 120 V / 1600 W, for push-fit nozzles, with US plug     |
| 101.312 | DIODE PID, 120 V / 1600 W, for screw-on nozzles, with US plug     |
| 101.281 | DIODE S, 230 V / 1600 W, for snap-fit nozzles, with Schuko plug   |
| 101.303 | DIODE PID, 230 V / 1600 W, for snap-fit nozzles, with Schuko plug |

Additional versions available upon request

### Hand tool and blower

## DIODE PID / DIODE S with MINOR



MINOR blower and DIODE PID with screw-on drawing nozzle.

- Ideal for assembly work

#### Technical data

|                     |        |                                            |
|---------------------|--------|--------------------------------------------|
| Voltage             | V~     | 120                                        |
| Power               | W      | 1600                                       |
| Temperature         | °F     | 68 – 1112                                  |
| Size (L x Ø)        | inches | 10 x 2, handle Ø 1.6                       |
| Weight              | lbs    | 6 lbs<br>(with 10 ft cord / 5 ft air hose) |
| Conformity mark     | CE     |                                            |
| Protection class II | □      |                                            |

#### Article No.:

|         |                                                                                         |
|---------|-----------------------------------------------------------------------------------------|
| 101.447 | DIODE S, 120V / 1700 W, for push-fit nozzles, connected to MINOR 5 ft air hose, US plug |
|---------|-----------------------------------------------------------------------------------------|

Additional versions available upon request

### General accessories





The MINOR blower as an air supply for the DIODE PID.

## MINOR: The mobile air supplier

Don't be deceived by the MINOR's small size and low weight. This blower delivers sufficient air to enable quality work with the DIODE PID / DIODE S or LABOR S.

### Accessories DIODE PID / DIODE S

#### With push-fit nozzle

|                                                                                                                      |                                  |                                                                      |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------|
|                                     | <b>100.303</b>                   | Ø 0.2" (5 mm) tubular nozzle, for versions with push-fit nozzles     |
|                                                                                                                      | <b>100.300</b><br><b>100.304</b> | Heater tube for push-fit nozzles<br>Heater tube for screw-on nozzles |
|  |                                  | Speed welding nozzle, push-fit on Ø 0.2" (5 mm) tubular nozzle       |
|                                                                                                                      | <b>106.992</b>                   | 0.22" (5.7 mm), profile A                                            |
|                                                                                                                      | <b>106.993</b>                   | 0.28" (7 mm), profile B                                              |
|                                                                                                                      | <b>106.989</b>                   | 0.12" (3 mm)                                                         |
|                                                                                                                      | <b>106.990</b>                   | 0.16" (4 mm)                                                         |
|                                                                                                                      | <b>106.991</b>                   | 0.2" (5 mm)                                                          |
|  | <b>156.470</b>                   | 0.2" (5 mm) bent                                                     |
|                                                                                                                      | <b>106.996</b>                   | Tacking nozzle, push-fit on Ø 0.2" (5 mm) tubular nozzle             |
|                                    | <b>143.833</b>                   | Nozzle adapter for screw-on nozzles                                  |
|                                   | <b>100.650</b>                   | 120 V / 1600 W heating element for DIODE PID                         |
|                                                                                                                      | <b>100.702</b>                   | 120 V / 1600 W heating element for DIODE S                           |

#### With screw-on nozzle

|                                                                                                                                |                |                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------|
|                                             | <b>105.622</b> | Ø 0.2" (5 mm) tubular nozzle, screw-on                                |
|                                                                                                                                | <b>106.988</b> | Tacking nozzle, screw-on                                              |
|                                             | <b>113.666</b> | Ø 0.12" (3 mm) round drawing nozzle with tacking tip, screw-on        |
|                                                                                                                                | <b>113.399</b> | Ø 0.16" (4 mm) round drawing nozzle, with tacking tip, screw-on       |
|                                                                                                                                | <b>113.876</b> | Ø 0.12" (3 mm) round drawing nozzle without tacking tip, screw-on     |
|                                                                                                                                | <b>113.874</b> | Ø 0.16" (4 mm) round drawing nozzle, without tacking tip, screw-on    |
|                             | <b>113.670</b> | Triangular drawing nozzle, with tacking tip, screw-on, 0.22" (5.7 mm) |
|                                                                                                                                | <b>113.877</b> | Without tacking tip, screw-on 0.22" (5.7 mm), profile A               |
|                                                                                                                                | <b>106.986</b> | Without tacking tip, screw-on 0.28" (7 mm), profile B                 |
|                                             | <b>106.987</b> | 0.28 x 0.22" (7 x 5.5 mm)                                             |
|                                                                                                                                | <b>126.552</b> | 0.16" (4 mm) drawing nozzle, screw-on, for fluor plastics             |
|  | <b>141.375</b> | Connection adapter M14 for Ø 0.84" (21.3 mm) nozzle with plug         |

#### Blower

### MINOR



- Lightweight and compact
- Powerful
- Serves as a mobile air supply for the DIODE PID / DIODE S and LABOR S
- Suitable for work on construction sites

#### Technical data

|                       |        |                       |
|-----------------------|--------|-----------------------|
| Voltage               | V~     | 120                   |
| Power                 | W      | 100                   |
| Air volume (68°F)     | cfm    | 14.1                  |
| Pressure static       | psi    | 0.58                  |
| Air outlet (external) | inches | 0.6 (15 mm)           |
| Size (L x Ø)          | inches | 9 x 4, handle Ø 2.5   |
| Weight                | lbs    | 2.5 (with 10 ft cord) |
| Conformity mark       | CE     |                       |
| Protection class II   | □      |                       |

#### Article No.:

108.749 MINOR, 120 V / 100 W, with US plug

Additional versions available upon request

More at the new accessories catalog at

[www.leister.com/accessories](http://www.leister.com/accessories)

# LABOR S: Small and handy

Developed for laboratory use but also eminently suitable for small welding tasks where access is difficult.



LABOR S, used in combination with MINOR as an external air supply.

## External Air Hand Tool

### LABOR S



- Temperature adjustment via rotary knob
- Very small and handy device
- Ideal for draw welding and tacking
- Air supply with ROBUST blower, AIRSTREAM ST, MINOR (p. 33) or with compressed air
- Ideal for mobile use when coupled with MINOR blower

#### Technical data

|                     |        |                                          |
|---------------------|--------|------------------------------------------|
| Voltage             | V~     | 120                                      |
| Power               | W      | 600 / 700                                |
| Temperature         | °F     | 68 – 1112                                |
| Size (L x Ø)        | inches | 7 x 2, handle Ø 1.3                      |
| Weight              | lbs    | 0.33 (without air hose and without cord) |
| Conformity mark     | CE     |                                          |
| Approval mark       | UL     |                                          |
| Protection class II | □      |                                          |

#### Article No.:

|         |                                                                      |
|---------|----------------------------------------------------------------------|
| 101.721 | LABOR S w/junction box, 120 V / 600 W w/US plug, 10 ft PVC hose      |
| 101.740 | LABOR S w/junction box, 120 V / 600 W, w/US plug, 10 ft silicon hose |

Additional versions available upon request

## Accessories LABOR S

|  |                                                                                      |
|--|--------------------------------------------------------------------------------------|
|  | <b>107.144</b> Ø 0.2" (5 mm) tubular nozzle, push-fit                                |
|  | <b>106.992</b> 0.22" (5.7 mm), profile A                                             |
|  | <b>106.993</b> 0.28" (7 mm), profile B                                               |
|  | <b>106.989</b> 0.12" (3 mm)                                                          |
|  | <b>106.990</b> 0.16" (4 mm)                                                          |
|  | <b>106.991</b> 0.2" (5 mm)                                                           |
|  | <b>156.470</b> 0.2" (5 mm) bent                                                      |
|  | <b>106.996</b> Tacking nozzle, push-fit on Ø 0.2" (5 mm) tubular nozzle              |
|  | <b>143.831</b> Nozzle adapter for screw-on nozzles                                   |
|  | <b>107.146</b> Ø 0.08" (2 mm) soldering nozzle                                       |
|  | <b>107.151</b> Ø 0.16" (4 mm) soldering nozzle                                       |
|  | <b>107.148</b> Ø 0.12 x 0.06" soldering nozzle, oval                                 |
|  | <b>105.622</b> Ø 0.2" (4 mm) tubular nozzle, screw-on                                |
|  | <b>106.988</b> Tacking nozzle, screw-on                                              |
|  | <b>113.666</b> Ø 0.12" (3 mm) round drawing nozzle with tacking tip, screw-on        |
|  | <b>113.399</b> Ø 0.16" (4 mm) round drawing nozzle, with tacking tip, screw-on       |
|  | <b>113.876</b> Ø 0.12" (3 mm) round drawing nozzle without tacking tip, screw-on     |
|  | <b>113.874</b> Ø 0.16" (4 mm) round drawing nozzle, without tacking tip, screw-on    |
|  | <b>113.670</b> Triangular drawing nozzle, with tacking tip, screw-on, 0.22" (5.7 mm) |
|  | <b>113.877</b> Without tacking tip, screw-on 0.22" (5.7 mm), profile A               |
|  | <b>106.986</b> Without tacking tip, screw-on 0.28" (7 mm), profile B                 |
|  | <b>106.987</b> 0.28" x 0.22" (7 x 5.7 mm)                                            |
|  | <b>126.552</b> 0.16" (4 mm) drawing nozzle, screw-on, for fluoroplastics             |
|  | <b>101.643</b> 120 V / 600 W heating element                                         |

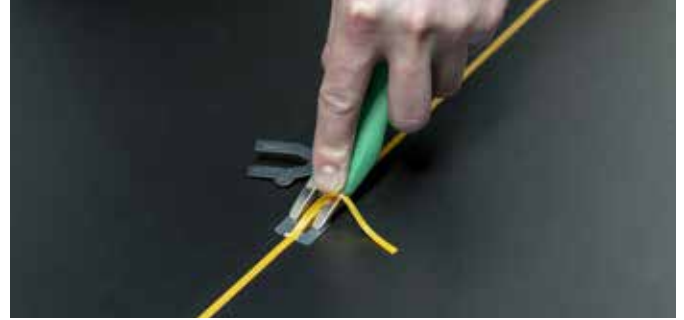
More at the new accessories catalog at

[www.leister.com/accessories](http://www.leister.com/accessories)

General accessories



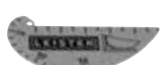




Simple reworking of welding seams with the Leister trimming knife.

## Hot-air hand tools

### General accessories

|                                                                                     |                                                                                                                  |                                                                                      |                                                                                             |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|    | <b>106.974</b> 3" (80 mm) silicone pressure roller                                                               |     | <b>160.015</b> Cable extension cord 16 yards (15 m), with CEE 400V plug                     |
|    | <b>140.160</b> 1.6" (40 mm) silicone pressure roller with ball bearings (silicone)                               |    | <b>159.239</b> Cable extension cord 16 yards 15 m, with EU plug 230V                        |
|    | <b>140.599</b> Spare roll for 140.160                                                                            |    | <b>106.997</b> Ø 0.23" (6 mm) rotary burr for drilling machine, for car repairs             |
|   | <b>140.161</b> 1.1" (28 mm) silicone pressure roller with ball bearings (silicone)                               |   | <b>116.798</b> Brass brush                                                                  |
|  | <b>140.598</b> Spare roll for 140.161                                                                            |  | <b>142.647</b> Brass brush Ø 0.12" (3 mm)                                                   |
|  | <b>106.976</b> 1.1" (28 mm) PTFE pressure roller                                                                 |  | <b>107.348</b> Tool rest for TRIAC AT, TRIAC ST, ELECTRON ST, HOT JET S, LABOR S            |
|  | <b>106.972</b> Brass pressure roller with ball bearings                                                          |  | <b>137.855</b> Leister cutter with five spare blades                                        |
|  | <b>117.000</b> Trimming knife with 0.02 inches spacer for vinyl and linoleum with 5 spare blades included        |  | <b>138.902</b> Hooked blade for LEISTER-cutter (10 dispensers with 10 pcs=100 pcs)          |
|  | <b>117.005</b> 5 spare blades                                                                                    |  | <b>138.539</b> Straight-edge blade for LEISTER-cutter (10 dispensers with 10 pcs = 100 pcs) |
|  | <b>117.007</b> 1 universal spacer 0.02 inches                                                                    |  | <b>151.382</b> Inside corner tool                                                           |
|  | <b>138.314</b> Seam probe tester for overlap seams                                                               |  | <b>153.009</b> Plastfix                                                                     |
|  | <b>151.188</b> Chamfer planer for T-joints for sealing sheets                                                    |  | <b>154.259</b> Scraper blade                                                                |
|  | <b>152.676</b> Weld seam template                                                                                |  | <b>154.026</b> Contour scraper                                                              |
|  | <b>157.544</b> Leister Universal scissors 10.2 inches with special shaft grinding                                |  | <b>116.586</b> Storage case for TRIAC AT, TRIAC ST, ELECTRON ST                             |
|  | <b>160.353</b> Cable cord roller 27.3 yards (25 m), with 1 x CEE 400 V and 2 x EU socket 230 V                   |                                                                                      |                                                                                             |
|                                                                                     | <b>161.152</b> Cable cord roller 27.3 yards (25m), with 1 x CEE 400 V and 2 x T23 CH socket 230 V                |                                                                                      |                                                                                             |
|                                                                                     | <b>161.207</b> Cable cord roller 27.3 yards (25m), with 1 x CEE 400 V and 2 x Typ E with ground pin socket 230 V |                                                                                      |                                                                                             |
|                                                                                     | <b>164.048</b> Cable cord roller 45 m, 4 x 230 V, EU socket                                                      |                                                                                      |                                                                                             |

More at the new accessories catalog at

[www.leister.com/accessories](http://www.leister.com/accessories)





## Welding rods

| Article                                         | Profile | Colour | lbs |
|-------------------------------------------------|---------|--------|-----|
| <b>Welding accessories PE</b>                   |         |        |     |
| <b>104.283</b> HDPE welding rod                 | A       | Black  | 6.6 |
| <b>104.294</b> HDPE welding rod                 | A       | White  | 6.6 |
| <b>104.284</b> HDPE welding rod                 | B       | Black  | 11  |
| <b>104.299</b> HDPE welding rod                 | B       | White  | 11  |
| <b>106.650</b> HDPE welding band                | C       | White  | 2.2 |
| <b>104.300</b> LDPE welding rod                 | A       | Black  | 6.6 |
| <b>161.612</b> HDPE welding rod                 | D       | Black  | 4.4 |
| <b>116.918</b> HDPE welding rod                 | D       | White  | 4.4 |
| <b>Welding accessories PP</b>                   |         |        |     |
| <b>104.287</b> PP welding rod                   | A       | White  | 6.6 |
| <b>104.301</b> PP welding rod                   | A       | Black  | 6.6 |
| <b>106.642</b> PPs welding rod, flame resistant | A       | White  | 6.6 |
| <b>104.288</b> PP welding rod                   | B       | White  | 11  |
| <b>126.356</b> PP welding band                  | C       | White  | 4.4 |
| <b>161.611</b> PP welding rod                   | D       | White  | 4.4 |
| <b>Welding accessories PVC</b>                  |         |        |     |
| <b>104.296</b> PVC-U welding rod                | A       | White  | 6.6 |
| <b>104.278</b> PVC-U welding rod                | A       | Grey   | 6.6 |
| <b>106.641</b> PVC-U welding rod                | A       | Black  | 6.6 |
| <b>104.280</b> PVC-U welding rod                | B       | Black  | 11  |
| <b>104.279</b> PVC-U welding rod                | B       | Grey   | 11  |
| <b>109.925</b> PVC-U welding rod                | D       | Grey   | 8.8 |
| <b>104.302</b> PVC-P welding rod (soft)         | A       | White  | 6.6 |
| <b>Welding accessories ABS</b>                  |         |        |     |
| <b>104.295</b> ABS welding rod                  | A       | White  | 6.6 |
| <b>113.587</b> ABS welding rod                  | A       | Black  | 6.6 |
| <b>107.027</b> ABS welding band                 | C       | White  | 2.2 |

## Profile sizes

| Profile A | Profile B | Profile C | Profile D |
|-----------|-----------|-----------|-----------|
|           |           |           |           |

Dimensions in inches

| Article                                             | Profile                                                                                                                                                                                                            | Colour | lbs |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|
| <b>Welding accessories div.</b>                     |                                                                                                                                                                                                                    |        |     |
| <b>104.297</b> PA welding rod                       | A                                                                                                                                                                                                                  | Black  | 6.6 |
| <b>104.298</b> PC welding rod                       | A                                                                                                                                                                                                                  | White  | 6.6 |
| <b>104.313</b> PC welding rod / ABS / ALPHA (Honda) | A                                                                                                                                                                                                                  | Black  | 6.6 |
| <b>104.308</b> PUR welding rod                      | A                                                                                                                                                                                                                  | Black  | 6.6 |
| <b>106.654</b> Xenoy welding band                   | C                                                                                                                                                                                                                  | Grey   | 4.4 |
| <b>104.304</b> PVDF welding rod                     | A                                                                                                                                                                                                                  | White  | 6.6 |
| <b>104.303</b> POM welding rod                      | A                                                                                                                                                                                                                  | White  | 6.6 |
| <b>112.185</b> PC/PBTP Xenoy welding rod            | A                                                                                                                                                                                                                  | White  | 6.6 |
| <b>Test bundles</b>                                 |                                                                                                                                                                                                                    |        |     |
| <b>107.036</b>                                      | Test bundle bodywork welding rods, each consisting of profile A pieces of 14.6" single marked<br>6× HDPE, 6× PP, 6× PA, 6× PC, 6× ABS, 6× PCABS / ALPHA Honda, 6× PC / PBTP / Xenoy<br>                            |        |     |
| <b>107.037</b>                                      | Test bundles standard each consisting of profile A pieces of 14.6" single marked<br>5× PVC-U, 5× PVC-P, 5× PP, 5× ABS, 5× HDPE, 3× PC, 3× PA, 3× POM, 3× LDPE, 3× PC / ABS / ALPHA Honda, 3× PC / PBTP / Xenoy<br> |        |     |
| <b>107.040</b>                                      | Test bundle welding band each consisting of profile C pieces of 14.6" single marked<br>9× HDPE, 8× 0.08" white, 9× PP, 8× 0.08" natural, 9× ABS, 8× 0.08" white, 9× PC / PBTP / Xenoy grey<br>                     |        |     |





Aldi logistics center, 50,000m² TPO Membrane, Switzerland



Exploration Place First, Wichita, USA



Schöni transport Centre, Switzerland



### Roofing

|                                |         |
|--------------------------------|---------|
| Roofing welders overview       | 40      |
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| BITUMAT B2                     | 48      |
| EXAMO USB / Testing instrument | 49      |

### Hot Air Tools for Roofing

|                     |         |
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| TRIAC ST            | 12 – 15 |
| TRIAC AT            | 13 – 15 |
| ELECTRON ST         | 16 / 17 |
| HOT JET S           | 18 / 19 |
| General accessories | 36 / 37 |



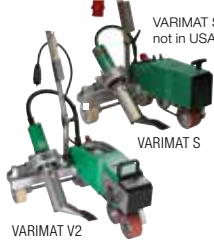


Simple operation in combination with high welding performance.



Flameless welding of modified bitumen with the BITUMAT B2.

## Overview Roofing Welders

|                                                                                                |                                               |                                                                                                                                       |  VARIMAT S<br>not in USA<br>VARIMAT S                                                                                                               |      |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Materials</b>                                                                               | <b>Thermoplastic Single-Ply Membranes</b>                                                                                      |                                                                                                                                                                                                                        |                                                                                                                                                                                                                                        | <b>Modified Bitumen</b>                                                                 |
| <b>Type of welding machine</b>                                                                 | <b>UNIDRIVE 500</b>                                                                                                            | <b>UNIROOF 700/300</b>                                                                                                                                                                                                 | <b>VARIMAT V2</b>                                                                                                                                                                                                                      | <b>BITUMAT B2</b>                                                                       |
| <b>Main application</b>                                                                        | Parapets, tight spaces, pitched roofs                                                                                          | Parapets, edges, and small-scale commercial or residential projects < 600 yd <sup>2</sup>                                                                                                                              | Overlap welding in commercial and industrial projects > 600 yd <sup>2</sup>                                                                                                                                                            | First bitumen layer                                                                     |
| <b>Roof construction</b>                                                                       |                                                                                                                                |                                                                                                                                                                                                                        |                                                                                                                                                                                                                                        |                                                                                         |
| Flat roof                                                                                      | ✓✓✓                                                                                                                            | ✓✓✓                                                                                                                                                                                                                    | ✓✓✓                                                                                                                                                                                                                                    | ✓✓✓                                                                                     |
| Sloped roof                                                                                    | ✓✓✓                                                                                                                            | ✓✓                                                                                                                                                                                                                     | ✓                                                                                                                                                                                                                                      | ✓                                                                                       |
| Basic weld seams                                                                               | ✓                                                                                                                              | ✓✓                                                                                                                                                                                                                     | ✓✓✓                                                                                                                                                                                                                                    | ✓✓✓                                                                                     |
| Detail work                                                                                    | ✓✓✓                                                                                                                            | ✓✓✓                                                                                                                                                                                                                    | ✓                                                                                                                                                                                                                                      | ✓                                                                                       |
| <b>Thickness of membrane</b>                                                                   | up to 0.07 inches                                                                                                              | up to 0.07 inches                                                                                                                                                                                                      | up to 0.08 inches                                                                                                                                                                                                                      | up to 0.24 inches                                                                       |
| <b>Special features</b>                                                                        | Welding on both sides with rotating nozzle                                                                                     | Ideal for roof edge welding                                                                                                                                                                                            | Double welding performance against competitors                                                                                                                                                                                         | Flameless welding                                                                       |
| <b>Parapet spacing in inches</b>                                                               | 1.8                                                                                                                            | 3.9                                                                                                                                                                                                                    | 4.3                                                                                                                                                                                                                                    | 7.9                                                                                     |
| <b>Generator operation</b>                                                                     | 4KW                                                                                                                            | At least 6 kW to supply a hot air hand tool                                                                                                                                                                            | At least 10 kW to supply a hot air hand tool                                                                                                                                                                                           |                                                                                         |
| <b>Electronics</b>                                                                             |                                                                                                                                |                                                                                                                                                                                                                        |                                                                                                                                                                                                                                        |                                                                                         |
| Regulated for drive/heater/blower (closed-loop system)                                         | UNIDRIVE 500                                                                                                                   | UNIROOF 700                                                                                                                                                                                                            | VARIMAT V2                                                                                                                                                                                                                             |                                                                                         |
| <b>Speed ft/min.</b>                                                                           |                                                                                                                                |                                                                                                                                                                                                                        |                                                                                                                                                                                                                                        |                                                                                         |
| Drive speed                                                                                    | 2.3 – 14.8                                                                                                                     | 3 – 33                                                                                                                                                                                                                 | 2.3 – 39                                                                                                                                                                                                                               | 2.7 – 40                                                                                |
| Welding speed (depending on material)                                                          | 3.3 – 8.2                                                                                                                      | 5.2 – 9.8                                                                                                                                                                                                              | 13 – 26                                                                                                                                                                                                                                | 9.8 – 19.6                                                                              |
| Recommended welding start parameter depending type of membrane (tested by room condition 68°F) | PVC membrane:<br>6.6 ft/min, 896 – 968°F, air volume 100%<br><br>TPO/FPO membrane:<br>6.6 ft/min, 788 – 878°F, air volume 100% | <b>UNIROOF 700</b><br>PVC: 8.2 ft/min, 1022°F, air volume 100%<br>TPO: 9.8 ft/min, 896°F, air volume 100%<br><b>UNIROOF 300</b><br>PVC: 6.6 ft/min, 1022°F, air volume 100%<br>TPO: 7.2 ft/min, 896°F, air volume 100% | <b>VARIMAT V 2</b><br>PVC: 13 ft/min, 1022°F, air volume 85%<br>TPO: 16.4 ft/min., 932°F, air volume 100%<br><b>VARIMAT S:</b><br>PVC: Temperature level 8.5–9 (1022°F)<br>TPO: No trailing roller, can only be used to limited degree | nozzle till 3.9 inches<br><br>Modified Bitumen:<br>16.4 ft/min, 1202°F, air volume 100% |
| <b>Weight in lbs</b>                                                                           | 9.9                                                                                                                            | 37.5                                                                                                                                                                                                                   | 77                                                                                                                                                                                                                                     | 88                                                                                      |
| <b>Blower technology</b>                                                                       | Brushless                                                                                                                      | Brushless / Brush motor                                                                                                                                                                                                | Brushless                                                                                                                                                                                                                              | Brush motor                                                                             |
| <b>Catalog page</b>                                                                            |  41 / 42                                    | 43 - 45                                                                                                                                                                                                                | 46 / 47                                                                                                                                                                                                                                | 48                                                                                      |

✓✓✓ = Highly suitable, ✓✓ = Suitable, ✓ = Limited suitability

## Reliable and cost-effective – everywhere – UNIDRIVE 500

The compact UNIDRIVE 500 semi-automatic hot-air welder impresses with its many advantages. Guided by two ergonomic handles, you can achieve the ideal pressure to ensure high-quality welding results. Change welding direction with ease via a rotating nozzle and reversible drive. The UNIDRIVE 500 is ideal for all roof applications, even in tight spaces, and welds two to three times faster than manual welding. Lap welding with the UNIDRIVE 500 – reliable and cost-effective – everywhere.

Semi-automatic hot-air welder

### UNIDRIVE 500

1



**Reliable:**

Ergonomic handle for balanced pressure during manual welding

2



**Safe:**

Constant parameters and reliable quality – even with undervoltage

3



**Flexible:** Stainless steel nozzle for all welding application

4



**Customized:** Reversible drive allows for welding in either direction





Whether on or at the roof parapet or welding domed skylights, connections, or small terraces – the UNIDRIVE 500 shows its worth when space is tight.

## Semi-automatic hot-air welder

### UNIDRIVE 500



- **Safe:** Constant parameters and reliable quality – even with undervoltage
- **Fast:** Up to three times faster than manual welding
- **Customized:** Reversible drive allows for welding in either direction
- **Practical:** Compact and lightweight semi-automatic hot-air welder: 9.9 lbs, 11.8 cm high
- **Economical:** Maintenance-free, brushless motors

| Technical data     |                      | UNIDRIVE 500<br>100 V | UNIDRIVE 500<br>100 – 120 V | UNIDRIVE 500<br>220 – 240 V |
|--------------------|----------------------|-----------------------|-----------------------------|-----------------------------|
| Voltage            | V~                   | 100                   | 120                         | 230                         |
| Power              | W                    | 1500                  | 1800                        | 2300                        |
| Temperature        | °F                   | 220 – 1040            |                             |                             |
| Air volume         | %                    | 45 – 100              |                             |                             |
| Speed              | ft/min               | 2.3 – 14.8            |                             |                             |
| Emission           | L <sub>pA</sub> (dB) | 70 (K = 3 dB)         |                             |                             |
| Size (L × H × B)   | inches               | 11.7 × 6.8 × 10.8     |                             |                             |
| Weight             | lbs                  | 9.9                   |                             |                             |
| Conformity mark    |                      | CE                    |                             |                             |
| Protection class I |                      | ⊕                     |                             |                             |

#### Article No.:

163.144 UNIDRIVE 500, 1.6 inches, 220 – 240 V/2300 W, EU plug, Silicone rollers

163.147 UNIDRIVE 500, 1.6 inches, 100 – 120 V/1800 W, US plug, Silicone rollers

Additional versions available upon request

Included with purchase: Welding machine, device case, hex key, quick guide

## Accessories UNIDRIVE 500

|  |                |                                   |
|--|----------------|-----------------------------------|
|  | <b>164.586</b> | Overlap welding nozzle            |
|  | <b>164.576</b> | 0.6 inches                        |
|  | <b>164.403</b> | 1.2 inches                        |
|  | <b>163.930</b> | Pressure roller, steel 0.6 inches |
|  | <b>163.357</b> | Pressure roller, steel 1.6 inches |
|  | <b>162.551</b> | Support wheel, silicone           |
|  | <b>161.156</b> | Silicone rubber roller            |
|  | <b>159.911</b> | Wheel for silicon rubber roller   |
|  | <b>151.847</b> | Brass brush                       |
|  | <b>164.605</b> | Storage case UNIDRIVE 500         |
|  | <b>156.531</b> | Carrying strap for Leister case   |
|  | <b>145.582</b> | Heating elements 230 V / 2200 W   |
|  | <b>165.176</b> | Heating elements 120 V / 2100 W   |
|  | <b>165.179</b> | Heating elements 100 V / 1600 W   |
|  | <b>169.780</b> | Support roll                      |
|  | <b>170.120</b> | Inseam scraping nozzle, 40 mm     |



# UNIROOF 700

Thanks to LQS, Monitored Welding Assistant and Leister's standard nozzle, the UNIROOF 700 automatic roof welding machine is well-suited for welding flat roofs and sets a new standard in the roof industry.



Hot-air welder

## UNIROOF 700



**Quality assurance through LQS**  
The LQS Roofing data report can be used for a small fee via the myLeister app. Thus, the welding parameters (speed, air volume and temperature) are under control and documented.



**Monitored Welding**  
The Monitored Welding Assistant on the UNIROOF 700 monitors the welding process and warns users if they leave the welding area.



**Welding recipes in the myLeister app**  
The myLeister app provides an overview of saved welding recipes. Prefabricated welding profiles for TPO, PVC, EVA, PIB are already entered.

| Technical Data     |        |                    |
|--------------------|--------|--------------------|
| Voltage            | V~     | 100 – 230          |
| Power              | W      | 1500 – 3680        |
| Temperature        | °F     | 212 – 1148         |
| Frequency          | Hz     | 50 / 60            |
| Weight             | lbs    | 37.47              |
| Speed              | ft/min | 3.28 – 32.81       |
| Air volume 68°F    | cfm    | 1.58 – 3.53        |
| Size L x W x H     | inches | 18.7 x 9.6 x 10.23 |
| Conformity marking | CE     |                    |
| Protection class I | ⏏      |                    |

**Article No.:**  
165.834 UNIROOF 700, 230V/3680W, 1.57 in, EU plug  
165.835 UNIROOF 700, 120V/1800W, 1.57 in, US plug  
165.836 UNIROOF 700, 230V/3680W, 1.57 in, without plug  
165.837 UNIROOF 700, 100V/1500W, 1.57 in, JP plug  
169.235 UNIROOF 700, 230V/3680W, 1.57 in, Industrial plug  
169.236 UNIROOF 700, 230V/3680W, 1.57 in, KR plug  
169.237 UNIROOF 700, 120V/1800W, 1.57 in, UK plug  
170.210 UNIROOF 700, 230V/3680W, 3.15 in, EU plug  
Included with purchase: Welding plate, Hand brush, stainless steel, Allen wrench 4 mm



# UNIROOF 300

The compact UNIROOF 300 automatic welding machine is ideally suited for welding medium to large, flat roofs and is ideal as an entry-level machine due to its simple operation.



## Hot-air welder

### UNIROOF 300

1



#### Regulated welding parameters

With closed-loop technology, important welding parameters like speed, temperature and air volume are controlled on the UNIROOF 300 and are easy to set, thanks to the digital display.

2



#### Standard nozzle for optimum weld seam width

Thanks to its 40 mm wide standard nozzle, Leister's UNIROOF 300 achieves a homogeneous weld seam up to 40 mm wide. Inserting the nozzle into the overlap is easy.

3



#### Handling made easy

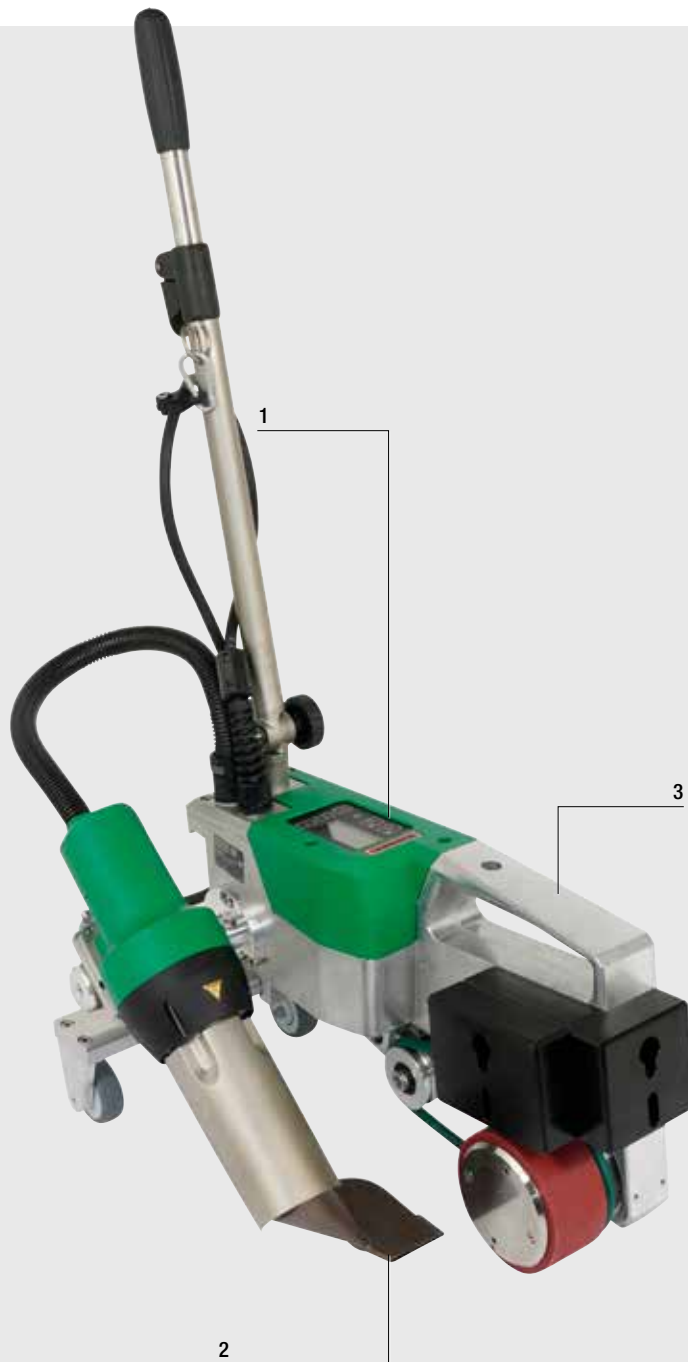
The UNIROOF 300 from Leister is easy to roll and easy to carry thanks to its adjustable guide wheels and practical carrying handle.

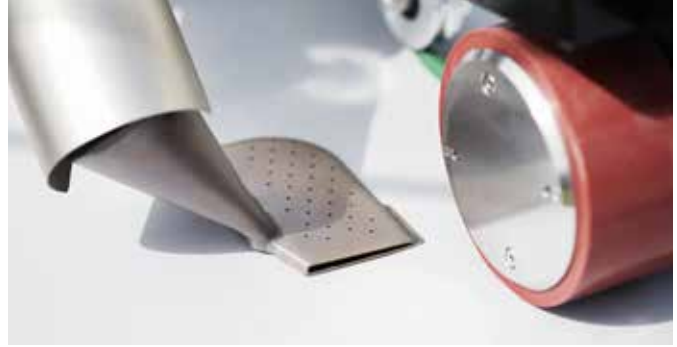
#### Technical Data

|                    |        |                    |
|--------------------|--------|--------------------|
| Voltage            | V~     | 100 – 230          |
| Power              | W      | 1500 – 3450        |
| Temperature        | °F     | 212 – 1112         |
| Frequency          | Hz     | 50 / 60            |
| Weight             | lbs    | 37.47              |
| Speed              | ft/min | 3.28 – 32.81       |
| Air volume 68°F    | cfm    | 1.58 – 3.53        |
| Size L × W × H     | inches | 18.7 × 9.6 × 10.23 |
| Conformity marking | CE     |                    |
| Protection class I | ⊕      |                    |

#### Article No.:

168.634 UNIROOF 300, 230V/3450W, 1.57 in, EU plug  
 168.635 UNIROOF 300, 120V/1800W, 1.57 in, US plug  
 168.636 UNIROOF 300, 100V/1500W, 1.57 in, JP plug  
 168.637 UNIROOF 300, 230V/3450W, 1.57 in, Industrial plug  
 168.638 UNIROOF 300, 230V/3450W, 1.18 in, EU plug  
 168.639 UNIROOF 300, 230V/3450W, 1.57 in, without plug  
 Included with purchase: Welding plate, Hand brush, stainless steel, Allen wrench 4 mm





## Accessories UNIROOF 700/300

|  |                                                                                                  |
|--|--------------------------------------------------------------------------------------------------|
|  | <b>173.295</b> Rib profile kit, for UNIROOF AT/ST<br><b>this item is now available in the US</b> |
|  | <b>170.119</b> Inseam scraping nozzle, 40mm, UNIROOF                                             |
|  | <b>152.742</b> Additional weight, front 3.3 lbs                                                  |
|  | <b>152.741</b> Additional weight, lateral 4.4 lbs                                                |
|  | <b>167.345</b> Nozzle adjustment gauge UNIROOF 700/300                                           |
|  | <b>132.429</b> Welding plate                                                                     |
|  | <b>138.817</b> Steelbrush to clean nozzle                                                        |
|  | <b>154.522</b> Transportation axle 11.8 inches                                                   |
|  | <b>152.706</b> Transportation axle 8.7 inches for radius welding                                 |
|  | <b>154.827</b> Storage case UNIROOF                                                              |
|  | <b>155.577</b> Locking plate for additional weights                                              |
|  | <b>137.843</b> T-shaped guide bar                                                                |

|  |                                                |
|--|------------------------------------------------|
|  | <b>108.129</b> T-shaped guide bar, upper part  |
|  | <b>155.473</b> Heating element 230 V / 3300 W  |
|  | <b>145.604</b> Heating element 120 V / 2300 W* |
|  | <b>163.951</b> Heating element 100 V / 2000 W  |
|  | <b>169.791</b> Heating element 230 V / 4400 W  |
|  | <b>155.326</b> Overlap welding nozzle 30 mm    |

## VARIMAT V2: Fast and dependable

Using the VARIMAT V2, polymer roofing membranes can be welded more rapidly resulting in lower cost. Users appreciate its streamlined ergonomics and its ease of use. The clearly laid out operating unit's "e-Drive" allows for the control of all relevant weld parameters.



Achieve consistent, reproducible welding results with the VARIMAT V2.

Hot-air welder

### VARIMAT V2



- Patented spherical roller compensates for uneven substrates
- Guide bar for ergonomic handling
- Maintenance-free blower means lower service costs
- User-friendly display with "e-Drive" (press and turn control) to recall presets and saved weld settings
- Constant drive with regulated electronics
- Process reliability: Auto shut-off if excessive undervoltage is detected

#### Technical data

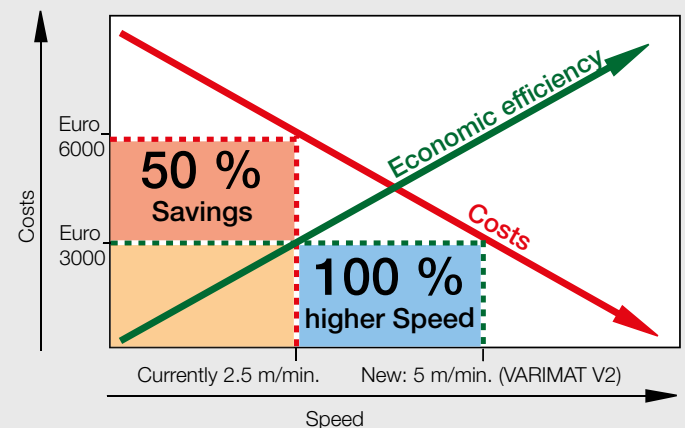
|                         |        |              |
|-------------------------|--------|--------------|
| Voltage                 | V~     | 230          |
| Power                   | W      | 4600         |
| Temperature             | °F     | 212 – 1148   |
| Drive speed, stepless   | ft/min | 2.3 – 39     |
| Air flow range          | %      | 50 – 100     |
| Width of welding nozzle | inches | 1.6          |
| Size (L x W x H)        | inches | 25 x 17 x 13 |
| Weight                  | lbs    | 77           |
| Conformity mark         | CE     |              |
| Protection class I      | ⊕      |              |

#### Article No.:

138.982 VARIMAT V2, 230 V / 4600 W, without plug, storage case

Additional versions available upon request.

|   |                                                                                      |                                                                                                                                                                                  |
|---|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 |    | <b>Ergonomic:</b> Height and angle of guide-bar easily can be adjusted                                                                                                           |
| 2 |    | <b>Maintenance-free:</b> High performance and brushless blower motor, no brushes to change                                                                                       |
| 3 |    | <b>Intuitive:</b> Protected design. Easy-to-view display with "e-drive" and easy-to-store weld settings                                                                          |
| 4 |  | <b>Weld seam control:</b> The green air dam belt keeps the hot air in the weld seam.<br><b>High speed:</b> New welding nozzle with protected design for reliable welding quality |
| 5 |  | <b>More stability:</b> The patented pressure roller smoothes out any unevenness                                                                                                  |







Proven performance and reliability.



Superior weld quality, enhanced by the patented pressure roller.

## Accessories VARIMAT V2

|                                                                                     |                                                                                               |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|    | <b>113.995</b> 1.2" (30 mm) grip-nozzle for TPO / FPO single plies                            |
|    | <b>113.600</b> 1.6" (40 mm) grip-nozzle for TPO / FPO single plies                            |
|    | <b>138.460</b> 1.6" (40 mm) Speed overlap welding nozzle                                      |
|    | <b>107.067</b> Additional weight for even more pressure                                       |
|                                                                                     | <b>107.065</b> Termination weight, complete                                                   |
|  | <b>139.048</b> Sturdy green plywood storage case 28 x 18.5 x 18 inches included with purchase |
|  | <b>107.649</b> Replacement wheels                                                             |
|  | <b>132.429</b> Welding plate for optimum welding start included with purchase                 |
|  | <b>138.817</b> Steel brush to clean nozzle Included with purchase                             |
|  | <b>100.985</b> Replacement silicone rubber roller ø 62/82 x 51 50 +/- 5 Shore                 |
|  | <b>143.162</b> Gentle pressure roller for difficult ground conditions                         |
|  | <b>119.111</b> Chuck cone for replacing silicone pressure roller                              |
|  | <b>151.530</b> Mirror welding kit, nozzle right, for special welding applications             |
|  | <b>107.612</b> Heating elements 230 V / 4400 W                                                |

|                                                                                      |                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <b>143.179</b> Complete set with rake nozzle, 1.57 inches and pressure roller, soft, 1.57 inches<br><br>Rake nozzle to solve the problems caused by bubbles forming on hard surfaces. |
|     | <b>116.323</b> Rake nozzle, 1.57 inches                                                                                                                                               |
|    | <b>143.163</b> Pressure roller, soft, 1.57 inches (silicone only)                                                                                                                     |
|  | <b>108.923</b> Welding unit, bitumen-kit 3.15 inches (80 mm), 230 V                                                                                                                   |
|                                                                                      | <b>108.924</b> Welding unit, bitumen-kit 3.94 inches (100 mm), 230 V                                                                                                                  |
|                                                                                      | <b>108.925</b> Welding unit, bitumen-kit 4.72 inches (120 mm), 230 V                                                                                                                  |
|  | <b>108.927</b> Welding unit, bitumen-kit 3.94 inches, 400 V / 6100 W                                                                                                                  |
|                                                                                      | <b>108.928</b> Welding unit, bitumen-kit 4.72 inches, 400 V / 6100 W                                                                                                                  |
|                                                                                      | <b>115.892</b> Welding unit, bitumen-kit 3.15 inches, 400 V / 6100 W                                                                                                                  |
|   | <b>159.408</b> Nozzle positioning gauge VARIMAT V2                                                                                                                                    |

# BITUMAT B2: The flameless

Welding of modified bitumen (SBS, APP) with the flameless BITUMAT B2 is much safer than welding with an open flame. The weld strength is significantly better and the single-step process makes welding more economical.



Easy unit guidance and clean working with the BITUMAT B2.

## Hot-air welder

### BITUMAT B2



- Flameless welding of modified bitumen
- No shrinking of the insulation due to integrated air dam
- Uniform welding results
- High working speed
- Requires only one user to efficiently weld seams (torch welding requires two)

#### Technical data

|                      |        |                    |
|----------------------|--------|--------------------|
| Voltage              | V~     | 230                |
| Power                | W      | 6700               |
| Temperature          | °F     | 68 – 1148          |
| Drive speed          | ft/min | 2.7 – 40           |
| Air flow range       | %      | 85 – 100           |
| Welding nozzle width | inches | 3.0 / 4.0 / 4.7    |
| Size (L x W x H)     | inches | 27.2 x 19.3 x 13.0 |
| Weight               | lbs    | 89 (with cable)    |
| Conformity mark      | CE     |                    |
| Approval mark        | S      |                    |
| Protection class I   | ⊕      |                    |

#### Article No.:

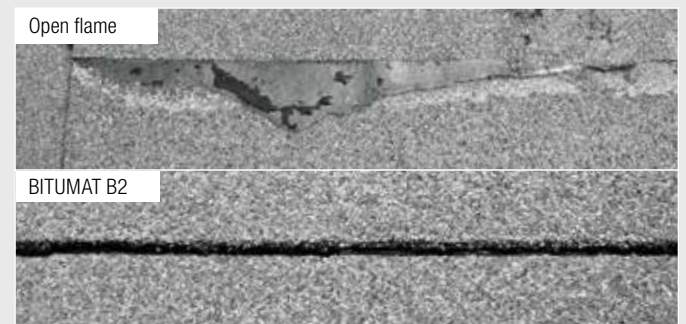
- 140.441 BITUMAT B2, 230V / 6700W, 3" (75 mm), without plug  
 140.439 BITUMAT B2, 230V / 6700W, 4" (100 mm), without plug

Additional versions available upon request.

## Accessories BITUMAT B2

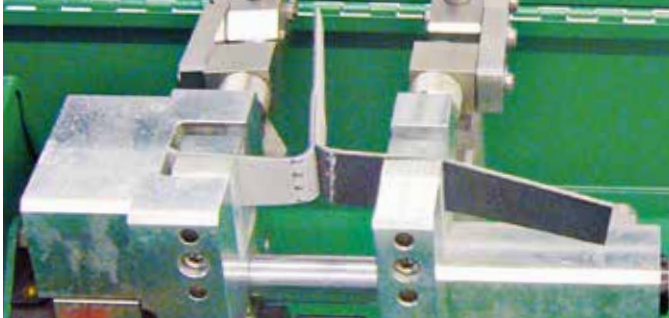
|                                                                                      |                |                                                                   |
|--------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------|
|    | <b>138.048</b> | 3" (75 mm) bitumen nozzle                                         |
|                                                                                      | <b>138.047</b> | 4" (100 mm) bitumen nozzle                                        |
|    | <b>137.895</b> | 4" (100 mm) pressure roller with gap                              |
|                                                                                      | <b>137.896</b> | 3" (75 mm) pressure roller with gap                               |
|                                                                                      | <b>140.229</b> | 4" (100 mm) pressure roller w/out gap                             |
|                                                                                      | <b>140.228</b> | 3" (75 mm) pressure roller w/out gap                              |
|                                                                                      | <b>156.447</b> | 3.1" (80 mm) silicon pressure roller                              |
|   | <b>158.222</b> | 4" (100 mm) silicon pressure roller                               |
|                                                                                      | <b>140.476</b> | Lifting device                                                    |
|  | <b>155.328</b> | BITUMAT B2 4.7 inches (120 mm) bitumen kit                        |
|                                                                                      | <b>140.489</b> | Sturdy storage case, 28 x 18 x 18 inches (included with purchase) |
|  | <b>126.386</b> | Heating elements<br>230 V / 6500 W                                |

Considerably better welding results when compared with open flame tools. No damage to insulating material due to integrated air dam.



# EXAMO: The inspector

Will your seam meet industry standards? Can it withstand the specified peel, tensile and shear forces? EXAMO performs tests at the construction site—quickly, reliably and effortlessly.



Testing a weld seam with the EXAMO USB.

## Tensiometer

### EXAMO 300F USB, 600F USB



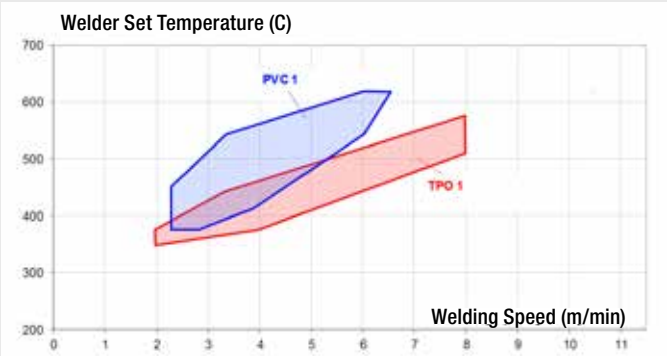
- Construction-site approved
- Handy, robust and reliable
- Testing of elongation, peak force, tear force, test speed and position
- Optional jaws suitable for geo textiles (see accessories)
- Electronic recording of measurement data

| Technical Data     |                                                                     |                               |                               |
|--------------------|---------------------------------------------------------------------|-------------------------------|-------------------------------|
| Type               |                                                                     | 300F USB                      | 600F USB                      |
| Voltage            | V~                                                                  | 230                           | 230                           |
| Power              | W                                                                   | 200                           | 200                           |
| Tensile load       | N                                                                   | 4000                          | 4000                          |
| Jaw spacing        | mm                                                                  | 5 – 300                       | 5 – 600                       |
| Range              | inches                                                              | 11.8                          | 23.6                          |
| Test speed         | inches/min                                                          | 0.8 – 21.6                    | 0.8 – 21.6                    |
| Sample thickness   | mil                                                                 | max. 276                      | max. 276                      |
| Sample width       | inches                                                              | max. 1.6<br>(2.4 optional)    | max. 1.6<br>(2.4 optional)    |
| Size (L x W x H)   | inches                                                              | 29 x 11 x 7<br>(storage case) | 41 x 11 x 7<br>(storage case) |
| Weight             | lbs                                                                 | 30.8                          | 38.6                          |
| Conformity mark    |                                                                     | CE                            | CE                            |
| Protection class I |                                                                     | ⊕                             | ⊕                             |
| Article No.:       |                                                                     |                               |                               |
| 139.063            | EXAMO 600F USB, 120 V / 200 W, incl. USB memory stick, without plug |                               |                               |
| 139.059            | EXAMO 300F USB, 230 V / 200 W, incl. USB memory stick, Euro plug    |                               |                               |

### Accessories EXAMO 300F USB, 600F USB

|  |                                                                                        |
|--|----------------------------------------------------------------------------------------|
|  | <b>134.832</b> Testing and calibration kit to test and calibrate your EXAMO USB        |
|  | <b>108.185</b> Jaw kit 2.36 inches (60 mm) for geotextiles, includes two pairs of jaws |
|  | <b>144.416</b> USB Memory-stick                                                        |

Leister offers a service to create a welding window. It is important to have the correct starting parameters, particularly when working with new or unfamiliar membrane.



Typical welding windows for TPO and PVC



|              |                            |
|--------------|----------------------------|
| Article No.: |                            |
| 153.026      | VACUUM BELL Ø 13" (320 mm) |
| 153.025      | VACUUM PUMP 120V           |
| 153.024      | VACUUM PUMP 230V           |

For testing T-joints









Truck covers



Awnings



Flood protection



### Technical Textiles & Industrial Fabrics

|                                   |              |
|-----------------------------------|--------------|
| Product overview: Hot-air welders | 52 / 53      |
| HEMTEK ST                         | 54 / 55      |
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### Hot-Air Hand Tools

|                     |         |
|---------------------|---------|
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Billboards

## Stationary welding machines

|                                             |            |  |  |  |
|---------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Device type                                 | HEMTEK ST                                                                                   | HEMTEK K-ST                                                                       | SEAMTEK 900 AT                                                                    | SEAMTEK W-900 AT                                                                    |
| Max. voltage V~                             | 120 / 230                                                                                   | 120 / 230                                                                         | 230 / 240                                                                         | 230 / 240                                                                           |
| Max. power W                                | 1800 / 2350 / 3450                                                                          | 1800 / 2350                                                                       | 4500                                                                              | 3900                                                                                |
| Temperature °F                              | 212 – 1202                                                                                  | 212 – 1202                                                                        | 248 – 1292                                                                        | 0 – 1256                                                                            |
| Speed ft/min                                | 2.6 – 39                                                                                    | 2.6 – 39                                                                          | 0.3 – 98                                                                          | 2.6 – 98                                                                            |
| Welding width in inches                     | 0.8 / 1.2 / 1.6                                                                             | 0.3                                                                               | 0.3 – 2.5                                                                         | 0.3 – 2.5                                                                           |
| Size (L × W × H) in inches                  | 17 × 14 × 24                                                                                | 17 × 14 × 24                                                                      | 59 × 28 × 59                                                                      | 67 × 28 × 59                                                                        |
| Weight lbs                                  | 60.0                                                                                        | 60.0                                                                              | 525.0                                                                             | 525.0                                                                               |
| Welding options                             |                                                                                             |                                                                                   |                                                                                   |                                                                                     |
| Overlap welds                               | ✓                                                                                           |                                                                                   | ✓                                                                                 | ✓                                                                                   |
| Hem welds                                   | ✓                                                                                           |                                                                                   | ✓                                                                                 | ✓                                                                                   |
| Hems with rope                              | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   |
| Tape welds                                  | ✓                                                                                           |                                                                                   | ✓                                                                                 | ✓                                                                                   |
| Prayer welds                                |                                                                                             |                                                                                   | ✓                                                                                 | ✓                                                                                   |
| Pole pocket                                 | ✓                                                                                           |                                                                                   | ✓                                                                                 | ✓                                                                                   |
| Butt joint with tape                        |                                                                                             |                                                                                   | ✓                                                                                 | ✓                                                                                   |
| Welding technologies                        |                                                                                             |                                                                                   |                                                                                   |                                                                                     |
| Hot-air welding                             | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 |                                                                                     |
| Hot-wedge welding                           |                                                                                             |                                                                                   |                                                                                   | ✓                                                                                   |
| Features                                    |                                                                                             |                                                                                   |                                                                                   |                                                                                     |
| Temperature regulation                      |                                                                                             |                                                                                   | ✓                                                                                 | ✓                                                                                   |
| Drive regulation                            |                                                                                             |                                                                                   | ✓                                                                                 | ✓                                                                                   |
| Temperature and drive infinitely adjustable | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   |
| Digital display                             |                                                                                             |                                                                                   | ✓                                                                                 | ✓                                                                                   |
| Catalog page                                |  54 / 55 | 56 / 57                                                                           | 58 / 59 / 62                                                                      | 60 - 62                                                                             |



Tents

## Product overview hot-air welders for Technical Textiles & Industrial Fabrics

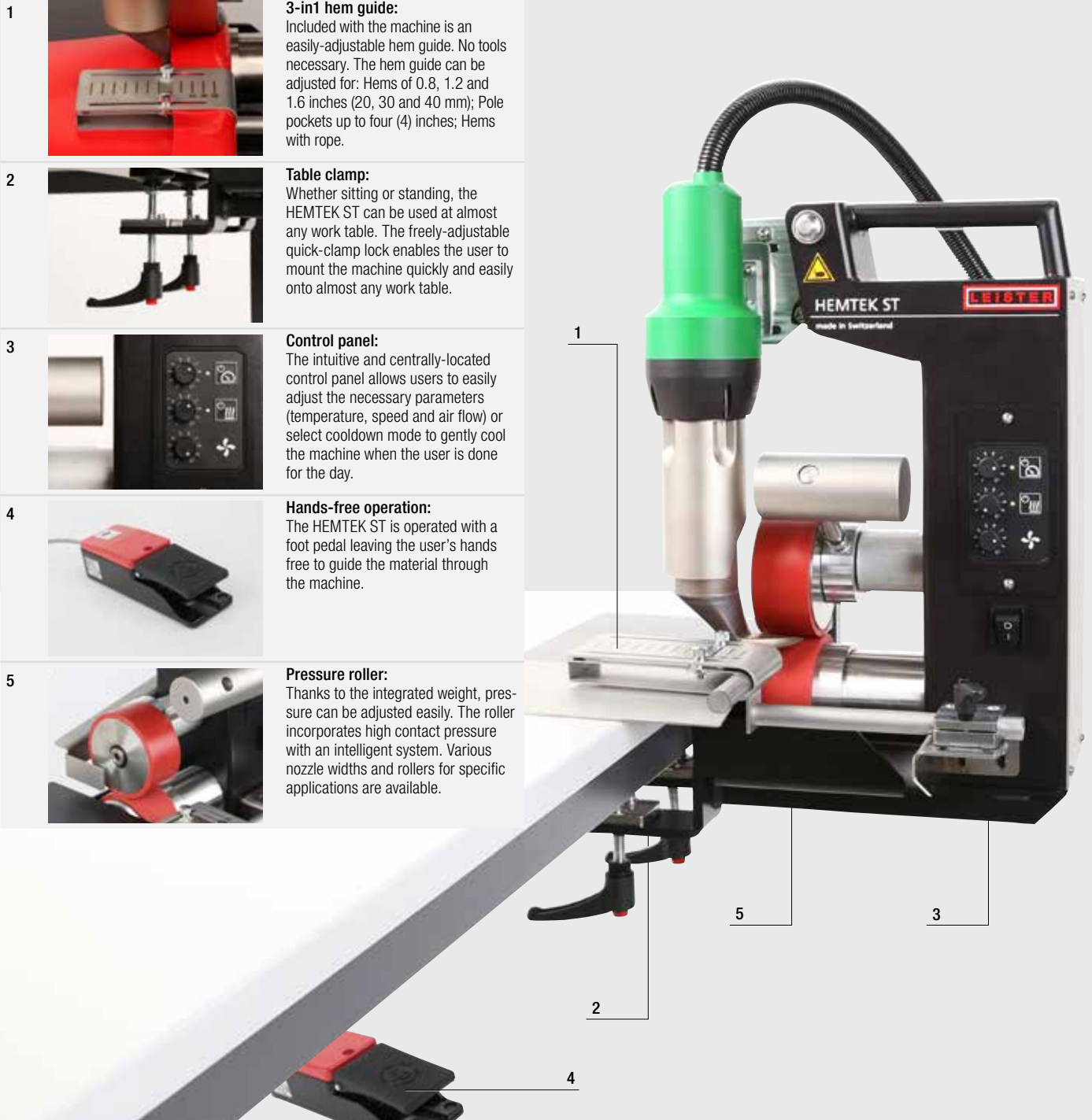
|                                             |            |  |  |  |  |  |  |
|---------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Device type                                 | VARIANT T1 Overlap                                                                          | VARIANT T1 TAPE 2.0"                                                              | VARIANT T1 TAPE 1.0"                                                              | UNIPLAN 300                                                                        | UNIPLAN 500                                                                         | TAPEMAT 2.0"                                                                        | TAPEMAT SPIEGEL 4 / 5"                                                              |
| Max. voltage V~                             | 230 / 400                                                                                   | 230 / 400                                                                         | 230 / 400                                                                         | 120 / 230                                                                          | 120 / 230                                                                           | 3 × 400                                                                             | 3 × 400                                                                             |
| Max. power W                                | 3680 / 5700                                                                                 | 3680 / 5700                                                                       | 3680 / 5700                                                                       | 1800 / 3450                                                                        | 1800 / 3450                                                                         | 10 000                                                                              | 10 000                                                                              |
| Temperature °F                              | 212 – 1148                                                                                  | 212 – 1148                                                                        | 212 – 1148                                                                        | 212 – 1148                                                                         | 212 – 1148                                                                          | 212 – 1200                                                                          | 212 – 1200                                                                          |
| Speed ft/min                                | 5 – 59                                                                                      | 5 – 59                                                                            | 5 – 59                                                                            | 3 – 53                                                                             | 3 – 53                                                                              | 13 – 66                                                                             | 13 – 66                                                                             |
| Welding width in inches                     | 0.8 / 1.6                                                                                   | 2.0                                                                               | 1.0                                                                               | 0.8 / 1.2 / 1.6                                                                    | 0.8 / 1.2 / 1.6                                                                     | 2.0                                                                                 | 2 × 0.8                                                                             |
| Size (L × W × H) in inches                  | 20 × 16 × 8                                                                                 | 28 × 16 × 10                                                                      | 28 × 16 × 10                                                                      | 20 × 12 × 12                                                                       | 20 × 12 × 12                                                                        | 22 × 17 × 15                                                                        | 22 × 17 × 15                                                                        |
| Weight in lbs                               | 50                                                                                          | 62                                                                                | 62                                                                                | 33                                                                                 | 35                                                                                  | 77                                                                                  | 88                                                                                  |
| Conformity mark                             | CE                                                                                          | CE                                                                                | CE                                                                                | CE                                                                                 | CE                                                                                  | CE                                                                                  | CE                                                                                  |
| Certification scheme                        | CCA                                                                                         | CCA                                                                               | CCA                                                                               | CCA                                                                                | CCA                                                                                 | CCA                                                                                 | CCA                                                                                 |
| Protection class                            | ⊕                                                                                           | ⊕                                                                                 | ⊕                                                                                 | ⊕                                                                                  | ⊕                                                                                   | ⊕                                                                                   | ⊕                                                                                   |
| <b>Welding options</b>                      |                                                                                             |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Overlap welds                               | ✓                                                                                           |                                                                                   |                                                                                   | ✓                                                                                  | ✓                                                                                   |                                                                                     |                                                                                     |
| Hem welds                                   | ✓                                                                                           |                                                                                   |                                                                                   | ✓                                                                                  | ✓                                                                                   |                                                                                     |                                                                                     |
| Hems with rope                              | ✓                                                                                           |                                                                                   |                                                                                   | ✓                                                                                  | ✓                                                                                   |                                                                                     |                                                                                     |
| Tape welds                                  |                                                                                             | ✓                                                                                 | ✓                                                                                 |                                                                                    |                                                                                     | ✓                                                                                   | ✓                                                                                   |
| Prayer welds                                | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
| Pole Pockets                                | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
| <b>Welding technologies</b>                 |                                                                                             |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Hot-air welding                             | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
| Hot-wedge welding                           |                                                                                             |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| <b>Features</b>                             |                                                                                             |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Temperature regulation                      | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   |                                                                                     |                                                                                     |
| Drive regulation                            | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   |                                                                                     |                                                                                     |
| Temperature and drive infinitely adjustable | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
| Digital display                             | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   |                                                                                     |                                                                                     |
| Catalog page                                |  64 / 65 | 65                                                                                | 66                                                                                | 67 / 68                                                                            | 67 / 68                                                                             | 69                                                                                  | 69                                                                                  |

# HEMTEK ST: Hem welding has never been so easy and affordable

The HEMTEK ST is designed for a wide range of applications and is particularly intuitive to use. Once the machine is mounted, you can start welding immediately. Preparing or finishing with hot-air hand tools is no longer necessary. From now on, you quickly can weld promotional banners or tarpaulins from corner-to-corner with ease.

## Hot-air Welding machine

### HEMTEK ST





Thanks to the foot pedal, both hands are free to guide the material. High weld quality and stress-free welding experience guaranteed.



Whether sitting or standing, the HEMTEK ST can be used at almost any work table.

## Hot-air welding machine

### HEMTEK ST

- Welding speeds of up to 39 feet per minute
- Very strong blower
- Tool-free setting of the hem guide
- One hem guide, three applications: Hems: 0.8/1.2/1.6 inches; Pole pockets: up to 4 inches; Hems with rope
- Easy-to-use: Thanks to the foot pedal, your hands are free to guide the material
- Everything in a single step: No need to weld with hot-air hand tools afterwards
- All welding parameters are adjustable
- Cooldown mode
- Can be mounted onto almost any table: freely-adjustable, quick-clamp lock

#### Technical data

|                        |                      | 120 V                      | 230 V     |       |
|------------------------|----------------------|----------------------------|-----------|-------|
| Voltage                | V~                   | 120                        | 230       | 230   |
| Frequency              | Hz                   | 50/60                      | 50/60     | 50/60 |
| Power                  | W                    | 1800                       | 3450      | 2350  |
| Temperature, stepless  | °F                   | 212 – 1202                 |           |       |
| Air quantity, stepless |                      | 1 – 10                     |           |       |
| Drive, stepless        | ft./min.             | 2.6 – 39                   |           |       |
| Welding width          | in.                  | 0.8/1.2/1.6                | 1.2 / 1.6 | 0.8   |
| Emission               | L <sub>pA</sub> (dB) | 70 (K = 3 dB)              |           |       |
| Size (L × W × H)       | inches               | 17 × 14 × 24               |           |       |
| Weight                 | lbs                  | 60 (Including table mount) |           |       |
| Conformity mark        |                      | CE                         | CE        | CE    |
| Protection class I     |                      | ⊕                          | ⊕         | ⊕     |

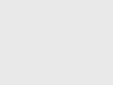
#### Included with purchase:

Hot-air welder, table mount, hem guide, scraper, silicone stopper, quick guide, general catalog, folder

#### Article No.:

157.871 HEMTEK ST, 120V/1800W, 0.8 inches, US-plug  
 157.870 HEMTEK ST, 120V/1800W, 1.2 inches, US-plug  
 157.869 HEMTEK ST, 120V/1800W, 1.6 inches, US-plug

### Accessories HEMTEK ST

|                                                                                     |                                                    |                                                                                                               |
|-------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|    | <b>157.048</b><br><b>157.047</b><br><b>108.117</b> | Pressure roller, top<br>0.8 inches<br>1.2 inches<br>1.6 inches                                                |
|    | <b>157.070</b><br><b>157.071</b><br><b>161.202</b> | Pressure roller, bottom<br>0.8 inches<br>1.2 inches<br>1.6 inches                                             |
|    | <b>157.707</b><br><b>157.706</b><br><b>157.705</b> | Nozzle<br>0.8 inches<br>1.2 inches<br>1.6 inches                                                              |
|    | <b>157.098</b>                                     | Nozzle adjustment gauge                                                                                       |
|  | <b>156.472</b>                                     | Adjustable hemming/piping guide                                                                               |
|  | <b>157.879</b>                                     | Adjustable hemming/piping guide for heavy materials                                                           |
|  | <b>155.800</b>                                     | Overlap guide                                                                                                 |
|  | <b>159.780</b>                                     | Tape welding guide                                                                                            |
|  | <b>169.971</b>                                     | Tape delivery system                                                                                          |
|  | <b>160.269</b>                                     | Contact pressure weight large                                                                                 |
|  | <b>153.947</b><br><b>149.675</b><br><b>145.606</b> | Heating elements<br>120V/1800W (0.8/1.2/1.6 inches)<br>230V/2200W (0.8 inches)<br>230V/3300W (1.2/1.6 inches) |
|  | <b>157.540</b>                                     | Silicone stopper                                                                                              |
|  | <b>170.589</b>                                     | Double flap piping kit 40mm                                                                                   |

# HEMTEK K-ST: Piping creation made easy

Based on your individual needs, you can produce your own piping with the HEMTEK K-ST. Because the HEMTEK K-ST is extremely flexible, you can react even faster to specific customer inquiries. The easy-to-use, infinitely-adjustable guide enables process-reliable piping creation with different lug widths. The foot pedal means you have both hands free and can use them to guide the material. This allows you to concentrate fully on the welding process.

Hot-air welder

## HEMTEK K-ST

1



### Piping guide:

Process-secure, easy guidance of the piping cord up to 13mm for optimum results.

2



**Control panel:** The intuitive control unit guarantees a stress-free welding experience. The temperature and speed can be adjusted easily. The integrated cool-down mode gently cools the machine.

3



### Table clamp:

The quick-clamp lock enables you to mount the machine quickly and easily onto any work table.

4



**Foot pedal:** The HEMTEK K-ST can be operated comfortably with the foot pedal so both hands are free to guide the material.





You can operate the HEMTEK K-ST at any work table – sitting or standing.

## Hot-air welder

### HEMTEK K-ST

- Piping creation made easy
- Lug width infinitely adjustable
- Piping diameter 0.12-0.51 inches
- Up to 3.1 yards/min
- Quick and easy installation of the machine
- Thanks to the foot pedal, you can use both hands to guide the material and piping. High welding quality and a stress-free welding experience are guaranteed.

#### Technical Data

|                       |                      | 120 V                            | 220 – 240 V |
|-----------------------|----------------------|----------------------------------|-------------|
| Voltage               | V~                   | 120                              | 230         |
| Frequency             | Hz                   | 50/60                            | 50/60       |
| Power                 | W                    | 1800                             | 2350        |
| Temperature, stepless | °F                   | 212 – 1202                       |             |
| Drive, stepless       | inch/min             | 31.5 – 47.2                      |             |
| Welding seam width    | inches               | 0.3                              |             |
| Emission              | L <sub>pA</sub> (dB) | 70 (K = 3 dB)                    |             |
| Size (L × B × H)      | inches               | 17.0 × 13.8 × 23.6               |             |
| Weight                | lbs                  | 59.5 (including table fastening) |             |
| Conformity mark       |                      | CE                               | CE          |
| Protection class I    |                      | ⊕                                | ⊕           |

#### Scope of delivery:

Hot-air welder, table fastening console, flap piping guide, quick guide, main catalog, folder

#### Article no.

162.499 HEMTEK K-ST, 230 V / 2350 W, EU plug  
162.605 HEMTEK K-ST, 120 V / 1800 W, US plug

### Accessories

|  |                                                  |
|--|--------------------------------------------------|
|  | <b>163.796</b> Modification kit K-ST             |
|  | <b>161.202</b> Pressure roller below 1.57 inches |
|  | <b>161.259</b> Flap-piping nozzle 0.3 inches     |
|  | <b>163.798</b> Nozzle adjustment gauge           |
|  | <b>160.749</b> Double flap-piping guide          |
|  | <b>149.675</b> Heating element 230 V / 2200 W    |
|  | <b>116.798</b> Brass brush                       |

#### Piping kits for converting HEMTEK ST to HEMTEK K-ST

| Existing                    | Required for HEMTEK K-ST (piping production) |                                  |                                           |
|-----------------------------|----------------------------------------------|----------------------------------|-------------------------------------------|
| HEMTEK ST                   | Modification kit K-ST<br>163.796             | Pressure roller below<br>161.202 | Heating element 230 V / 2200 W<br>149.675 |
| 157.862 0.79 inches EU plug | •                                            | •                                |                                           |
| 157.861 1.18 inches EU plug | •                                            | •                                | •                                         |
| 157.860 1.57 inches EU plug | •                                            |                                  | •                                         |
| 157.868 0.79 inches UK plug | •                                            | •                                |                                           |
| 157.867 1.18 inches UK plug | •                                            | •                                | •                                         |
| 157.866 1.57 inches UK plug | •                                            |                                  | •                                         |
| 157.871 0.79 inches US plug | •                                            | •                                |                                           |
| 157.870 1.18 inches US plug | •                                            | •                                |                                           |
| 157.869 1.57 inches US plug | •                                            |                                  |                                           |

# SEAMTEK 900 AT: Maximum flexibility for your specific application

The intelligent construction of the SEAMTEK 900 AT makes practically any welding application possible. Thanks to the well-thought-out multi-arm system, the machine can be set to a specific configuration for the application in record time. The huge selection of various drive wheels, nozzles and guides guarantees maximum flexibility. The intuitive operation of the user interface takes place entirely via touchscreen and permits simple adjustment of the regulated parameters.

## Welding machine

### SEAMTEK 900 AT

|   |                                                                                     |                                                                                                                                                                                                        |
|---|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 |    | <b>Intuitive</b> <ul style="list-style-type: none"> <li>• All parameters can be modified via touchscreen</li> <li>• Complete regulation of all parameters</li> </ul>                                   |
| 2 |    | <b>Application-friendly</b> <ul style="list-style-type: none"> <li>• Tool-free nozzle adjustment</li> <li>• Rapid wheel replacement</li> </ul>                                                         |
| 3 |  | <b>Pedestal</b> <ul style="list-style-type: none"> <li>• Overlap welding</li> <li>• Hem and piping welding</li> <li>• 3D / Inflatable welding</li> <li>• Strip welding</li> </ul>                      |
| 4 |  | <b>Quickarm</b> <ul style="list-style-type: none"> <li>• Endless welding of pipes and hoses</li> <li>• Overlap welding</li> </ul>                                                                      |
| 5 |  | <b>Sidearm</b> <ul style="list-style-type: none"> <li>• Circumference welding</li> <li>• Tape welding</li> <li>• Sealing of end caps</li> </ul>                                                        |
| 6 |  | <b>Tape delivery system</b> <ul style="list-style-type: none"> <li>• Application of seam sealing tape</li> <li>• Welding of reinforcement tape</li> <li>• Welding of hot melt adhesive tape</li> </ul> |



Leister SEAMTEK 900 AT





Easy, economical and safe welding.

## Welding machine

### SEAMTEK 900 AT



- Multi-arm system guarantees great flexibility
- Digitally-regulated welding parameters
- Intuitive user interface
- Quiet operation
- Test mode for rapid parameter determination
- Drive wheels and guides can be quickly changed
- Maintenance-free and durable

#### Technical data

|                       |        |                              |
|-----------------------|--------|------------------------------|
| Voltage               | V~     | 230 / 240                    |
| Power                 | W      | 4500                         |
| Temperature           | °F     | 248 – 1292                   |
| Speed                 | ft/min | 0.3 – 98                     |
| Size (L × W × H)      | inches | 59 × 28 × 59                 |
| Weight                | lbs    | 524 Base<br>590 Fully loaded |
| Required air pressure | psi    | 90                           |
| Welding seam width    | inches | 0.3 – 2.5 (8 – 64 mm)        |

#### Article No.:

|         |                                                                                                     |
|---------|-----------------------------------------------------------------------------------------------------|
| 155.555 | SEAMTEK 900 AT Base version with pedestal, 2 steel pressure rollers<br>25 mm, standard nozzle 25 mm |
| 155.777 | Quick arm                                                                                           |
| 155.666 | Side arm                                                                                            |
| 155.888 | Tape Delivery System (TDS)                                                                          |
| 155.386 | Monitoring unit for the SEAMTEK 900 AT                                                              |

### Accessories SEAMTEK 900 AT

|  |                                                                   |
|--|-------------------------------------------------------------------|
|  | Wheel, Steel, Ø 2.5 inches                                        |
|  | <b>155.392</b> 0.3" (8 mm)                                        |
|  | <b>155.393</b> 0.5" (13 mm)                                       |
|  | <b>155.863</b> 0.75" (19 mm)                                      |
|  | <b>154.593</b> 1" (25 mm)                                         |
|  | <b>155.864</b> 1.5" (38 mm)                                       |
|  | <b>155.394</b> 2" (50 mm)                                         |
|  | SEAMTEK Nozzle                                                    |
|  | <b>157.808</b> 0.30" (8 mm) Low Flow                              |
|  | <b>157.799</b> 0.50" (13 mm) Low Flow                             |
|  | <b>151.598</b> 0.50" (13 mm)                                      |
|  | <b>151.601</b> 0.75" (19 mm)                                      |
|  | <b>151.597</b> 1.0" (25 mm)                                       |
|  | <b>151.608</b> 1.5" (38 mm)                                       |
|  | <b>151.599</b> 2.0" (50 mm)                                       |
|  | <b>151.850</b> 2.16" (55 mm)                                      |
|  | <b>151.600</b> 2.5" (64 mm)                                       |
|  | <b>152.941</b> Closing nozzle with angle                          |
|  | <b>152.956</b> Hem nozzle                                         |
|  | <b>169.257</b> Adjustable nozzle for zipper<br>(2 x 3-25mm)       |
|  | <b>170.005</b> Pressure roller, adjustable for zipper<br>(0-14mm) |



SEAMTEK 2000 AT (2, 2 yards frame). On request.

# SEAMTEK W-900 AT: Variable speed for maximum efficiency

The SEAMTEK W-900 AT is the first welding machine to feature the innovative hot-wedge technology from LEISTER. This new welding machine is based on the tested and trusted SEAMTEK 900 AT. It allows you to easily reduce the welding speed without interruption during critical points in the welding process, while maintaining the same level of seam quality. Discover the benefits of the SEAMTEK W-900 AT and boost your welding efficiency.

## Welding machine

### SEAMTEK W-900 AT

1



#### Innovation

- The speed can be changed during the welding process, just like when using a sewing machine
- Temperature is automatically adjusted to your speed
- Highly efficient, up to 680 °C

2



#### Significant potential for savings

- Virtually no energy consumption in standby mode
- Significantly lower energy consumption than comparable machines
- Inexpensive replacement wedges

3



#### Ready for use in just a few seconds

- No preheating required
- Hot wedge heats up immediately at the start of the welding process

4



#### Safe and easy

- Reduce the speed easily during the welding process without affecting the seam quality
- The hot wedge cools down as soon as it is swiveled out (or in standby mode) This reduces the risk of burns

5



#### Outstanding seam results

- Flat, precise seams, even when welding curves
- Better welding results with fewer waves and wrinkles in the case of delicate materials



LEISTER SEAMTEK W-900 AT



Dinghies © Marek Uliasz | Dreamstime.com



Innovative hot-wedge technology

## Welding machine

### SEAMTEK W-900 AT



- Easy to change wedge bracket
- Multi-arm system with pedestal and quickarm
- Welding parameters digitally regulated
- Intuitive user interface
- Practically silent
- Compressed air connection not required
- Welding parameters can be saved
- Virtually no smoke
- Low-maintenance
- Digital wizard to adjust the wedge position

#### Technical data

|                        |        |                       |
|------------------------|--------|-----------------------|
| Voltage                | V~     | 230 / 240             |
| Power                  | W      | 3900                  |
| Temperature            | °F     | 0 – 1256              |
| Speed                  | ft/min | 2.6 – 98              |
| Dimensions (L × B × H) | inches | 67 × 28 × 59          |
| Weight                 | lbs    | 525                   |
| Welding seam width     | inches | 0.3 – 2.5 (8 – 64 mm) |

#### Article No.:

|         |                                                                                      |
|---------|--------------------------------------------------------------------------------------|
| 159.159 | SEAMTEK W-900 AT with pedestal and a power supply (without wheels and wedge bracket) |
| 160.330 | Additional power supply                                                              |
| 155.777 | Quickarm                                                                             |
| 155.888 | Tape delivery system                                                                 |

|                                                                                     |                                           |               |
|-------------------------------------------------------------------------------------|-------------------------------------------|---------------|
|   | Wedge bracket for 3D applications         |               |
|                                                                                     | 162.854                                   | 0.3" (8 mm)   |
|                                                                                     | 162.847                                   | 0.5" (13 mm)  |
|                                                                                     | 162.846                                   | 0.75" (19 mm) |
|                                                                                     | 162.700                                   | 1" (25 mm)    |
|                                                                                     | 160.111                                   | 1.18" (30 mm) |
|                                                                                     | 162.809                                   | 1.5" (38 mm)  |
|                                                                                     | 162.818                                   | 2" (50 mm)    |
|  | Wedge bracket for high-speed applications |               |
|                                                                                     | 163.172                                   | 0.3" (8 mm)   |
|                                                                                     | 163.173                                   | 0.5" (13 mm)  |
|                                                                                     | 163.174                                   | 0.75" (19 mm) |
|                                                                                     | 163.175                                   | 1" (25 mm)    |
|                                                                                     | 160.110                                   | 1.18" (30 mm) |
|                                                                                     | 163.176                                   | 1.5" (38 mm)  |
|                                                                                     | 163.177                                   | 2" (50 mm)    |
|  | 3D wedge package 5 piece                  |               |
|                                                                                     | 163.419                                   | 0.3" (8 mm)   |
|                                                                                     | 163.420                                   | 0.5" (13 mm)  |
|                                                                                     | 163.421                                   | 0.75" (19 mm) |
|                                                                                     | 163.422                                   | 1" (25 mm)    |
|                                                                                     | 165.009                                   | 1.18" (30 mm) |
|                                                                                     | 163.423                                   | 1.5" (38 mm)  |
|                                                                                     | 163.424                                   | 2" (50 mm)    |
|  | High-speed wedge package 5 piece          |               |
|                                                                                     | 163.427                                   | 0.3" (8 mm)   |
|                                                                                     | 163.428                                   | 0.5" (13 mm)  |
|                                                                                     | 163.429                                   | 0.75" (19 mm) |
|                                                                                     | 163.430                                   | 1" (25 mm)    |
|                                                                                     | 165.008                                   | 1.18" (30 mm) |
|                                                                                     | 163.431                                   | 1.5" (38 mm)  |
|                                                                                     | 163.432                                   | 2" (50 mm)    |



SEAMTEK W-2000 AT (2, 2 yards frame). On request.

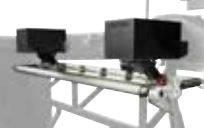
General accessories





Aircraft hangar / angarstroy.com

## Accessories SEAMTEK

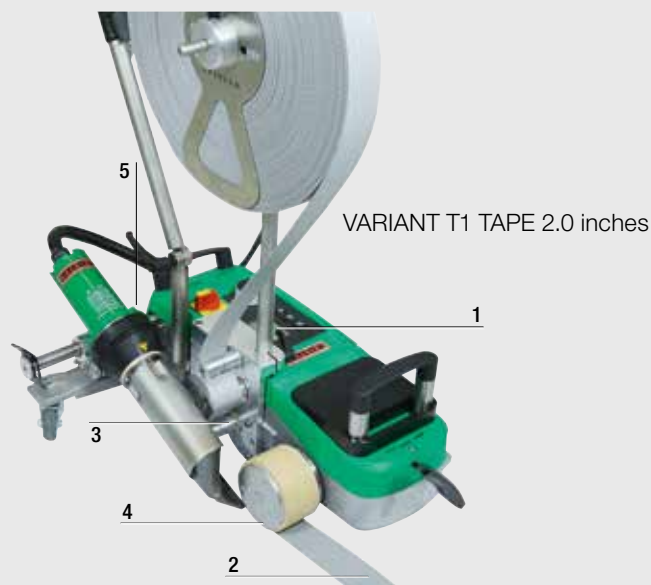
|                                                                                     |                                                                                                                                                                                                                                                                                              |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    | <p>Wheel, Silicone, 50A, Ø 2.5 inches</p> <p><b>155.401</b> 0.5" (13 mm)</p> <p><b>155.402</b> 0.75" (19 mm)</p> <p><b>155.403</b> 1" (25 mm)</p> <p><b>155.404</b> 1.5" (38 mm)</p> <p><b>155.405</b> 2" (50 mm)</p> <p><b>155.406</b> 2.24" (57 mm)</p> <p><b>155.407</b> 2.5" (64 mm)</p> |    | <p><b>155.400</b> Guide holder</p>                                                    |
|    | <p><b>155.660</b> Adjustable overlap guide, 0 – 2.5" (0 – 64 mm)</p>                                                                                                                                                                                                                         |    | <p><b>156.780</b> Overlap guide for quick arm</p>                                     |
|   | <p><b>155.530</b> Adjustable hem-/ piping guide 0 – 2.0" (0 – 50 mm)</p>                                                                                                                                                                                                                     |   | <p><b>155.410</b> Connection adapter for fume extraction</p>                          |
|  | <p><b>155.760</b> Adjustable hem / piping guide 0 - 2.36" (0 – 60 mm), for heavy materials</p>                                                                                                                                                                                               |  | <p><b>158.789</b> Tape cutting unit 0.7 × 1" (18 – 25 mm) (Compressed air needed)</p> |
|  | <p><b>155.380</b> Open Hem/Pocket Guide up to 4.33" (110 mm)</p>                                                                                                                                                                                                                             |  | <p><b>126.996</b> Puller unit E</p>                                                   |
|  | <p><b>155.540</b> Modular 3D guide</p>                                                                                                                                                                                                                                                       |  | <p><b>159.389</b> Adjustable Pedestal table</p>                                       |
|  | <p><b>156.760</b> Overlap guide from the left</p>                                                                                                                                                                                                                                            |  | <p><b>158.139</b> LED gooseneck work lamp</p>                                         |
|  | <p><b>156.770</b> Adjustable acrylic tape guide</p>                                                                                                                                                                                                                                          |  | <p><b>166.600</b> Table 900</p>                                                       |
|                                                                                     |                                                                                                                                                                                                                                                                                              |  | <p><b>170.880</b> Puller 2000 E</p> <p><b>142.500</b> Table 2000</p>                  |





# VARIANT T1: Quality, productivity, ergonomic

The robust VARIANT T1 is very versatile. It is used in various applications for hem, overlap and tape welding. VARIANT T1 convinces with its high working speed, particularly with vehicle tarpaulin production for welding overlap, reinforcement and anti-vandalism tapes. Thanks to the "e-Drive" operating concept, setting the relevant welding parameters could not be easier.

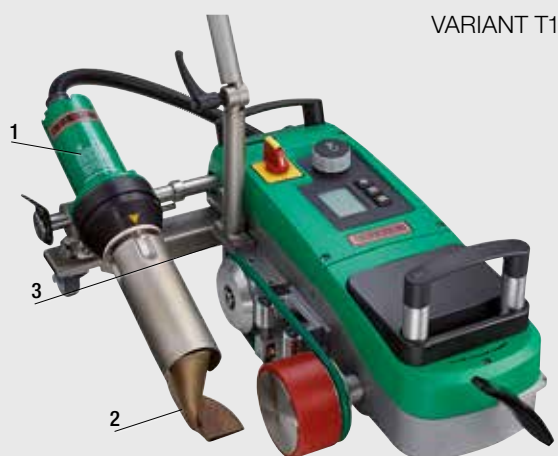


## VARIANT T1

|   |                                                                                     |                                                                                                                       |
|---|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 1 |   | <b>Economical:</b><br>Up to 59 ft/min welding speed and powerful, maintenance-free hot air blower.                    |
| 2 |   | <b>Reliable:</b><br>Constant, wrinkle-free welds thanks to process-optimized nozzle.                                  |
| 3 |  | <b>Hem / piping welding kit:</b><br>Welding hems, pole pockets and piping in short time with easy-to-use accessories. |

## VARIANT T1 TAPE

|   |                                                                                     |                                                                                                                                                                             |
|---|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 |  | <b>User-friendly:</b><br>Clear display plus "e-Drive" and storable welding parameters.                                                                                      |
| 2 |  | <b>Highly flexible:</b><br>Conversion kits make it possible to work with different types of tape: 2.0 inches reinforcement and 1.0 inches anti-vandalism tapes (see image). |
| 3 |  | <b>Feeding to perfection:</b><br>The new guide rollers make it easy to position the material and keep it taut right up to the final inches.                                 |
| 4 |  | <b>Dual-action:</b><br>The pressure roller can easily be converted from a 2.0 inches width to a 1.0 inches one (anti-vandalism tape) or vice versa.                         |
| 5 |  | <b>Optional:</b><br>The laser guide keeps the VARIANT T1 TAPE firmly on course.                                                                                             |



## VARIANT T1: Compact, fast and reliable

This tool's top welding speed of up to 59 ft/min and its slim, compact design make it a winning choice.



Very easy hem and piping welds with the hem / piping welding kit.

Hot-air welder

### VARIANT T1 Overlap



- Top welding speed up to 59 ft/min
- Perfect view into the weld seam
- Sturdy and durable for professional use
- Smooth lifting device for precise positioning
- Simple operation due to "e-Drive" operating concept

#### Technical data

|                    |        |                          |
|--------------------|--------|--------------------------|
| Voltage            | V~     | 230 / 400                |
| Power              | W      | 3680 / 5700              |
| Temperature        | °F     | 212 –1148                |
| Speed              | ft/min | 5 – 59                   |
| Air flow range     | %      | 40 – 100                 |
| Welding seam width | inches | 0.8 or 1.6 (20 or 40 mm) |
| Size (L × W × H)   | inches | 28 × 16 × 10             |
| Weight             | lbs    | 50 (without 5 ft cord)   |
| Conformity mark    |        | CE                       |
| Protection class I |        | ⏚                        |

#### Article No.:

- 141.891 VARIANT T1, 230 V / 3680 W, 1.6" (40 mm) nozzle, with Euro plug  
 141.892 VARIANT T1, 230 V / 3680 W, 0.8" (20 mm) nozzle, with Euro plug

Additional versions available upon request.

### Accessories VARIANT T1 Overlap

|  |                                                                                                                                                                           |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>142.650</b> Hem / piping welding kit complete, comprising:<br><b>142.221</b> Hold-down device<br><b>141.326</b> Piping roll<br><b>140.530</b> Hem / piping add-on part |
|  | <b>168.446</b> Adapter profile 50mm hem guide                                                                                                                             |
|  | <b>148.961</b> Conversion kit, VARIANT T1 Overlap to VARIANT T1 TAPE 1" (25 mm)                                                                                           |
|  | <b>148.962</b> Conversion kit, VARIANT T1 Overlap to VARIANT T1 TAPE 2" (50 mm)                                                                                           |
|  | <b>160.850</b> Weight bracket complete                                                                                                                                    |
|  | <b>161.297</b> Overlap kit 2" (50 mm)                                                                                                                                     |
|  | <b>159.899</b> Impeller adjustable                                                                                                                                        |
|  | <b>139.438</b> Additional weight 7.5 lbs                                                                                                                                  |
|  | <b>116.798</b> Brass brush                                                                                                                                                |
|  | <b>140.771</b> Overlap welding nozzle 0.8" (20 mm)                                                                                                                        |
|  | <b>141.558</b> Overlap welding nozzle 1.6" (40 mm)                                                                                                                        |
|  | <b>140.429</b> 1.0" (25 mm) pressure roller complete                                                                                                                      |
|  | <b>138.938</b> 1.8" (45 mm) pressure roller complete                                                                                                                      |
|  | <b>142.705</b> Sturdy storage case                                                                                                                                        |
|  | <b>107.612</b> Heating elements 230 V                                                                                                                                     |
|  | <b>107.613</b> Heating elements 400 V                                                                                                                                     |





An economical, ergonomic tool for the welding of reinforcement tapes.

## Hot-air tape welder

### VARIANT T1 TAPE



VARIANT T1 TAPE 1.0 inches, anti-vandalism

- Fastest, most precise automatic tape welding tool (up to 59 ft/min)
- "e-Drive" operating unit
- Easy to use
- Taut tape guidance
- Kits for converting VARIANT T1 Overlap to 1.0 or 2.0 inches TAPE

#### Technical data

|                    |        |                          |
|--------------------|--------|--------------------------|
| Voltage            | V~     | 230 / 400                |
| Power              | W      | 3680 / 5700              |
| Temperature        | °F     | 212 – 1148               |
| Air flow range     | %      | 40 – 100                 |
| Speed              | ft/min | 5 – 59                   |
| Welding seam width | inches | 2.0 or 1.0 (25 or 50 mm) |
| Size (L × W × H)   | inches | 28 × 16 × 10             |
| Weight             | lbs    | 62 (with 5 ft cord)      |
| Conformity mark    | CE     |                          |
| Protection class I | ⊕      |                          |

#### Article No.:

- 148.963 VARIANT T1 TAPE 1" (25 mm), 230 V / 3680 W, with Euro plug  
 148.964 VARIANT T1 TAPE 2" (50 mm), 230 V / 3680 W, with Euro plug

Additional versions available upon request.

### Accessories VARIANT T1 TAPE

|                                                                                      |                                                                                                                            |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|    | <b>149.652</b> Conversion kit VARIANT T1 TAPE 1" (25 mm) to VARIANT T1 TAPE 2" (50 mm), 1 nozzle, 4 guide rollers, 1 gauge |
|    | <b>149.653</b> Conversion kit VARIANT T1 TAPE 2" (50 mm) to VARIANT T1 TAPE 1" (25 mm), 1 nozzle, 4 guide rollers, 1 gauge |
|   | <b>149.654</b> Conversion kit VARIANT T1 TAPE to VARIANT T1 Overlap 0.8" (20 mm)                                           |
|   | <b>149.655</b> Conversion kit VARIANT T1 TAPE to VARIANT T1 Overlap 1.6" (40 mm)                                           |
|  | <b>149.100</b> Magnetic tool holder                                                                                        |
|  | <b>149.344</b> Laser guide                                                                                                 |
|  | <b>139.438</b> Additional weight 7.5 lbs                                                                                   |
|  | <b>116.798</b> Brass brush                                                                                                 |
|  | <b>153.555</b> Latching mechanism nozzle                                                                                   |
|  | <b>107.612</b> Heating elements 230 V<br><b>107.613</b> 400 V                                                              |



# Automatic, practical, safe – UNIPLAN 300 / UNIPLAN 500

Whether you are welding truck tarpaulins, tents, or banners, the UNIPLAN 300 and UNIPLAN 500 automatic welders are the ideal choice. Integrated lifting of the tarpaulins and automatic swiveling-in of the nozzle make the work easier for you and increases reliability. Thanks to the moveable swivel castor wheel, it is easy to get around obstacles such as grommets, hooks, or other accessories. Automatic, practical, safe – UNIPLAN 300 / UNIPLAN 500.

Hot-air welder

## UNIPLAN 300 / UNIPLAN 500



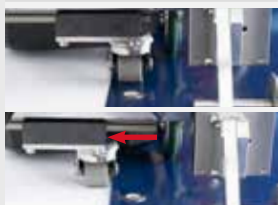
**automatic and safe:**  
swiveling in of the nozzle



**practical:**  
integrated lifting of the tarpaulin



**quick modification:**  
users can change from overlap welding to hem or pipe welding in one, easy step



**moveable swivel castor wheel:**  
to avoid obstacles such as grommets and hooks



**reliable:**  
controlled temperature and speed



Technical Textiles and  
Industrial Fabrics



UNIPLAN 300 / UNIPLAN 500: ideal for overlap, hem, and pipe welding either on a table or on the ground.

## Hot-air welder

### UNIPLAN 300 / UNIPLAN 500



UNIPLAN 300



UNIPLAN 500

- Blower motor with brushes
- Hot-air blower welding capacity of 12,500 rpm
- Display for setting the welding parameters
- Low-maintenance, brushless motor
- Hot-air blower for higher welding capacity of 18,000 rpm
- Display for setting and saving the welding parameters

#### Technical data

| Technical data         |          | UNIPLAN 300                                                                         |      | UNIPLAN 500                     |      |
|------------------------|----------|-------------------------------------------------------------------------------------|------|---------------------------------|------|
| Voltage                | V~       | 120                                                                                 | 230  | 120                             | 230  |
| Frequency              | Hz       | 50 / 60                                                                             |      |                                 |      |
| Power                  | W        | 1800                                                                                | 3450 | 1800                            | 3450 |
| Temperature, stepless  | °F       | 212 – 1148                                                                          |      |                                 |      |
| Drive, stepless        | ft/min   | 3.3 – 52.5                                                                          |      |                                 |      |
| Nozzle width           | inch     | 0.8 / 1.2 / 1.6                                                                     |      |                                 |      |
| Blower speed           | rpm      | 12'500                                                                              |      | 18'000                          |      |
| Blower motor           |          | brushed                                                                             |      | brushless<br>(maintenance-free) |      |
| Emission level         | LpA (dB) | 70 (K = 3 dB)                                                                       |      |                                 |      |
| Size (L × W × H)       | inch     | 19.7 x 12.2 x 11.8                                                                  |      |                                 |      |
| Weight (without cable) | lbs      | 33                                                                                  |      | 35                              |      |
| Conformity marking     |          | CE                                                                                  |      |                                 |      |
| Protection class I     |          |  |      |                                 |      |

#### Article No.:

|                                  | 40 mm   | 30 mm   | 20 mm   |
|----------------------------------|---------|---------|---------|
| UNIPLAN 300, 230 V, with EU plug | 164.545 | 164.546 | 164.547 |
| UNIPLAN 300, 120 V, with US plug | 164.557 | 164.558 | 164.559 |
| UNIPLAN 500, 230 V, with EU plug | 164.548 | 164.549 | 164.550 |
| UNIPLAN 500, 120 V, with US plug | 164.560 | 164.561 | 164.562 |

#### Included with purchase:

UNIPLAN 300: Automatic welder, overlap guide, quick guide, transportation box

UNIPLAN 500: Automatic welder, overlap guide, hem guide, material lifting device, 2 weights (2.75 lbs each), weight holder base, brush, short handle, nozzle adjustment gauge, quick guide, transportation box

### Accessories UNIPLAN 300 / UNIPLAN 500

|  |                                                            |
|--|------------------------------------------------------------|
|  | <b>165.083</b> Pressure roller kit 0.8 inch (20 mm)        |
|  | <b>165.403</b> Pressure roller kit 1.2 inch (30 mm)        |
|  | <b>165.082</b> Pressure roller kit 1.6 inch (40 mm)        |
|  | <b>164.315</b> Nozzle 0.8 inch (20 mm)                     |
|  | <b>164.314</b> Nozzle 1.2 inch (30 mm)                     |
|  | <b>160.421</b> Nozzle 1.6 inch (40 mm)                     |
|  | <b>166.187</b> Hem guide                                   |
|  | <b>165.791</b> Nozzle adjustment gauge                     |
|  | <b>160.351</b> Additional weight 2.75 lbs                  |
|  | <b>164.497</b> Weight holder base                          |
|  | <b>164.498</b> Weight holder extension                     |
|  | <b>157.000</b> Material lifting device                     |
|  | <b>170.639</b> Swivel castor                               |
|  | <b>165.542</b> Handle console                              |
|  | <b>159.000</b> Long handle                                 |
|  | <b>165.562</b> Short handle                                |
|  | <b>155.473</b> Heating element 230 V                       |
|  | <b>145.604</b> Heating element 120 V                       |
|  | <b>166.550</b> Piping kit 20 mm                            |
|  | <b>165.600</b> Piping kit 30 mm                            |
|  | <b>165.400</b> Piping kit 40 mm                            |
|  | comprising:<br><b>159.900</b> Piping pressure roller 20 mm |
|  | <b>165.500</b> Piping pressure roller 30 mm                |
|  | <b>161.100</b> Piping pressure roller 40 mm                |
|  | <b>169.082</b> Hold-down device                            |

# TAPEMAT: The power pack

For rapid, economical strip welding of truck covers and industrial curtains. Very fast strip welder at up to 66 ft per minute.



Welding tape at maximum speed.

Tape hot-air welder

## TAPEMAT



- High welding speed
- Process-optimized nozzle
- Maintenance-free, brushless blower
- Intuitive operation and simple handling

| Technical data     |        | TAPEMAT      | TAPEMAT SPRIEGEL  |
|--------------------|--------|--------------|-------------------|
| Voltage            | V~     | 3 × 400      | 3 × 400           |
| Power              | kW     | 10           | 10                |
| Temperature        | °F     | ~ 1200       | ~ 1200            |
| Speed              | ft/min | 13 – 66      | 13 – 66           |
| Welding seam width | inches | 2 (50 mm)    | 4 / 5 (100/125mm) |
| Size (L × W × H)   | inches | 22 × 17 × 15 | 22 × 17 × 15      |
| Weight             | lbs    | 88           | 88                |
| Conformity mark    |        | CE           | CE                |
| Approval mark      |        | Ⓢ            | Ⓢ                 |
| Protection class I |        | Ⓢ            | Ⓢ                 |

|                     |                                                                |
|---------------------|----------------------------------------------------------------|
| <b>Article No.:</b> |                                                                |
| 129.757             | TAPEMAT 2" (50 mm), 400 V / 10 kW, with 16A CEE plug           |
| 138.229             | TAPEMAT Spriegel 4" (100 mm) 400 V / 10 kW, with 16A CEE plug  |
| 133.597             | TAPEMAT Spriegel 5" (125 mm), 400 V / 10 kW, with 16A CEE plug |

Spriegel hot-air welder

## TAPEMAT SPRIEGEL

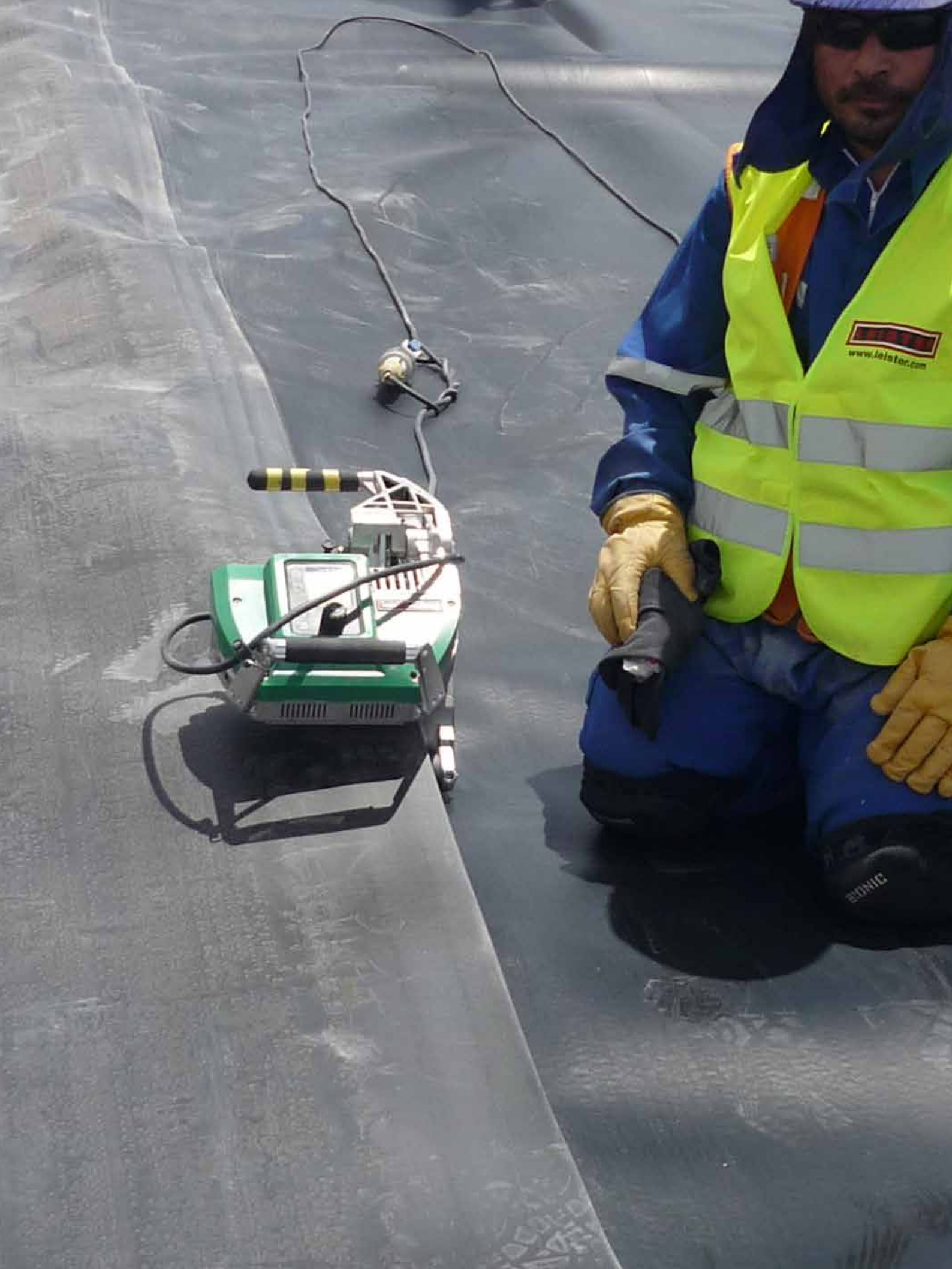


- Top welding speed
- Process-optimized, high-precision nozzle
- Maintenance-free, brushless blower
- Easy to exchange counter-pressure roller
- Constant tarpaulin bow tension

## Accessories TAPEMAT / TAPEMAT SPRIEGEL

|                                                                                      |                                                                                                            |
|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
|  | <b>138.242</b> Lifting device                                                                              |
|   | <b>131.690</b> TAPEMAT 2" (50 mm) welding nozzle                                                           |
|   | <b>137.412</b> TAPEMAT SPRIEGEL 4" (100 mm) welding nozzle, complete weld seam 0.8" (20 mm) left and right |
|   | <b>135.392</b> 5" (125 mm) welding nozzle, complete weld seam 0.8" (20 mm) left and right                  |
|   | <b>101.991</b> 3 × 400 V / 3 × 3300 W heating element                                                      |









Shrimp Farm, HDPE 0.02 inch (.05 mm)



Tunnel, PVC 0.1 inch (2.5 mm)



Water Reservoir, HDPE 0.08 inch (2 mm)



### Civil Engineering / Tunneling / Landfills

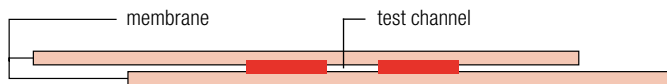
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### Hot Air Tools

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| General accessories | 36 / 37 |

## Possibilities of welding seams

Overlap seam with test channel



Overlap seam without test channel



## Product overview wedge welders for Civil Engineering / Tunneling / Landfills

|                             |            |  |  |  |  |  |  |
|-----------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Device type                 | GEOSTAR G7 / G7 LQS                                                                         | GEOSTAR G5 / G5 LQS                                                               | COMET                                                                             | TWINNY T7                                                                         | TWINNY T5                                                                          | TWINNY S                                                                            | UNIDRIVE 500                                                                        |
| Voltage V~                  | 230                                                                                         | 230                                                                               | 230                                                                               | 230                                                                               | 120 / 230                                                                          | 120 / 230                                                                           | 120 / 230                                                                           |
| Max. Power W                | 2800                                                                                        | 2800                                                                              | 1500 / 1200                                                                       | 3450                                                                              | 1800 / 3450                                                                        | 1900 / 2900                                                                         | 2300                                                                                |
| Temperature °F              | 176 – 860                                                                                   | 176 – 860                                                                         | 176 – 788                                                                         | 1040                                                                              | 1040                                                                               | 176 – 1040                                                                          | 68 – 1112                                                                           |
| Drive Speed ft/min          | 2.6 – 39                                                                                    | 2.6 – 39                                                                          | 2.6 – 10.5                                                                        | 2.6 – 26                                                                          | 2.6 – 26                                                                           | 0.7 – 2.5<br>(13.0/20.0 <sup>1</sup> )                                              | 1.6 – 16.4                                                                          |
| Max. Welding pressure lbs   | 336                                                                                         | 336                                                                               | 225                                                                               | 225                                                                               | 225                                                                                | 225 (112)                                                                           |                                                                                     |
| Weld seam width inches      | 2 × 0.6                                                                                     | 2 × 0.6                                                                           | 2 × 0.6                                                                           | 2 × 0.6                                                                           | 2 × 0.6                                                                            | 2 × 0.6                                                                             | 0.6 / 1.2 / 1.6                                                                     |
| Max. overlap inches         | 5.9                                                                                         | 5.9                                                                               | 4.9                                                                               | 4.9                                                                               | 4.9                                                                                | 4.9                                                                                 |                                                                                     |
| Data recording              | – / ✓                                                                                       | – / ✓                                                                             | – / ✓                                                                             | – / ✓                                                                             |                                                                                    |                                                                                     |                                                                                     |
| Digital display             | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  |                                                                                     | ✓                                                                                   |
| Size (L × W × H) inches     | 19 × 11 × 11                                                                                | 19 × 11 × 11                                                                      | 12 × 10 × 10                                                                      | 13 × 14 × 10                                                                      | 13 × 14 × 10                                                                       | 14 × 15 × 11                                                                        | 11.7 × 6.8 × 10.8                                                                   |
| Weight lbs                  | 39                                                                                          | 36                                                                                | 17                                                                                | 23                                                                                | 22                                                                                 | 15 – 17                                                                             | 4                                                                                   |
| Conformity mark             | CE                                                                                          | CE                                                                                | CE                                                                                | CE                                                                                | CE                                                                                 | CE                                                                                  | CE                                                                                  |
| Protection class            | ⚡                                                                                           | ⚡                                                                                 | ⚡                                                                                 | ⚡                                                                                 | ⚡                                                                                  | ⚡                                                                                   | ⚡                                                                                   |
| <b>Welding technologies</b> |                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| Hot-wedge welding           | ✓                                                                                           | ✓                                                                                 | ✓                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| Combi-wedge welding         |                                                                                             |                                                                                   |                                                                                   | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   | ✓                                                                                   |
| <b>Applications</b>         |                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| HDPE, LDPE, TPO, FPO, PP    | 40 – 120 mil* <sup>2</sup>                                                                  | 30 – 120 mil* <sup>2</sup>                                                        | 20 – 100 mil                                                                      | 20 – 100 mil                                                                      | 8 – 100 mil                                                                        | 20 – 10 mil                                                                         | 8 – 100 mil                                                                         |
| PVC, CSPE, EIA              | * <sup>3</sup>                                                                              | 30 – 120 mil* <sup>2</sup><br>*(steel wedge only)                                 | 20 – 120 mil<br>*(steel wedge only)                                               | 20 – 120 mil                                                                      | 20 – 120 mil                                                                       | 20 – 120 mil                                                                        | 20 – 120 mil                                                                        |
| Catalog page                |  74 / 75 | 74 / 75                                                                           | 78 / 79                                                                           | 80 / 81                                                                           | 80 / 81                                                                            | 82                                                                                  | 83                                                                                  |

<sup>1</sup> For details, see page 82

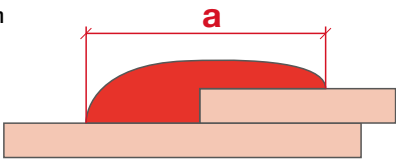
Attention these are Leister recommendations only, depending upon material specifications the possible min. thicknesses may vary.  
For more information please contact your Leister Distributor.

\* Please note PVC, CSPE and all chlorinated products are only to be welded with steel wedges.

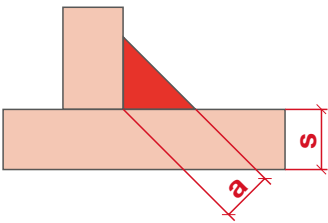
\*<sup>2</sup> Material dependent. Thinner/thicker materials are possible based on the skill level of the operator.

\*<sup>3</sup> Other configurations and various wedges available upon request.

Overlap seam



Fillet welding seam



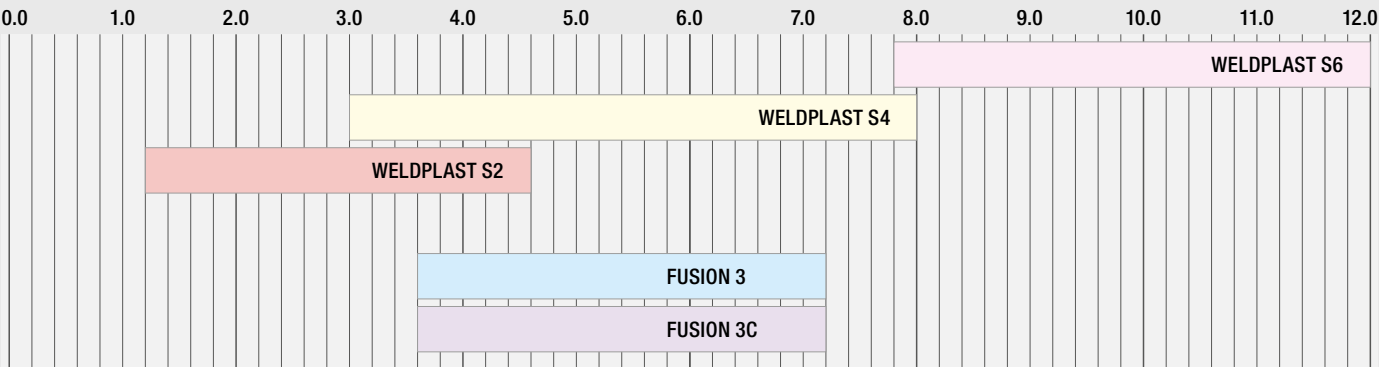
Product Comparison

|                               | Digitally-regulated extrusion welders                                                  |                                                                                   |                                                                                   | Analog extrusion welders                                                           |                                                                                     |
|-------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                               |       |  |  |  |  |
| Device type                   | WELDPLAST S6                                                                           | WELDPLAST S4                                                                      | WELDPLAST S2                                                                      | FUSION 3                                                                           | FUSION 3C                                                                           |
| Output (HDPE) lbs/hr          | 8.6 – 13.2                                                                             | 3.3 – 8.8                                                                         | 1.3 – 5.0                                                                         | 3.5 – 7.7                                                                          | 3.5 – 7.7                                                                           |
| Material                      | HDPE, PP                                                                               | HDPE, PP                                                                          | HDPE, PP, PVC                                                                     | HDPE, PP                                                                           | HDPE, PP                                                                            |
| Wall thickness inches         | 0.6 – 1.6                                                                              | 0.3 – 1.4                                                                         | 0.2 – 0.8                                                                         | 0.3 – 1.0                                                                          | 8 – 25                                                                              |
| Welding rod Ø inches          | $\frac{5}{32} - \frac{3}{16}$                                                          | $\frac{1}{8} - \frac{5}{32} / \frac{5}{32} - \frac{3}{16}$                        | $\frac{1}{8} - \frac{5}{32}$                                                      | $\frac{1}{8} - \frac{5}{32} / \frac{5}{32} - \frac{3}{16}$                         | $\frac{1}{8} - \frac{5}{32} / \frac{5}{32} - \frac{3}{16}$                          |
| Weight lbs                    | 31                                                                                     | 19                                                                                | 13                                                                                | 16                                                                                 | 15                                                                                  |
| Length inches                 | 32                                                                                     | 22                                                                                | 18                                                                                | 27                                                                                 | 23                                                                                  |
| Voltage V~                    | 230                                                                                    | 230                                                                               | 230                                                                               | 230                                                                                | 230                                                                                 |
| Screw extruder                | yes                                                                                    | yes                                                                               | yes                                                                               | yes                                                                                | yes                                                                                 |
| Container construction        | ✓✓                                                                                     | ✓✓                                                                                | ✓✓                                                                                | ✓✓                                                                                 | ✓✓                                                                                  |
| Pipeline construction         | ✓✓                                                                                     | ✓✓                                                                                | ✓✓                                                                                | ✓✓                                                                                 | ✓✓                                                                                  |
| Landfills / civil engineering | ✓✓                                                                                     | ✓✓                                                                                | ✓                                                                                 | ✓✓                                                                                 | ✓                                                                                   |
| Brushless blower              | yes                                                                                    | yes                                                                               | yes                                                                               | no                                                                                 | no                                                                                  |
| Remarks                       | 1                                                                                      | 1                                                                                 | 1                                                                                 | 2                                                                                  | 2                                                                                   |
| Catalog page                  |  84 | 85                                                                                | 86                                                                                | 87 / 88                                                                            | 87 / 88                                                                             |

✓✓ very suitable    ✓ suitable

1: Air and plast temperatures are shown via a display and can be separately and freely adjusted.  
2: The air temperature is adjusted by means of a potentiometer (rotary dial). The heating of the plastic mass is performed by the pre-heating air.

Overview of Extrusion Welders Output (lbs/hr)



# GEOSTAR G5 and GEOSTAR G7 – Faster, lighter, smarter

**Wedge welding redefined:** with the GEOSTAR wedge welders for welding geomembranes. This mid-size, light-weight welder boasts a robust, cast aluminum frame construction for an extreme power range. The GEOSTAR also features an operating unit with integrated voltage display for permanent monitoring of weld parameters and voltage. The new design makes wedge replacement a cinch and can be accomplished in under a minute.

## Wedge welders

### GEOSTAR G7 / G7 LQS, G5 / G5 LQS



- Welding speed up to 39 ft/min
- G7 Longer wedge allows for welding up to 45 percent faster than the G5
- High heating capacity / heating power
- Digital display of weld pressure
- Integrated voltage display
- Wedge replacement in less than one minute
- Adjustable chassis height

| Technical data               |        | GEOSTAR G7 / G7 LQS                                                                        |
|------------------------------|--------|--------------------------------------------------------------------------------------------|
| Voltage                      | V~     | 220 – 240                                                                                  |
| Frequency                    | Hz     | 50 / 60                                                                                    |
| Power                        | W      | 2800                                                                                       |
| Max. heating temperature     | °F     | 860                                                                                        |
| Welding wedge                | inches | 5 × 2                                                                                      |
| Max. overlap                 | inches | 6                                                                                          |
| Max. welding force           | lbs    | 350                                                                                        |
| Weld width with test channel | inches | 2 × 0.6                                                                                    |
| Drive speed* <sup>1</sup>    | ft/min | 2.6 – 39<br>Level 1: 2.6–23<br>Level 2: 5–39                                               |
| Dimensions (L × W × H)       | inches | 19 × 11 × 11                                                                               |
| Weight                       | lbs    | 39                                                                                         |
| Materials                    |        | HDPE 30 – 120 Mil* <sup>2</sup><br>PP, LDPE ,TPO, FPO<br>additional materials upon request |
| Mark of conformity           |        | CE                                                                                         |
| Protection class I           |        | ⊕                                                                                          |

\*<sup>1</sup>: Conversion of gear 1–2 using position change of sprocket wheels

#### Article No.

- 151.035 GEOSTAR G7, 230V / 2800W, 2 inches roller, copper wedge  
 155.152 GEOSTAR G7 LQS data recording, 230 V / 2800 W, copper wedge with test channel, with Euro plug

Included with purchase: Automatic welder, transport box, Allen keys (3 pcs.), cleaning brush, quick guide

| Technical data               |        | GEOSTAR G5 / G5 LQS                                                                                                                                         |
|------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage                      | V~     | 220 – 240                                                                                                                                                   |
| Frequency                    | Hz     | 50 / 60                                                                                                                                                     |
| Power                        | W      | 2800                                                                                                                                                        |
| Max. heating temperature     | °F     | 860                                                                                                                                                         |
| Welding wedge                | inches | 3.5 × 2                                                                                                                                                     |
| Max. overlap                 | inches | 6                                                                                                                                                           |
| Max. welding force           | lbs    | 350                                                                                                                                                         |
| Weld width with test channel | inches | 2 × 0.6                                                                                                                                                     |
| Drive speed* <sup>1</sup>    | ft/min | 2.6 – 39<br>Level 1: 2.6–20<br>Level 2: 5 –39                                                                                                               |
| Dimensions (L × W × H)       | inches | 19 × 11 × 11                                                                                                                                                |
| Weight                       | lbs    | 36                                                                                                                                                          |
| Materials                    |        | HDPE 30 – 120 Mil* <sup>2</sup><br>PP, LDPE ,TPO, FPO, PVC-P* <sup>3</sup> ,<br>CSPE* <sup>3</sup> , EIA* <sup>3</sup><br>additional materials upon request |
| Mark of conformity           |        | CE                                                                                                                                                          |
| Protection class I           |        | ⊕                                                                                                                                                           |

\*<sup>2</sup>: Material dependent. Thinner/thicker materials are possible based on the skill level of the operator. / \*<sup>3</sup>: Requires steel wedge

#### Article No.

- 151.683 GEOSTAR G5, 230V / 2800W, 2 inches roller, copper wedge with test channel, with Euro plug  
 156.135 GEOSTAR G5 LQS data recording, 230 V / 2800 W, copper wedge with test channel, with Euro plug

Included with purchase: Automatic welder, transport box, Allen keys (3 pcs.), cleaning brush, quick guide



Include: generous material input, smooth-motion gliding of geomembranes—thanks to new wedge geometry—and three different parking and maintenance positions. The GEOSTAR is available in two performance classes: GEOSTAR G5 and GEOSTAR G7.



The GEOSTAR easily welds 800 ft. without difficulty in a single pass during a field test (South Africa).

## Accessories

### GEOSTAR G7/G7 LQS, G5/G5 LQS

|                                                                                     |                                                                                                                                |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|    | <b>148.489</b> Wedge Kit GEOSTAR G7,<br>5 × 2 inches, 230V/2500W,<br>copper wedge with test channel                            |
|    | <b>151.684</b> Wedge Kit GEOSTAR G5,<br>3.5 × 2 inches, 230V/2500W,<br>copper wedge with test channel                          |
|                                                                                     | <b>153.557</b> Stainless steel wedge with test channel<br>3.5 × 2 inches, 230V/2500W                                           |
|                                                                                     | <b>149.174</b> Wedge Kit GEOSTAR G5,<br>3.5 × 2 inches, 120V/1600W,<br>copper wedge with test channel                          |
|                                                                                     | <b>153.560</b> Stainless steel wedge with test channel<br>3.5 × 2 inches 120V/1600W<br><br>Other wedges available upon request |
|  | <b>153.361</b> Drive roll D2 inches × 2 (3) inches;<br>Traction Step, Steel, pointed knurled,<br>with test channel             |
|   | <b>153.338</b> Drive roll D2 inches × 2 inches;<br><br>Steel, pointed knurled, with test<br>channel                            |
|  | <b>153.359</b> Steel, blunt edge knurled, with test<br>channel<br>Other rollers on request                                     |
|  | <b>155.568</b> 2 inches straight profile Roller<br>w/screw                                                                     |
|  | <b>154.272</b> 3.1 inches Silicone Rollers w/screw                                                                             |
|                                                                                     | <b>154.676</b> 2 inches Silicone Rollers w/screw                                                                               |
|  | <b>146.204</b> Prefabrication wagon for Geostar                                                                                |
|  | <b>146.346</b> Side support for Prefabrication wagon<br>(4 pieces required)                                                    |
|  | <b>151.847</b> Brass brush                                                                                                     |

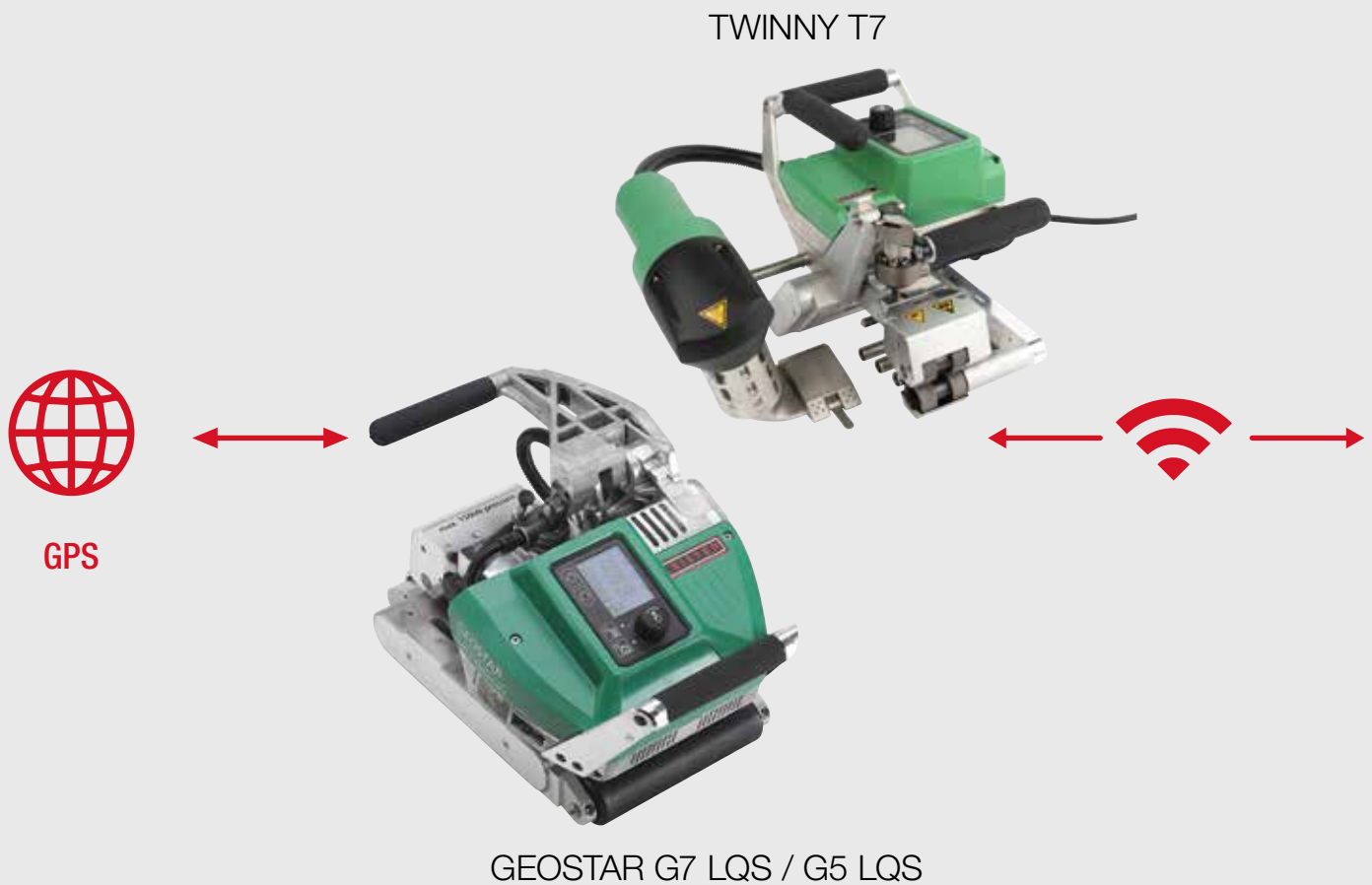
For further accessories see [www.leister.com/geostar](http://www.leister.com/geostar)





## LQS – Leister Quality System

The Leister Quality System (LQS) allows you to compile full quality documentation for all aspects of your welding work. You can document every welding seam as a table, graphic or even with GPS coordinates. The Leister Quality System provides all the advantages of state of the art technology, helping installers enhance on site QC/QA and installation standards overall.



### Pinpoint precision

By activating the GPS function, you can assign the welding seams precisely to the relevant location (for GPS and GLONASS format).



### LQS

- Activatable data recording
- Welding parameter monitoring via alarm function
- Data storage for 10,000 welds



### Wireless data transfer

After the welding process, the data can be transferred conveniently via WiFi. The transfer process only takes a few seconds.



GEOSTAR LQS in field operation.



#### Data evaluation on mobile devices

The data is evaluated digitally via the LQS app. This app can be downloaded free of charge from the Windows or Android Store. The LQS menus are extremely easy to navigate and are adapted to users' needs.



#### Data cloud

The data cloud opens up lots of extra possibilities:

- Cloud function can be switched on/off
- External data backup
- Unit management
- User management
- Decentralized access of welding data for remote team members



#### Welding report

The LQS app can be used to produce records in all standard forms:

- Welding report
- Tables and graphics
- pdf and csv format
- Allows integration of data into existing QC/QA programs

# COMET / COMET USB: The highflyers

This compact heavy-duty welding machine is in use worldwide. The small powerhouse is specially designed for the demands of landfill sites, mines and tunnels. Documentation made simple: The COMET USB memory system is designed for use on construction sites. Because this compact hot-wedge welding machine records all relevant welding parameters, data transfer is mere child's play.

## Wedge welder

### COMET



- Lightweight and compact
- Digital display of temperature and velocity
- Closed loop control of temperature and drive
- Easy and user friendly

#### Technical Data

|                    |        |                           |
|--------------------|--------|---------------------------|
| Voltage            | V~     | 120 / 230                 |
| Power              | W      | 1500 / 1200               |
| Temperature        | °F     | 176 – 788                 |
| Max. overlap       | inches | 5 (125 mm)                |
| Speed              | ft/min | 2.6 – 10.5                |
| Welding pressure   | lbs    | 22.5 – 225                |
| Weld seam width    | inches | 2 × 15, with test channel |
| Material thickness | mil    | 20 – 120                  |
| Size (L × W × H)   | inches | 12 × 10 × 10              |
| Weight             | lbs    | 17                        |
| Conformity mark    | CE     |                           |
| Protection class I | ⏚      |                           |

#### Article No.

107.547 COMET, with 2 inches (50 mm) wedge for PE, 230 V / 1200 W \*

107.538 COMET, with 2.8 inches (70mm) wedge for PE, 230 V / 1500 W \*

145.893 COMET, with 3.7 inches (95 mm) wedge for PE 230 V / 1850 W \*

107.558 COMET, with 2.0 inches (50 mm) wedge for PVC, 230 V / 1200 W \*

107.553 COMET, with 2.0 inches (50 mm) wedge for PE, 120 V / 1200 W \*

107.539 COMET, with 2.8 inches (70 mm) wedge for PE, 120 V / 1500 W \*

Additional versions available upon request. \* = with test channel, EURO plug

Included with purchase: Welder, quick guide, short guide-bar, storage case.

## Wedge welder

### COMET USB



- Digital display of welding pressure
- Complete recording of all relevant weld parameters
- USB memory system designed for use on construction sites
- Convenient data transfer

#### Technical Data

|                    |        |                            |
|--------------------|--------|----------------------------|
| Voltage            | V~     | 120 / 230                  |
| Power              | W      | 1500 / 1200                |
| Temperature        | °F     | 176 – 788                  |
| Max. overlap       | inches | 5 (125 mm)                 |
| Speed              | ft/min | 2.6 – 10.5                 |
| Welding pressure   | lbs    | 22.5 – 225                 |
| Weld seam width    | inches | 2 × 0.6, with test channel |
| Material thickness | mil    | 20 – 120                   |
| Size (L × W × H)   | inches | 12 × 10 × 10               |
| Weight             | lbs    | 17                         |
| Conformity mark    | CE     |                            |
| Protection class I | ⏚      |                            |

#### Article No.

137.626 COMET USB, with 2.0 inches (50 mm) wedge for PE, 230 V / 1200 W \*

138.088 COMET USB, with 2.8 inches (70 mm) wedge for PE, 230 V / 1500 W \*

Additional versions available upon request. \* = with test channel, EURO plug

Included with purchase: Welder, quick guide, short guide-bar, memorystick, storage case





Comet operating in the tunnel ...



... or on a landfill site.

## Accessories COMET / COMET USB

|                                                                                   |                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------|
|  | <b>112.974</b> Extremely light cross handle 5 lbs, material: aluminum |
|  | <b>129.224</b> Guide-bar, complete                                    |
|  | <b>144.416</b> USB memory stick                                       |



Perfectly protected in the storage case.  
**126.448**  
(included with purchase)

|                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|   | <b>100.327</b> Drive roller 2 inches, steel, sharp edge knurled, with test channel    |
|    | <b>100.328</b> Drive roller 2 inches, steel, sharp edge knurled, without test channel |
|   | <b>100.329</b> Driveroller 2 inches, steel, blunt edge knurled, with test channel     |
|  | <b>100.330</b> Drive roller 2 inches, steel, blunt edge knurled, without test channel |
|  | <b>100.331</b> Drive roller 2 inches, silicon, with test channel                      |
|  | <b>100.332</b> Drive roller 2 inches, silicon, without test channel                   |

Roles are compatible with COMET and TWINNY T and S welding machines.

## Fields of application COMET / COMET USB

| Power            | 1850 W            |                    | 1500 W            |                    | 1200 W          |                    |
|------------------|-------------------|--------------------|-------------------|--------------------|-----------------|--------------------|
| Type of material | Wedge             | Material thickness | Wedge             | Material thickness | Wedge           | Material thickness |
| PE-HD, PE-C, PP  | 3.7 inches copper | 60 – 120 mil       | 2.7 inches copper | 40 – 100 mil       | 2 inches copper | 20 – 60 mil        |
| PE-LD            | 3.7 inches copper | 60 – 120 mil       | 2.7 inches copper | 40 – 100 mil       | 2 inches copper | 20 – 60 mil        |
| PVC-P            |                   |                    | 2.7 inches steel  | 80 – 120 mil       | 2 inches steel  | 40 – 80 mil        |

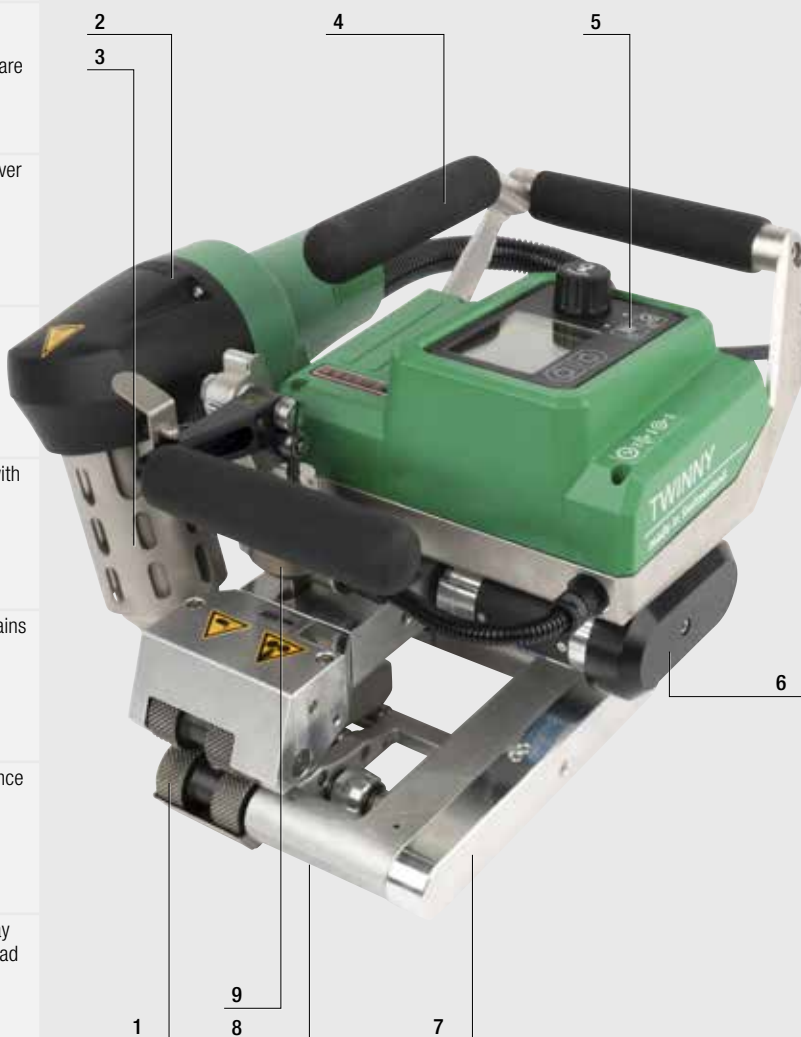
## Plug and weld – TWINNY T7 und TWINNY T5

If you want to weld thin or thick geomembranes (0.02 to 0.1 inches) 20-100 mils quickly, easily and safely, the TWINNY T7 or TWINNY T5 are your go-to automatic welders. Both tools are well-rounded, thanks to their practical design and intuitive operation. The TWINNY T7 comes equipped with highly-efficient data recording ability thanks to the LQS function, GPS, Wi-Fi and connection to the myLeister app are guaranteed. Plug and weld – TWINNY T7 and T5.

### Hot-air welder

### TWINNY T7/T5

|   |                                                                                     |                                                                                                                                             |
|---|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 1 |    | <b>quick</b><br>drive speed of 2.6 to 26 ft/min                                                                                             |
| 2 |    | <b>T7: brushless blower motor</b><br>significantly greater air volume                                                                       |
| 3 |   | <b>dry and clean</b><br>the hot air dries moisture in no time at all, while dust and sand are blown away                                    |
| 4 |  | Optimum handling thanks to clever grip options                                                                                              |
| 5 |  | <b>a. T7:</b> Communication module myLeister with WiFi, GPS, LQS, voltmeter, e-Drive<br><b>b. T5:</b> Basic functions with digital accuracy |
| 6 |  | Gearbox and motor separated with service-friendly timing belt                                                                               |
| 7 |  | Reinforced double-row drive chains                                                                                                          |
| 8 |  | Field kit for more ground clearance                                                                                                         |
| 9 |  | <b>a. T7:</b> digital joining force display<br><b>b. T5:</b> Force module with overload protection                                          |





Display TWINNY T7



Display TWINNY T5

# Hot-air welder

## TWINNY T7/T5



- **powerful:** 3300 watts, enabling more heating power
- **sustainable:** TWINNY T7 and T5 are durable and easy to service

| Technical data                       |        | TWINNY T7                                         | TWINNY T5                    |
|--------------------------------------|--------|---------------------------------------------------|------------------------------|
| Voltage                              | V~     | 230                                               | 230 / 120                    |
| Frequency                            | Hz     | 50 / 60                                           | 50 / 60                      |
| Power                                | W      | 3450                                              | 3450 (1800 @ 120V)           |
| Max. Temperature                     | °F     | 1040                                              | 1040                         |
| Blower Motor                         | rpm    | Maintenance free<br>Brushless Motor<br>max.18'000 | Brushed Motor<br>max. 12'000 |
| Air volume                           | %      | 45 – 100                                          |                              |
| Max. Overlap                         | inches | 4.9                                               |                              |
| Max. Welding pressure                | lbs    | 225                                               |                              |
| Drive speed                          | ft/min | 2.6 – 26                                          |                              |
| LQS, WIFI, GPS                       |        | Yes                                               | No                           |
| Digital Pressure display             |        | Yes                                               | No                           |
| Digital Voltage display              |        | Yes                                               | No                           |
| Audible / Visual Alarms              |        | Yes                                               | No                           |
| Welding pressure overload protection |        | Visual and acoustical warning                     | Mechanical                   |
| Size (L x W x H)                     | inches | 13 x 14 x 10                                      |                              |
| Weight                               | lbs    | 23                                                | 22                           |
| Conformity                           |        | CE                                                |                              |
| Protection class                     |        | ⚡                                                 |                              |

## Accessories TWINNY T7/T5

|  |                |                                                     |
|--|----------------|-----------------------------------------------------|
|  | <b>155.629</b> | Combi-wedge long, 2" (50 mm), with test channel     |
|  | <b>155.630</b> | Combi-wedge long, 2" (50 mm), without test channel  |
|  | <b>155.634</b> | Combi-wedge short, 2" (50 mm), with test channel    |
|  | <b>155.637</b> | Combi-wedge short, 2" (50 mm), without test channel |
|  | <b>159.135</b> | Long handle complete                                |
|  | <b>164.025</b> | Indoor roller kit                                   |

### Article No.:

CEE blue Euro plug  
 164.198 164.197 TWINNY T7 230 V / 3450 W CWL w/TC Ro 2 inches sharp Field kit  
 164.215 164.214 TWINNY T7 230 V / 3450 W CWS w/TC Ro 2 inches sharp Field kit  
 164.217 164.216 TWINNY T7 230 V / 3450 W CWL wo/TC Ro 2 inches blunt Field kit  
 164.219 164.218 TWINNY T7 230 V / 3450 W CWS wo/TC Ro 2 inches blunt Field kit  
 164.221 164.220 TWINNY T7 230 V / 3450 W CWS wo/TC Ro 2 inches Silicone Indoor kit  
 164.223 164.222 TWINNY T5 230 V / 3450 W CWL w/TC Ro 2 inches sharp Field kit  
 164.225 164.224 TWINNY T5 230 V / 3450 W CWS w/TC Ro 2 inches sharp Field kit  
 164.227 164.226 TWINNY T5 230 V / 3450 W CWL wo/TC Ro 2 inches blunt Field kit  
 164.229 164.228 TWINNY T5 230 V / 3450 W CWS wo/TC Ro 2 inches blunt Field kit  
 164.231 164.230 TWINNY T5 230 V / 3450 W CWS wo/TC Ro 2 inches Silicone Indoor kit  
 CEE yellow plug  
 164.232 TWINNY T5 120 V / 1800 W CWS w/TC Ro 2 inches sharp Field kit  
 164.233 TWINNY T5 120 V / 1800 W CWS wo/TC Ro 2 inches blunt Field kit

CWL = Combi wedge long / CWS=Combi wedge short / W/TC = with Test channel / wo/TC = without Test Channel / Ro = Roller width

**Scope of delivery:** Machine, storage case, cleaning brush, Instruction manual

# TWINNY S: Perfect weight

This lightweight tool is optimized for overhead welding and is ideal for thin materials used in civil engineering and tunnel construction. Leister offers a choice between replaceable combi-wedges with or without test channel.



TWINNY T, with convenient cross-handle, at work overhead welding in a tunnel.

## Combi-wedge welder

### TWINNY S



- Simple operation
- Lightweight
- High welding speed
- Stepless adjustment of temperature and drive
- Perfect welding result even in harsh environmental conditions thanks to hot-air system.

#### Technical Data

|                     |        |                           |
|---------------------|--------|---------------------------|
| Voltage             | V~     | 120 / 230                 |
| Power               | W      | 2900                      |
| Temperature         | °F     | 68 – 1100                 |
| Max. overlap        | inches | 4.9                       |
| Speed               |        |                           |
| drive 256:1         | ft/min | 2.6 – 8.2                 |
| drive 144:1         |        | 4.6 – 13                  |
| Welding pressure    | lbs    | 225 / 112 (256:1 / 144:1) |
| Size (L x W x H)    | inches | 14 x 15 x 11              |
| Weight              | lbs    | 14 – 15                   |
| Conformity mark     |        | CE                        |
| Protection class II |        | □                         |

#### Article No.

- 119.031 TWINNY S for tunnel construction, drive 256:1, 230 V / 2900 W, with test channel, combi-wedge long, Euro plug
- 119.039 TWINNY S for tunnel construction, drive 256 : 1, 120V/1900W, with test channel, combi-wedge long, w/o plug

Included with purchase:

Tunneling version: Welder, quick guide, guide-bar short, storage case

## Accessories TWINNY S

|                                                                                      |                                                                                                                                                                               |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>112.974</b> Extremely light cross handle 5 lbs, material: aluminum                                                                                                         |
|    | Combi-wedge short<br><b>100.517</b> 1.96 inches (50 mm), with test channel<br><b>100.518</b> 1.96 inches (50 mm) without test channel                                         |
|   | Combi-wedge long, complete<br><b>100.525</b> 1.96 inches (50 mm) with test channel<br><b>100.526</b> 1.96 inches (50 mm), without test channel, slotted, perforated           |
|  | <b>126.448</b> Storage case (included with purchase)                                                                                                                          |
|  | <b>101.905</b> 230 V / 2750 W heating element, TWINNY S<br><b>101.910</b> 230 V / 2100 W heating element, TWINNY S<br><b>101.913</b> 120 V / 1800 W heating element, TWINNY S |

See COMET for roles.



# UNIDRIVE 500: safe and economical – everywhere

Guided by two ergonomic handles, you can achieve the ideal pressure to ensure high-quality welding results. Changing direction – via key combination and dual drive, it couldn't be easier!



The perfect choice for welding joint sealing tape.

Semi-automatic hot-air welder

## UNIDRIVE 500



- **Safe:** Constant parameters and reliable quality – even with undervoltage
- **Fast:** Up to three times faster than manual welding
- **Customized:** Reversible drive allows for welding in either direction
- **Practical:** Compact and lightweight semi-automatic hot-air welder: 9.9 lbs, 11.8 cm high
- **Economical:** Maintenance-free, brushless motors

| Technical data                                                             |                                                                         | UNIDRIVE 500                                                                        | UNIDRIVE 500 | UNIDRIVE 500 |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|--------------|
| Voltage                                                                    | V~                                                                      | 100                                                                                 | 120          | 230          |
| Power                                                                      | W                                                                       | 1500                                                                                | 1800         | 2200         |
| Temperature                                                                | °F                                                                      | 220 – 1040                                                                          |              |              |
| Air volume                                                                 | %                                                                       | 45 – 100                                                                            |              |              |
| Speed                                                                      | ft/min                                                                  | 2.3 – 14.8                                                                          |              |              |
| Emission                                                                   | L <sub>pA</sub> (dB)                                                    | 70 (K = 3 dB)                                                                       |              |              |
| Size (L × H × B)                                                           | inches                                                                  | 11.7 × 6.8 × 10.8                                                                   |              |              |
| Weight                                                                     | lbs                                                                     | 9.9                                                                                 |              |              |
| Conformity mark                                                            |                                                                         | CE                                                                                  |              |              |
| Protection class I                                                         |                                                                         |  |              |              |
|                                                                            |                                                                         |                                                                                     |              |              |
| <b>Article No.:</b>                                                        |                                                                         |                                                                                     |              |              |
| 163.144                                                                    | UNIDRIVE 500, 1.6 inches, 220 – 240 V/2200 W, EU plug, Silicone rollers |                                                                                     |              |              |
| 163.147                                                                    | UNIDRIVE 500, 1.6 inches, 100 – 120 V/1800 W, US plug, Silicone rollers |                                                                                     |              |              |
| Additional versions available upon request                                 |                                                                         |                                                                                     |              |              |
|                                                                            |                                                                         |                                                                                     |              |              |
| Included with purchase: Welding machine, device case, hex key, quick guide |                                                                         |                                                                                     |              |              |

## Accessories UNIDRIVE 500

|  |                |                                   |
|--|----------------|-----------------------------------|
|  | <b>164.586</b> | Overlap welding nozzle            |
|  | <b>164.576</b> | 0.6 inches                        |
|  | <b>164.403</b> | 1.2 inches                        |
|  | <b>163.930</b> | Pressure roller, steel 0.6 inches |
|  | <b>163.357</b> | Pressure roller, steel 1.6 inches |
|  | <b>162.551</b> | Support wheel, silicone           |
|  | <b>161.156</b> | Silicone rubber roller            |
|  | <b>159.911</b> | 1.6 inches                        |
|  | <b>151.847</b> | Brass brush                       |
|  | <b>164.605</b> | Storage case UNIDRIVE 500         |
|  | <b>156.531</b> | Carrying strap for Leister case   |
|  | <b>145.582</b> | Heating elements 230 V / 2200 W   |
|  | <b>165.176</b> | Heating elements 120 V / 2100 W   |
|  | <b>165.179</b> | Heating elements 100 V / 1600 W   |

# WELDPLAST S6: The workhorse

WELDPLAST S6 is the world's highest rated handheld extrusion welder. With an output of 13 lbs/hr, it is surprisingly maneuverable. It features a brushless, preheat motor, multifunction display and comfortable ergo-grip, making the S6 Leister's flagship extrusion welder.



WELDPLAST S6, Gold Mine Mexico.

Digitally-regulated extrusion welder

## WELDPLAST S6



- 13 lbs output per hour
- Highest possible preheating capacity
- Adjustable control wheel
- Maintenance-free hot-air blower
- Multifunctional display

### Technical Data

|                    |        |                                                          |
|--------------------|--------|----------------------------------------------------------|
| Voltage            | V~     | 230                                                      |
| Power              | W      | 4600                                                     |
| Material           |        | PE / PP                                                  |
| Welding rod        | inches | $\varnothing \frac{5}{32}$ or $\frac{3}{16}$ (4 or 5 mm) |
| Output             | lbs/hr | 8.6 – 13.2                                               |
| Size (L x W x H)   | inches | 33 x 5 x 10                                              |
| Weight             | lbs    | 31                                                       |
| Conformity mark    |        | CE                                                       |
| Protection class I |        | ⊕                                                        |

### Article No.

134.318 Extrusion Welder WELDPLAST S6, 230 V / 4600 W, with CEE 32A plug

Included with purchase: WELDPLAST S6, overlap welding shoe, storage case

## Accessories WELDPLAST S6

| Welding shoe complete        |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| 146.239                      | 2 1/8" x 1 9/16" x 2 1/16" blank shoe                           |
| 146.240                      | 2 29/32" x 2" x 2 9/32" blank welding shoe                      |
| 146.241                      | 1" (25 mm) overlap                                              |
| 146.706                      | 1 3/16" (30 mm) overlap                                         |
| 146.242                      | 1 5/8" (35 mm) overlap                                          |
| 145.899                      | 1 9/16" (40 mm) overlap                                         |
| 146.245                      | 25/32" (20 mm) V-seam                                           |
| 146.246                      | 1" (25 mm) V-seam                                               |
| 146.247                      | 1 3/16" (30 mm) V-seam                                          |
| 146.232                      | 25/32" fillet weld seam (a = 9/16"*)                            |
| 146.233                      | 1" fillet weld seam (a = 1 1/16"*)                              |
| 146.234                      | 1 3/16" fillet weld seam (a = 1 3/16"*)                         |
| 146.230                      | Corner seam $\varnothing \frac{9}{16}$ " (14 mm)                |
| 146.218                      | Corner seam $\varnothing \frac{19}{32}$ " (15 mm)               |
| * a = welding seam thickness |                                                                 |
| 117.055                      | 1 5/8" (35 mm) preheating nozzle, large                         |
| 136.859                      | 2" (50 mm) preheating nozzle, XL                                |
| 117.790                      | Side hot-air guide                                              |
| 116.367                      | Ultra strong storage case WELDPLAST S6 (included with purchase) |
| 149.744                      | Insulation sleeve / heat blanket WELDPLAST S6                   |

General accessories



# WELDPLAST S4

The WELDPLAST S4 is the first extrusion welder of its kind with brushless, maintenance-free motor for generating preheated air. Output of up to 8.8 pounds per hour is made possible thanks to the S4's powerful drive system.



The powerful WELDPLAST S4 at work.

Digitally-regulated extrusion welder

## WELDPLAST S4



- Compact housing design reduces noise and guarantees optimal cooling for the electronics and drive.
- Microprocessor to regulate the welding process and to monitor the tool
- Menu with function programs
- Dual-sided twist-free wire intake
- Maintenance-free blower

### Technical Data

|                    |        |                                                                                                            |
|--------------------|--------|------------------------------------------------------------------------------------------------------------|
| Voltage            | V~     | 230                                                                                                        |
| Power              | W      | 3680                                                                                                       |
| Material           |        | PE /PP                                                                                                     |
| Welding rod        | inches | $\varnothing \frac{1}{8} - \frac{5}{32}$ (3 – 4 mm) / $\varnothing \frac{5}{32} - \frac{3}{16}$ (4 – 5 mm) |
| Output             | lbs/hr | 3.3 – 8.8                                                                                                  |
| Size (L x W x H)   | inches | 22 x 4 x 12                                                                                                |
| Weight             | lbs    | 19                                                                                                         |
| Conformity mark    |        | CE                                                                                                         |
| Protection class I |        | ⊕                                                                                                          |

### Article No.

- 146.812 WELDPLAST S4, 230 V / 3680 W,  $\varnothing \frac{5}{32} - \frac{3}{16}$  " (4 – 5 mm), top hot air guide, 1.6 inches overlap welding shoe, preheating nozzle large, with Euro plug, storage case
- 116.948 WELDPLAST S4, 230 V / 3680 W,  $\varnothing \frac{1}{8} - \frac{5}{32}$  " (3 – 4 mm), side hot air guide, blank welding shoe, preheating nozzle large, medium and small, with Euro plug, storage case

## Accessories WELDPLAST S4

|                                                                                      |                                                                                      |                                                                                       |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                                                      |                                                                                      | <b>Welding shoe complete</b>                                                          |
|     |    | <b>146.239</b> 2 $\frac{1}{8}$ " x 1 $\frac{9}{16}$ " x 2 $\frac{1}{16}$ " blank shoe |
|                                                                                      |     | <b>146.240</b> 2 $\frac{29}{32}$ " x 2" x 2 $\frac{9}{32}$ " blank welding shoe       |
|     |    | <b>146.241</b> 1" (25 mm) overlap                                                     |
|                                                                                      |    | <b>146.706</b> 1 $\frac{3}{16}$ " (30 mm) overlap                                     |
|                                                                                      |   | <b>146.242</b> 1 $\frac{3}{8}$ " (35 mm) overlap                                      |
|                                                                                      |   | <b>145.899</b> 1 $\frac{9}{16}$ " (40 mm) overlap                                     |
|   |  | <b>146.243</b> $\frac{15}{32}$ " (12 mm) V-seam                                       |
|                                                                                      |   | <b>146.244</b> $\frac{19}{32}$ " (15 mm) V-seam                                       |
|                                                                                      |  | <b>146.245</b> $\frac{25}{32}$ " (20 mm) V-seam                                       |
|                                                                                      |   | <b>146.246</b> 1" (25 mm) V-seam                                                      |
|                                                                                      |  | <b>146.247</b> 1 $\frac{3}{16}$ " (30 mm) V-seam                                      |
|   |  | <b>146.525</b> $\frac{15}{32}$ " fillet weld seam (a = $\frac{5}{16}$ "*)             |
|                                                                                      |   | <b>146.231</b> $\frac{19}{32}$ " fillet weld seam (a = $\frac{13}{32}$ "*)            |
|                                                                                      |  | <b>146.232</b> $\frac{25}{32}$ " fillet weld seam (a = $\frac{9}{16}$ "*)             |
|                                                                                      |   | <b>146.233</b> 1" fillet weld seam (a = $\frac{11}{16}$ "*)                           |
|                                                                                      |  | <b>146.234</b> 1 $\frac{3}{16}$ " fillet weld seam (a = $\frac{13}{16}$ "*)           |
|   |  | <b>146.230</b> Corner seam $\varnothing \frac{15}{32}$ " (12 mm)                      |
|                                                                                      |   | <b>146.218</b> Corner seam $\varnothing \frac{25}{32}$ " (20 mm)                      |
|                                                                                      |                                                                                      | * a = welding seam thickness                                                          |
|  | <b>144.904</b> Angled adapter 45°                                                    |                                                                                       |
|                                                                                      | <b>145.704</b> Angled adapter 90°                                                    |                                                                                       |
|                                                                                      |                                                                                      | Caution: You must use welding shoes with an integrated air guide for this.            |
|   | <b>117.064</b> Side hot-air guide                                                    |                                                                                       |
|                                                                                      | <b>117.065</b> Top hot-air guide                                                     |                                                                                       |
|   | <b>117.053</b> Preheating nozzle                                                     |                                                                                       |
|                                                                                      | Small $\frac{25}{32}$ " (20 mm)                                                      |                                                                                       |
|                                                                                      | <b>117.518</b> Medium 1" (25 mm)                                                     |                                                                                       |
|   | <b>141.177</b> Large 1 $\frac{3}{8}$ " (35 mm)                                       |                                                                                       |
|                                                                                      | <b>136.231</b> Pre-heat reflector                                                    |                                                                                       |
|   | <b>149.723</b> Insulation sleeve / heat blanket                                      |                                                                                       |
|                                                                                      | WELDPLAST S4                                                                         |                                                                                       |

# WELDPLAST S2: The masterpiece

The WELDPLAST S2 is a compact, ergonomically-designed workhorse. The handy size extruder puts out over four pounds per hour and can even weld TPO materials without difficulty.



The robust WELDPLAST S2 welding a patch in a tunneling application.

Digitally-regulated extrusion welder

## WELDPLAST S2 / S2 TPO



- Maintenance-free blower
- Perfect weld seam quality
- Multifunctional display
- Ergonomic and handy
- Successfully operated worldwide

### Technical Data

|                                  |        |                                                     |
|----------------------------------|--------|-----------------------------------------------------|
| Voltage                          | V~     | 230                                                 |
| Power                            | W      | 3000                                                |
| Material standard version        |        | PE /PP                                              |
| Welding rod                      | inches | $\varnothing \frac{1}{8} - \frac{5}{32}$ (3 – 4 mm) |
| Output $\varnothing$ 0.12 inches | lbs/h  | PE: 1.3 – 2.9<br>PP: 1.1 – 2.65                     |
| Output $\varnothing$ 0.16 inches | lbs/h  | PE: 2.2 – 5.0<br>PP: 2.0 – 4.4                      |
| Size (L x W x H)                 | inches | 18 x 4 x 10                                         |
| Weight                           | lbs    | 13                                                  |
| Conformity mark                  |        | CE                                                  |
| Protection class I               |        | ⊕                                                   |

### Article No.

127.215 WELDPLAST S2, 230 V / 3000 W, with Euro plug  
Included with purchase: WELDPLAST S2, blank welding shoe, storage case  
136.602 WELDPLAST S2, 230 V / 3000 W, TPO, with Euro plug  
Included with purchase: WELDPLAST S2, UBL-blank welding shoe, storage case

## Accessories WELDPLAST S2 / S2 TPO

|  |                |                                                                                                                                             |
|--|----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>145.945</b> | Welding shoe complete                                                                                                                       |
|  | <b>145.946</b> | 1 $\frac{25}{32}$ " x 1 $\frac{3}{16}$ " x 2 $\frac{1}{8}$ " blank shoe<br>2 $\frac{29}{32}$ " x 2" x 2 $\frac{9}{32}$ " blank welding shoe |
|  | <b>145.896</b> | 1" (25 mm) overlap                                                                                                                          |
|  | <b>145.947</b> | 1 $\frac{3}{16}$ " (30 mm) overlap                                                                                                          |
|  | <b>145.897</b> | 1 $\frac{3}{8}$ " (35 mm) overlap                                                                                                           |
|  | <b>145.915</b> | $\frac{5}{16}$ / $\frac{13}{32}$ " (8 / 10 mm) V-seam                                                                                       |
|  | <b>145.907</b> | $\frac{15}{32}$ " (12 mm) V-seam                                                                                                            |
|  | <b>145.903</b> | $\frac{19}{32}$ " (15 mm) V-seam                                                                                                            |
|  | <b>145.909</b> | $\frac{25}{32}$ " (20 mm) V-seam                                                                                                            |
|  | <b>145.944</b> | $\frac{5}{16}$ / $\frac{13}{32}$ " fillet weld (a = $\frac{9}{32}$ " )                                                                      |
|  | <b>145.815</b> | $\frac{15}{32}$ " fillet weld (a = $\frac{5}{16}$ "*)                                                                                       |
|  | <b>145.812</b> | $\frac{19}{32}$ " fillet weld (a = $\frac{13}{32}$ "*)                                                                                      |
|  | <b>145.940</b> | $\frac{25}{32}$ " fillet weld (a = $\frac{9}{16}$ "*)                                                                                       |
|  | <b>146.645</b> | Corner outside seam $\frac{13}{32}$ " (10 mm)                                                                                               |
|  | <b>146.649</b> | Corner outside seam $\frac{15}{32}$ " (12 mm)                                                                                               |
|  | <b>146.651</b> | Corner outside seam $\frac{19}{32}$ " (15 mm)                                                                                               |
|  | <b>145.811</b> | Corner seam $\varnothing \frac{9}{16}$ " (14 mm)                                                                                            |
|  | <b>145.488</b> | Corner seam $\varnothing \frac{25}{32}$ " (20 mm)                                                                                           |
|  |                | * a = welding seam thickness                                                                                                                |
|  | <b>139.460</b> | 45° angled adapter                                                                                                                          |
|  | <b>139.461</b> | 90° angled adapter                                                                                                                          |
|  | <b>134.361</b> | Air filter<br>(included with purchase)                                                                                                      |
|  | <b>143.776</b> | Textile dust filter<br>(not included with purchase)                                                                                         |
|  | <b>155.829</b> | Air filter                                                                                                                                  |
|  | <b>131.451</b> | Tool rest                                                                                                                                   |
|  | <b>136.231</b> | Preheat reflector                                                                                                                           |
|  | <b>154.002</b> | Insulation sleeve                                                                                                                           |

General accessories





# FUSION 3 / 3C: THE slim twins

With its long and narrow shape, the FUSION 3 enables comfortable work, even on the ground. The slightly shorter 3C also provides an astounding output volume of up to eight pounds per hour.



Due to its length, the FUSION 3 is especially suited for civil engineering applications.

Analogue extrusion welder

## FUSION 3



- High welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Dual-sided twist-free wire intake
- 360° rotatable welding shoe

| Technical Data                                                                   |                                                                            | Version      |           | Version       |           |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------|-----------|---------------|-----------|
|                                                                                  | inches                                                                     | Ø 1/8 – 5/32 |           | Ø 5/32 – 3/16 |           |
| Welding rod Ø                                                                    | inches                                                                     | 1/8          | 5/32      | 5/32          | 3/16      |
| Output PE                                                                        | lbs/hr                                                                     | 4.4 – 5.5    | 5.9 – 7.9 | 4.6 – 5.7     | 5.9 – 7.9 |
| Output PP                                                                        | lbs/hr                                                                     | 4.0 – 5.0    | 5.5 – 7.5 | 4.0 – 5.3     | 5.5 – 7.5 |
| Voltage                                                                          | V~                                                                         | 230          |           |               |           |
| Power                                                                            | W                                                                          | 3500         |           |               |           |
| Material                                                                         |                                                                            | PE / PP      |           |               |           |
| Size (L × W × H)                                                                 | inches                                                                     | 26 × 4 × 7   |           |               |           |
| Weight                                                                           | lbs                                                                        | 16           |           |               |           |
| Conformity mark                                                                  |                                                                            | CE           |           |               |           |
| Protection class II                                                              |                                                                            | □            |           |               |           |
| Artikel-Nr.                                                                      |                                                                            |              |           |               |           |
| 118.300                                                                          | FUSION 3, 230 V / 3500 W, welding rod Ø 1/8 – 5/32" (3 – 4 mm), Euro plug  |              |           |               |           |
| 144.615                                                                          | FUSION 3, 230 V / 3500 W, welding rod Ø 5/32 – 3/16" (4 – 5 mm), Euro plug |              |           |               |           |
| Included with purchase: FUSION 3, Welding shoe overlap 1.18 inches, storage case |                                                                            |              |           |               |           |

Analogue extrusion welder

## FUSION 3C



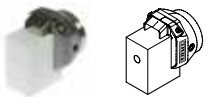
- High welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Dual-sided twist-free wire intake
- 360° rotatable welding shoe

| Technical Data                                                      |                                                                             | Version      |           | Version       |           |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------|-----------|---------------|-----------|
|                                                                     | inches                                                                      | Ø 1/8 – 5/32 |           | Ø 5/32 – 3/16 |           |
| Welding rod Ø                                                       | inches                                                                      | 1/8          | 5/32      | 5/32          | 3/16      |
| Output PE                                                           | lbs/hr                                                                      | 4.4 – 5.5    | 5.9 – 7.9 | 4.6 – 5.7     | 5.9 – 7.9 |
| Output PP                                                           | lbs/hr                                                                      | 4.0 – 5.0    | 5.5 – 7.5 | 4.0 – 5.3     | 5.5 – 7.5 |
| Voltage                                                             | V~                                                                          | 230          |           |               |           |
| Power                                                               | W                                                                           | 3200         |           |               |           |
| Material                                                            |                                                                             | PE / PP      |           |               |           |
| Size (L × W × H)                                                    | inches                                                                      | 23 × 4 × 9   |           |               |           |
| Weight                                                              | lbs                                                                         | 15           |           |               |           |
| Conformity mark                                                     |                                                                             | CE           |           |               |           |
| Protection class II                                                 |                                                                             | □            |           |               |           |
| Artikel-Nr.                                                         |                                                                             |              |           |               |           |
| 123.866                                                             | FUSION 3C, 230 V / 3200 W, welding rod Ø 1/8 – 5/32" (3 – 4 mm),, Euro plug |              |           |               |           |
| 144.826                                                             | FUSION 3C, 230 V / 3200 W, welding rod Ø 5/32 – 3/16" (4 – 5 mm), Euro plug |              |           |               |           |
| Included with purchase: FUSION 3C, blank welding shoe, storage case |                                                                             |              |           |               |           |



The FUSION 3 for comfortable working in upright positions.

## Accessories FUSION 3 / FUSION 3C

|                                                                                     |                |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>145.945</b> | <b>Welding shoe complete</b>                                                                                                                                            |
|                                                                                     | <b>145.946</b> | 1 $\frac{25}{32}$ " $\times$ 1 $\frac{3}{16}$ " $\times$ 2 $\frac{1}{8}$ " blank shoe<br>2 $\frac{29}{32}$ " $\times$ 2" $\times$ 2 $\frac{9}{32}$ " blank welding shoe |
|    | <b>145.896</b> | 1" (25 mm) overlap                                                                                                                                                      |
|                                                                                     | <b>145.947</b> | 1 $\frac{3}{16}$ " (30 mm) overlap                                                                                                                                      |
|                                                                                     | <b>145.897</b> | 1 $\frac{3}{8}$ " (35 mm) overlap                                                                                                                                       |
|    | <b>145.915</b> | $\frac{3}{16}$ / $\frac{1}{4}$ " (5 / 6 mm) V-seam                                                                                                                      |
|                                                                                     | <b>145.907</b> | $\frac{5}{16}$ / $\frac{13}{32}$ " (8 / 10 mm) V-seam                                                                                                                   |
|                                                                                     | <b>145.903</b> | $\frac{15}{32}$ " (12 mm) V-seam                                                                                                                                        |
|                                                                                     | <b>145.909</b> | $\frac{19}{32}$ " (15 mm) V-seam                                                                                                                                        |
|                                                                                     | <b>145.916</b> | $\frac{25}{32}$ " (20 mm) V-seam                                                                                                                                        |
|   | <b>145.905</b> | 1" (25 mm) V-seam                                                                                                                                                       |
|                                                                                     | <b>145.944</b> | $\frac{5}{16}$ / $\frac{13}{32}$ " fillet weld (a = $\frac{9}{32}$ "*)                                                                                                  |
|                                                                                     | <b>145.815</b> | $\frac{5}{32}$ " fillet weld (a = $\frac{5}{16}$ "*)                                                                                                                    |
|                                                                                     | <b>145.812</b> | $\frac{19}{32}$ " fillet weld (a = $\frac{13}{32}$ "*)                                                                                                                  |
|                                                                                     | <b>145.940</b> | $\frac{25}{32}$ " fillet weld (a = $\frac{9}{16}$ "*)                                                                                                                   |
|                                                                                     | <b>145.816</b> | 1" fillet weld (a = $\frac{11}{16}$ "*)                                                                                                                                 |
|                                                                                     | <b>145.817</b> | $\frac{13}{16}$ " fillet weld (a = $\frac{25}{32}$ "*)                                                                                                                  |
|  | <b>146.643</b> | Corner outside seam $\frac{5}{16}$ " (8 mm)                                                                                                                             |
|                                                                                     | <b>146.645</b> | Corner outside seam $\frac{13}{32}$ " (10 mm)                                                                                                                           |
|                                                                                     | <b>146.649</b> | Corner outside seam $\frac{15}{32}$ " (12 mm)                                                                                                                           |
|                                                                                     | <b>146.651</b> | Corner outside seam $\frac{19}{32}$ " (15 mm)                                                                                                                           |
|  | <b>145.811</b> | Corner seam $\varnothing \frac{9}{16}$ " (14 mm)                                                                                                                        |
|                                                                                     | <b>145.488</b> | Corner seam $\varnothing \frac{25}{32}$ " (20 mm)                                                                                                                       |
| * a = welding seam thickness                                                        |                |                                                                                                                                                                         |
|  | <b>148.817</b> | 45° angled adapter                                                                                                                                                      |
|                                                                                     | <b>148.816</b> | 90° angled adapter                                                                                                                                                      |
|  | <b>135.082</b> | Air filter in stainless steel FUSION 3C                                                                                                                                 |
|  | <b>131.451</b> | <b>Tool rest</b><br>WELDPLAST S2 / S2 PVC / FUSION 2                                                                                                                    |
|                                                                                     | <b>160.454</b> | FUSION 3C<br>WELDPLAST S4 / S6 / FUSION 3                                                                                                                               |
|  | <b>136.231</b> | Preheat reflector                                                                                                                                                       |
|  | <b>149.421</b> | Insulation sleeve FUSION 3                                                                                                                                              |
|                                                                                     | <b>149.420</b> | Insulation sleeve FUSION 3C                                                                                                                                             |

## General accessories

|                                                                                    |                |                                                                                          |
|------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------|
|  | <b>144.095</b> | Welding rod de-reeler                                                                    |
|  | <b>123.173</b> | Storage case                                                                             |
|                                                                                    | <b>119.540</b> | WELDPLAST S4 / FUSION 3<br>WELDPLAST S2 / S2 TPO / FUSION 3C<br>(included with purchase) |
|  | <b>134.567</b> | Heating element,                                                                         |
|                                                                                    | <b>109.984</b> | 230 V / 2600 W, for WELDPLAST S6                                                         |
|                                                                                    | <b>113.268</b> | 230 V / 2200 W, for WELDPLAST S4 / S2                                                    |
|                                                                                    | <b>123.561</b> | 230 V / 1100 + 1100 W, for FUSION 3<br>230 V / 1750 W, for FUSION 3C                     |

FUSION 3C with heat blanket.



# EXAMO: The inspector

Will your seam meet industry standards? Can it withstand the specified peel, tensile and shear forces? EXAMO performs tests at the construction site—quickly, reliably and effortlessly.



Blank in uniform size, quickly produced with the COUPON CUTTER 500.

## Tensiometer

### EXAMO 300F USB, 600F USB



- Construction-site approved
- Handy, robust and reliable
- Testing of elongation, peak force, tear force, test speed and position
- Optional jaws suitable for geo textiles (see accessories)
- Electronic recording of measurement data

#### Technical Data

| Type               |            | 300F USB                      | 600F USB                      |
|--------------------|------------|-------------------------------|-------------------------------|
| Voltage            | V~         | 230                           | 230                           |
| Power              | W          | 200                           | 200                           |
| Tensile load       | lbs        | 899                           | 899                           |
| Jaw spacing        | inches     | 0.2 – 11.8                    | 0.2 – 23.6                    |
| Range              | inches     | 11.8                          | 23.6                          |
| Test speed         | inches/min | 0.8 – 21.6                    | 0.8 – 21.6                    |
| Sample thickness   | mil        | max. 276                      | max. 276                      |
| Sample width       | inches     | max. 1.6<br>(2.4 optional)    | max. 1.6<br>(2.4 optional)    |
| Size (L × W × H)   | inches     | 29 × 11 × 7<br>(storage case) | 41 × 11 × 7<br>(storage case) |
| Weight             | lbs        | 30.8                          | 38.6                          |
| Conformity mark    |            | CE                            | CE                            |
| Protection class I |            | ⊕                             | ⊕                             |

#### Article No.:

- 139.063 EXAMO 600F USB, 120 V / 200 W, incl. USB memory stick, without plug  
 139.059 EXAMO 300F USB, 230 V / 200 W, incl. USB memory stick, Euro plug

### Accessories EXAMO 300F USB, 600F USB

|                                                                                      |                                                                                              |
|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
|    | <b>108.185</b> Jaw kit 2.36 inches (60 mm) for geotextiles, includes two pairs of jaws       |
|    | <b>144.416</b> USB Memory-stick                                                              |
|   | <b>161.540</b> COUPON CUTTER 500, for standard-compliant specimens: 0.6/0.8/1.0 × 5.9 inches |
|  | <b>160.576</b> Cutting plate                                                                 |
|  | <b>137.855</b> Leister cutter with four spare blades                                         |
|  | <b>138.902</b> Hooked blade for LEISTER-cutter (10 dispenser with 10 pcs=100 pcs)            |
|  | <b>138.539</b> Straight-edge blade for LEISTER-cutter (10 dispenser with 10 pcs = 100 pcs)   |
|   | <b>163.140</b> MEMBRANE PULLER<br>Pull handle for membranes<br>0.04 – 0.12 inches            |

# VACUUM PUMP / VACUUM BOX: Fast and reliable

The simple, safe and non-destructive way to test the tightness of overlap weld seams, using the Leister VACUUM BOX/BELL. Soapy water is applied to the welding zone to be checked. After connection to the VACUUM PUMP, a vacuum is generated above the zone with the VACUUM BOX/BELL. Thanks to its generous dimensions, and the practical drain valve, even longer weld seams can be tested quickly and reliably.

## Testing instruments

### VACUUM BELL



- Simple and precise tightness testing
- Round structural form, ideal for details and uneven surfaces.
- Manometer bar/psi

## Testing instruments

### VACUUM BOX



- Large testing area
- Simple handling
- Clear arrangement of the fittings
- Manometer bar/psi

## Testing instruments

### VACUUM PUMP



- Durable VACUUM PUMP
- Perfectly packaged and handy
- Flexible, robust hose

#### Article No.:

153.026 VACUUM BELL 12.6 × 12.6 inches (320 × 320 mm)

152.981 VACUUM BOX 32" × 12" × 6" (830 × 320 × 150 mm)

153.024 VACUUM PUMP 230V

153.025 VACUUM PUMP 120V

Caution: The complete testing system is made up from a combination of one VACUUM BOX or VACUUM BELL to be operated with one VACUUM PUMP.

Included with purchase: VACUUM-BELL and VACUUM-BOX with equipment case  
Included with purchase VACUUM PUMP: equipment case, air hose



# Compressed air testing device

The reliable and handy compressed air testing device from Leister is the perfect solution for testing the tightness of double tap seams with test channels. The revised model now offers even more reliable results – not only during operation but also for the discovery of leaks.



Testing the leak-tightness of lap seams with test channel.

Testing instrument

## Compressed air testing device with thin test needle



- Thin, flexible needle
- Simple and precise tightness testing
- High user safety through hand and needle protection
- Manometer with bar and psi scale
- Practical device case



Manometer standard (bar/psi)

Article No.:

142.475 Flexible injection needle with manometer

Included with purchase: Compressed air tester, storage case, spare seals, operating instructions

Testing instrument

## Compressed air testing device with thick test needle



- Very strong, tapered needle
- Simple and precise tightness testing
- High user safety through hand and needle protection
- Manometer with bar and psi scale
- Practical device case



Manometer ASTM (psi/kPa)

Article No.:

150.720 Tapered injection needle with manometer (standard)

158.374 Tapered injection needle with manometer PSI (ASTM)

Included with purchase: Compressed air tester, storage case, spare seals, operating instructions

## Accessories



142.569 Flexible spare needle (not for USA)



150.142 Tapered Spare needle (fits also to 142.475)







Air purification system, Spain. Material: HDPE



The Wave House, San Diego. Material: PVC



Electroplating tank, Turkey. Material: PP

## Plastic Fabrication

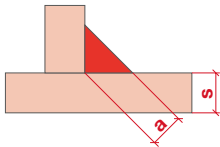
|                                       |           |
|---------------------------------------|-----------|
| Overview of extrusion welders         | 94        |
| FUSION 1                              | 96 / 97   |
| WELDPLAST S6                          | 98        |
| WELDPLAST S4                          | 99        |
| WELDPLAST S2 / S2 PVC                 | 100 / 101 |
| WELDPLAST 1                           | 102       |
| FUSION 3 / 3C                         | 103 / 104 |
| FUSION 2                              | 105       |
| WELDPLAST 200-i / 600-i               | 106 / 107 |
| General accessories extrusion welders | 108       |
| Welding rods                          | 109       |

## Hot-Air Hand Tools

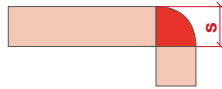
|                               |         |
|-------------------------------|---------|
| TRIAC ST                      | 12 – 15 |
| TRIAC AT                      | 13 – 15 |
| HOT JET S                     | 18 / 19 |
| AIRSTREAM ST                  | 28 / 29 |
| ROBUST                        | 30      |
| WELDING PEN R / WELDING PEN S | 31      |
| DIODE PID / DIODE S           | 32 / 33 |
| MINOR                         | 33      |
| LABOR S                       | 34      |
| General accessories           | 36 / 37 |

## Possibilities of welding seams

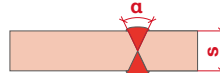
a = seam size s = material thickness α = milling angle



Fillet welding seam



Corner outside seam



X-seam

$$s = \frac{13}{32}'' - 1 \frac{19}{32}'' = \alpha 60^\circ$$

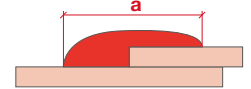
$$s = 2'' - 2 \frac{13}{32}'' = \alpha 50^\circ$$



V-seam

$$s = \frac{3}{16}'' - \frac{13}{16}'' = \alpha 60^\circ$$

$$s = 1'' - 1 \frac{3}{16}'' = \alpha 50^\circ$$



Overlap seam

## Product comparison

|                               | Digitally-regulated extrusion welders                                                  |                                                                                   |                                                                                   |                                                                                    | Analog extrusion welders                                                            |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                               |       |  |  |  |  |  |  |  |
| Device type                   | WELDPLAST S6                                                                           | WELDPLAST S4                                                                      | WELDPLAST S2                                                                      | WELDPLAST S1                                                                       | FUSION 3                                                                            | FUSION 3C                                                                           | FUSION 2                                                                            | FUSION 1                                                                            |
| Output (HDPE) lbs/hr          | 8.6 – 13.2                                                                             | 3.3 – 8.8                                                                         | 1.3 – 5.0                                                                         | 0.4 – 1.8                                                                          | 3.5 – 7.7                                                                           | 3.5 – 7.7                                                                           | 2.9 – 4.0                                                                           | 0.6 – 1.7                                                                           |
| Material                      | HDPE, PP                                                                               | HDPE, PP                                                                          | HDPE, PP, PVC                                                                     | PE, PP, PVC, etc.                                                                  | HDPE, PP                                                                            | HDPE, PP                                                                            | HDPE, PP                                                                            | PE, PP                                                                              |
| Wall thickness inches         | $\frac{19}{32} - 1 \frac{19}{32}$                                                      | $\frac{5}{16} - 1 \frac{13}{32}$                                                  | $\frac{5}{32} - \frac{13}{16}$                                                    | $\frac{5}{32} - \frac{13}{32}$                                                     | $\frac{5}{16} - 1$                                                                  | $\frac{5}{16} - 1$                                                                  | $\frac{1}{4} - \frac{19}{32}$                                                       | $\frac{5}{32} - \frac{13}{32}$                                                      |
| Welding rod Ø inches          | $\frac{5}{32} - \frac{3}{16}$                                                          | $\frac{1}{8} - \frac{5}{32} / \frac{5}{32} - \frac{3}{16}$                        | $\frac{1}{8} - \frac{5}{32}$                                                      | $\frac{1}{8} - \frac{5}{32}$                                                       | $\frac{1}{8} - \frac{5}{32} / \frac{5}{32} - \frac{3}{16}$                          | $\frac{5}{32} - \frac{3}{16}$                                                       | $\frac{3}{16}$                                                                      | $\frac{1}{8}$ or $\frac{5}{32}$                                                     |
| Weight lbs                    | 31                                                                                     | 18                                                                                | 13                                                                                | 10                                                                                 | 16                                                                                  | 15                                                                                  | 13                                                                                  | 7.5                                                                                 |
| Length inches                 | 32                                                                                     | 22                                                                                | 18                                                                                | 17                                                                                 | 27                                                                                  | 23                                                                                  | 18                                                                                  | 17                                                                                  |
| Voltage V~                    | 230                                                                                    | 230                                                                               | 230                                                                               | 120 / 230                                                                          | 230                                                                                 | 230                                                                                 | 230                                                                                 | 120                                                                                 |
| Screw extruder                | yes                                                                                    | yes                                                                               | yes                                                                               | yes                                                                                | yes                                                                                 | yes                                                                                 | yes                                                                                 | yes                                                                                 |
| Container construction        | ✓✓                                                                                     | ✓✓                                                                                | ✓✓                                                                                | ✓✓                                                                                 | ✓✓                                                                                  | ✓✓                                                                                  | ✓✓                                                                                  | ✓✓                                                                                  |
| Pipeline construction         | ✓✓                                                                                     | ✓✓                                                                                | ✓✓                                                                                | ✓✓                                                                                 | ✓✓                                                                                  | ✓✓                                                                                  | ✓✓                                                                                  | ✓✓                                                                                  |
| Landfills / civil engineering | ✓✓                                                                                     | ✓✓                                                                                | ✓                                                                                 | ○                                                                                  | ✓✓                                                                                  | ✓                                                                                   | ○                                                                                   | ○                                                                                   |
| Brushless blower              | yes                                                                                    | yes                                                                               | yes                                                                               | yes                                                                                | no                                                                                  | no                                                                                  | no                                                                                  | no                                                                                  |
| Remarks                       | 1                                                                                      | 1                                                                                 | 1                                                                                 | 1                                                                                  | 2                                                                                   | 2                                                                                   | 2                                                                                   | 3                                                                                   |
| Catalog page                  |  98 | 99                                                                                | 100 / 101                                                                         | 102                                                                                | 103 / 104                                                                           | 103 / 104                                                                           | 105                                                                                 | 96 / 97                                                                             |

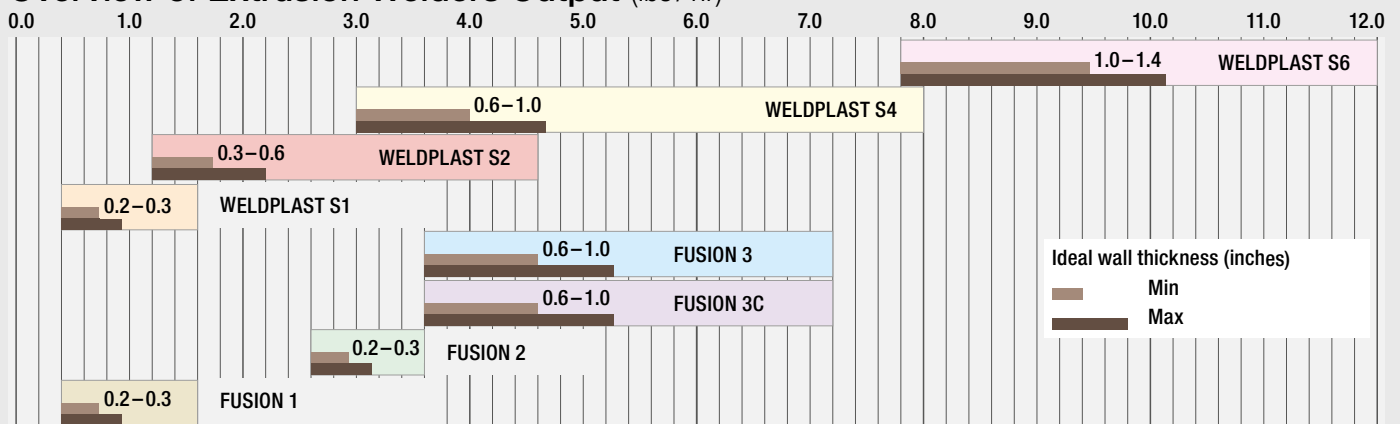
✓✓ very suitable ✓ suitable ○ unsuitable

1: Air and Plast temperatures electronically controlled with integrated display.

2: Hot air heated extruder temperature controlled manually.

3: Warm air heated extruder, air temperature electronically controlled with integrated display.

## Overview of Extrusion Welders Output (lbs/hr)







# Ingeniously simple – FUSION 1

Your satisfaction is our goal. Which is why we are developing welding devices to meet your requests and requirements. And with the usual LEISTER quality, of course. The reduced design of the FUSION 1 offers increased maneuverability when welding. Flexibility guarantees an optimally mountable handle. Ingeniously simple extrusion welding – FUSION 1.

Digitally regulated extrusion welder

## FUSION 1

|   |                                                                                     |                                                                                   |
|---|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 1 |    | <b>Rod shape:</b><br>Reduced design for increased maneuverability in small spaces |
| 2 |    | <b>Double-sided wire intake:</b><br>For more flexibility when welding             |
| 3 |   | <b>LED light:</b><br>To illuminate the welding area                               |
| 4 |  | <b>Handle:</b><br>Can be mounted for one-handed welding                           |





FUSION 1 – More flexibility during welding thanks to its slim design.

Digitally regulated extrusion welder

## FUSION 1



- **Controlled:** Automatically controlled air temperature
- **Suspension device:** Effortlessly weld longer by hanging up the device
- **Compact and slimline:** Thanks to integrated air guide

### Technical data

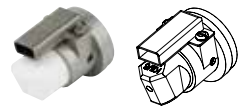
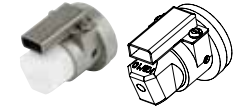
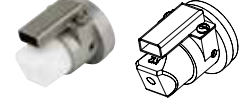
|                     |        |                                           |
|---------------------|--------|-------------------------------------------|
| Voltage             | V~     | 120                                       |
| Power               | W      | 1450                                      |
| Materials           |        | PE, PP                                    |
| Welding rod Ø       | inches | 1/8 or 5/32 (3 or 4 mm)                   |
| Output Ø 3 HD-PE    | lbs/hr | 0.6 – 1.0                                 |
| Output Ø 4 HD-PE    | lbs/hr | 0.7 – 1.7                                 |
| Size (L × B × H)    | inches | 17.16 × 3.62 × 5.24<br>(9.29 with handle) |
| Weight              | lbs    | 7.5                                       |
| Conformity marking  |        | CE                                        |
| Protection class II |        | □                                         |

### Article No.:

|         |                                               |
|---------|-----------------------------------------------|
| 162.799 | FUSION 1, 120 V / 1450 W, US-plug             |
| 162.800 | FUSION 1, 230 V / 1200 W, Euro-plug           |
| 163.165 | FUSION 1, 230 V / 1200 W, Industrial CEE-plug |

Included with purchase: FUSION 1, case, welding shoe, Allen key, instruction manual, handle

## Accessories FUSION 1

|                                                                                      |                                              |
|--------------------------------------------------------------------------------------|----------------------------------------------|
|    | <b>163.793</b> Welding shoe CL14 IA          |
|    | <b>163.778</b> Welding shoe K5/6 IA          |
|    | <b>163.780</b> Welding shoe K8/10 IA         |
|  | <b>163.779</b> Welding shoe K12 IA           |
|  | <b>163.782</b> Angled welding shoe AK-10 70° |
|  | <b>163.784</b> Angled welding shoe AK-10 30° |
|  | <b>163.785</b> Angled welding shoe AV-10 30° |
|  | <b>163.786</b> Welding shoe Rohling IA       |
|  | <b>162.665</b> Insulation sleeve             |

# WELDPLAST S6: The workhorse

WELDPLAST S6 is the highest rated handheld extrusion welder. With an output of 13 lbs/hr, it is surprisingly maneuverable. It features a brushless, preheated motor, multifunction display and comfortable ergo-grip, making the S6 Leister's flagship extrusion welder.



The WELDPLAST S6 is guided easily with the practical control wheel grip.

Digitally regulated extrusion welder

## WELDPLAST S6



- 13 lbs/hr output
- Highest possible preheating capacity
- Adjustable control wheel
- Maintenance-free hot-air blower
- Multifunctional display

### Technical Data

|                    |             |                                                          |
|--------------------|-------------|----------------------------------------------------------|
| Voltage            | V~          | 230                                                      |
| Power              | W           | 4600                                                     |
| Material           |             | PE / PP                                                  |
| Welding rod        | inches (mm) | $\varnothing \frac{5}{32}$ or $\frac{3}{16}$ (4 or 5 mm) |
| Output             | lbs/hr      | 8.6 – 13.2                                               |
| Size (L x W x H)   | inches      | 33 x 5 x 10                                              |
| Weight             | lbs         | 31                                                       |
| Conformity mark    |             | CE                                                       |
| Protection class I |             | ⚡                                                        |

### Article No.:

134.318 WELDPLAST S6, 230 V / 4600 W, Industrial CEE-plug 32A

Included with purchase: WELDPLAST S6, overlap welding shoe, storage case

## Accessories WELDPLAST S6

| Welding shoe complete       |                                                   |
|-----------------------------|---------------------------------------------------|
| 146.239                     | 2 1/8" x 1 9/16" x 2 1/16" blank shoe             |
| 146.240                     | 2 29/32" x 2" x 2 9/32" blank welding shoe        |
| 146.241                     | 1" (25 mm) overlap                                |
| 146.706                     | 1 3/16" (30 mm) overlap                           |
| 146.242                     | 1 3/8" (35 mm) overlap                            |
| 145.899                     | 1 9/16" (40 mm) overlap                           |
| 146.245                     | 25/32" (20 mm) V-seam                             |
| 146.246                     | 1" (25 mm) V-seam                                 |
| 146.247                     | 1 3/16" (30 mm) V-seam                            |
| 146.232                     | 25/32" fillet weld seam (a = 9/16"*)              |
| 146.233                     | 1" fillet weld seam (a = 11/16"*)                 |
| 146.234                     | 1 3/16" fillet weld seam (a = 13/16"*)            |
| 146.644                     | Corner outside seam 13/32" (10 mm)                |
| 146.646                     | Corner outside seam 15/32" (12 mm)                |
| 146.652                     | Corner outside seam 19/32" (15 mm)                |
| 146.230                     | Corner seam $\varnothing \frac{9}{16}$ " (14 mm)  |
| 146.218                     | Corner seam $\varnothing \frac{19}{32}$ " (15 mm) |
| *a = Welding seam thickness |                                                   |
| 117.055                     | 1 3/8" (35 mm) preheating nozzle, large           |
| 136.859                     | 2" (50 mm) preheating nozzle, XL                  |
| 117.790                     | Side hot-air guide                                |
| 149.744                     | Insulation sleeve / heat blanket WELDPLAST S6     |

General accessories





# WELDPLAST S4: The workmate

The WELDPLAST S4 is the first extrusion welder of its kind with a brushless, maintenance-free motor for generating preheated air. Output, of up to 8.8 lbs/hr, is possible thanks to the S4's powerful drive system.



The powerful WELDPLAST S4 in use.

Digitally-regulated extrusion welder

## WELDPLAST S4



- Compact housing design reduces noise and guarantees optimal cooling for the electronics and drive.
- Microprocessor regulates the welding process and monitors the tool
- Menu with function programs
- Dual-sided, twist-free wire intake
- Maintenance-free blower

### Technical Data

|                    |             |                                                                                                            |
|--------------------|-------------|------------------------------------------------------------------------------------------------------------|
| Voltage            | V~          | 230                                                                                                        |
| Power              | W           | 3680                                                                                                       |
| Material           |             | PE / PP                                                                                                    |
| Welding rod        | inches (mm) | $\varnothing \frac{1}{8} - \frac{5}{32}$ (3 – 4 mm) / $\varnothing \frac{5}{32} - \frac{3}{16}$ (4 – 5 mm) |
| Output             | lbs/hr      | 4.9 – 8.8                                                                                                  |
| Size (L x W x H)   | inches      | 22 x 4 x 12                                                                                                |
| Weight             | lbs         | 18                                                                                                         |
| Conformity mark    |             | CE                                                                                                         |
| Protection class I |             | ⊕                                                                                                          |

### Article No.:

116.948 WELDPLAST S4, 230 V / 3680 W,  $\varnothing \frac{1}{8} - \frac{5}{32}$ " (3 – 4 mm), Euro plug, blank welding shoe  
 146.813 WELDPLAST S4, 230 V / 3680 W,  $\varnothing \frac{5}{32} - \frac{3}{16}$ " (4 – 5 mm), Euro plug, welding shoe K 15  
 Included with purchase: WELDPLAST S4, preheating nozzle large, medium and small, storage case

## Accessories WELDPLAST S4

|                                                                                      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |    | <b>Welding shoe complete</b>                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                      |                                                                                      | <b>146.239</b> 2 $\frac{1}{8}$ " x 1 $\frac{9}{16}$ " x 2 $\frac{1}{16}$ " blank shoe<br><b>146.240</b> 2 $\frac{29}{32}$ " x 2" x 2 $\frac{9}{32}$ " blank welding shoe                                                                                                                                                                                                           |
|     |    | <b>146.241</b> 1" (25 mm) overlap<br><b>146.706</b> 1 $\frac{3}{4}$ " (30 mm) overlap<br><b>146.242</b> 1 $\frac{3}{8}$ " (35 mm) overlap<br><b>145.899</b> 1 $\frac{9}{16}$ " (40 mm) overlap                                                                                                                                                                                     |
|                                                                                      |                                                                                      | <b>146.243</b> $\frac{15}{32}$ " (12 mm) V-seam<br><b>146.244</b> $\frac{19}{32}$ " (15 mm) V-seam<br><b>146.245</b> $\frac{25}{32}$ " (20 mm) V-seam<br><b>146.246</b> 1" (25 mm) V-seam<br><b>146.247</b> 1 $\frac{3}{16}$ " (30 mm) V-seam                                                                                                                                      |
|    |   | <b>146.525</b> $\frac{15}{32}$ " fillet weld seam (a = $\frac{5}{16}$ "*)<br><b>146.231</b> $\frac{19}{32}$ " fillet weld seam (a = $\frac{13}{32}$ "*)<br><b>146.232</b> $\frac{25}{32}$ " fillet weld seam (a = $\frac{9}{16}$ "*)<br><b>146.233</b> 1" fillet weld seam (a = $\frac{11}{16}$ "*)<br><b>146.234</b> 1 $\frac{3}{16}$ " fillet weld seam (a = $\frac{13}{16}$ "*) |
|                                                                                      |                                                                                      | <b>146.642</b> Corner outside seam $\frac{5}{16}$ " (8 mm)<br><b>146.644</b> Corner outside seam $\frac{13}{32}$ " (10 mm)<br><b>146.646</b> Corner outside seam $\frac{15}{32}$ " (12 mm)<br><b>146.652</b> Corner outside seam $\frac{19}{32}$ " (15 mm)                                                                                                                         |
|   |  | <b>146.230</b> Corner seam $\varnothing \frac{15}{32}$ " (12 mm)<br><b>146.218</b> Corner seam $\varnothing \frac{25}{32}$ " (20 mm)                                                                                                                                                                                                                                               |
|                                                                                      |                                                                                      | * a = Welding seam thickness                                                                                                                                                                                                                                                                                                                                                       |
|  |                                                                                      | <b>144.904</b> Angled adapter 45°<br><b>145.704</b> Angled adapter 90°<br>Caution: You must use welding shoes with an integrated air guide for this.                                                                                                                                                                                                                               |
|                                                                                      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                    |
|   |                                                                                      | <b>117.064</b> Side hot-air guide<br><b>117.065</b> Top hot-air guide                                                                                                                                                                                                                                                                                                              |
|                                                                                      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                    |
|   |                                                                                      | Preheating nozzle<br><b>117.053</b> Small $\frac{25}{32}$ " (20 mm)<br><b>117.518</b> Medium 1" (25 mm)<br><b>141.177</b> Large 1 $\frac{3}{8}$ " (35 mm)                                                                                                                                                                                                                          |
|                                                                                      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                    |
|   |                                                                                      | <b>149.723</b> Insulation sleeve / heat blanket WELDPLAST S4                                                                                                                                                                                                                                                                                                                       |
|                                                                                      |                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                    |

# WELDPLAST S2 / S2 PVC: The masterpieces

WELDPLAST S2 and S2 PVC are masterpieces of modern technology. While externally, they fulfill the highest requirements of functionality and design, their interior satisfies the highest expectations concerning the material to be processed. The WELSDPLAST S2 PVC has integrated corrosion protection and has been especially designed to satisfy the high requirements of PVC extrusion welding. Their perfect seam quality makes both—WELDPLAST S2 and S2 PVC—reliable partners for today and tomorrow.

Digitally-regulated extrusion welder

## WELDPLAST S2



- Maintenance-free blower
- Perfect weld seam quality
- Multifunctional display
- Ergonomic and handy
- Highly used worldwide worldwide

### Technical Data

|                       |                                       |                                |
|-----------------------|---------------------------------------|--------------------------------|
| Voltage               | V~                                    | 230                            |
| Power                 | W                                     | 3000                           |
| Material              | PE / PP<br>Other materials on request |                                |
| Welding rod           | inches (mm)                           | Ø 1/8" – 5/32" (3 – 4 mm)      |
| Output Ø 1/8" (3 mm)  | lbs/hr                                | PE: 1.3 – 2.9   PP: 1.1 – 2.65 |
| Output Ø 5/32" (4 mm) | lbs/hr                                | PE: 2.2 – 4.4   PP: 2.0 – 4.4  |
| Size (L x W x H)      | inches                                | 18 x 4 x 10                    |
| Weight                | lbs                                   | 13                             |
| Conformity mark       | CE                                    |                                |
| Protection class I    | ⊕                                     |                                |

### Article No.:

127.215 WELDPLAST S2, 230 V / 3000 W, Euro plug  
156.131 WELDPLAST S2, 230 V / 3000 W, Industrial CEE-plug

Included with purchase: WELDPLAST S2, welding shoe raw part, storage case

Digitally-regulated extrusion welder

## WELDPLAST S2 PVC



- Optimized for PVC-U
- Perfect weld seam quality
- PVC-specific extrusion menu
- Corrosion protection
- Standby mode

### Technical Data

|                       |                                             |                                  |
|-----------------------|---------------------------------------------|----------------------------------|
| Voltage               | V~                                          | 230                              |
| Power                 | W                                           | 3000                             |
| Material              | PVC-U, PE, PP<br>Other materials on request |                                  |
| Welding rod           | inches (mm)                                 | Ø 1/8" – 5/32" (3 – 4 mm)        |
| Output Ø 1/8" (3 mm)  | lbs/hr                                      | PVC-U: 0.9 – 1.7   PE: 0.6 – 1.3 |
| Output Ø 5/32" (4 mm) | lbs/hr                                      | PVC-U: 1.5 – 2.7   PE: 1.0 – 2.3 |
| Size (L x W x H)      | inches                                      | 18x 4x 10                        |
| Weight                | lbs                                         | 13                               |
| Conformity mark       | CE                                          |                                  |
| Protection class I    | ⊕                                           |                                  |

### Article No.:

135.724 WELDPLAST S2 PVC, 230 V / 3000 W, Euro plug  
156.804 WELDPLAST S2 PVC, 230 V / 3000 W, Industrial CEE-plug

Included with purchase: WELDPLAST S2 PVC, 3 preheat nozzles, welding shoe K-8/10 (5/16" / 13/32") (Art. no. 146.236), storage case



The handy WELDPLAST S2 in action.



Easy welding of contours.

## Accessories WELDPLAST S2

| Welding shoe complete        |                                                                                                      |
|------------------------------|------------------------------------------------------------------------------------------------------|
|                              | <b>145.945</b> 1 $\frac{25}{32}$ " $\times$ 1 $\frac{3}{16}$ " $\times$ 2 $\frac{1}{8}$ " blank shoe |
|                              | <b>145.946</b> 2 $\frac{29}{32}$ " $\times$ 2" $\times$ 2 $\frac{9}{32}$ " blank welding shoe        |
|                              | <b>145.896</b> 1" (25 mm) overlap                                                                    |
|                              | <b>145.947</b> 1 $\frac{3}{16}$ " (30 mm) overlap                                                    |
|                              | <b>145.897</b> 1 $\frac{3}{8}$ " (35 mm) overlap                                                     |
|                              | <b>145.912</b> $\frac{3}{16}$ " / $\frac{1}{4}$ " (5 / 6 mm) V-seam                                  |
|                              | <b>145.915</b> $\frac{5}{16}$ " / $\frac{13}{32}$ " (8 / 10 mm) V-seam                               |
|                              | <b>145.907</b> $\frac{15}{32}$ " (12 mm) V-seam                                                      |
|                              | <b>145.903</b> $\frac{19}{32}$ " (15 mm) V-seam                                                      |
|                              | <b>145.909</b> $\frac{25}{32}$ " (20 mm) V-seam                                                      |
|                              | <b>145.916</b> 1" (25 mm) V-seam                                                                     |
|                              | <b>145.943</b> $\frac{3}{16}$ " / $\frac{1}{4}$ " fillet weld ( $a = \frac{5}{32}$ "*)               |
|                              | <b>145.944</b> $\frac{5}{16}$ " / $\frac{13}{32}$ " fillet weld ( $a = \frac{9}{32}$ "*)             |
|                              | <b>145.815</b> $\frac{15}{32}$ " fillet weld ( $a = \frac{5}{16}$ "*)                                |
|                              | <b>145.812</b> $\frac{19}{32}$ " fillet weld ( $a = \frac{13}{32}$ "*)                               |
|                              | <b>145.940</b> $\frac{25}{32}$ " fillet weld ( $a = \frac{9}{16}$ "*)                                |
|                              | <b>145.816</b> 1" fillet weld ( $a = \frac{11}{16}$ "*)                                              |
|                              | <b>146.643</b> Corner outside seam $\frac{5}{16}$ " (8 mm)                                           |
|                              | <b>146.645</b> Corner outside seam $\frac{13}{32}$ " (10 mm)                                         |
|                              | <b>146.649</b> Corner outside seam $\frac{15}{32}$ " (12 mm)                                         |
|                              | <b>146.651</b> Corner outside seam $\frac{19}{32}$ " (15 mm)                                         |
|                              | <b>145.811</b> Corner seam $\varnothing \frac{9}{16}$ " (14 mm)                                      |
|                              | <b>145.488</b> Corner seam $\varnothing \frac{25}{32}$ " (20 mm)                                     |
| * a = Welding seam thickness |                                                                                                      |
|                              | <b>139.460</b> 45° angled adapter                                                                    |
|                              | <b>139.461</b> 90° angled adapter                                                                    |
|                              | <b>154.002</b> Insulation sleeve / heat blanket WELDPLAST S2                                         |
|                              | <b>161.119</b> Support clamp WELDPLAST S2                                                            |



With the WELDPLAST S2 perfect welds are possible

## Accessories WELDPLAST S2 PVC

| Welding shoe complete        |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
|                              | <b>146.239</b> 2 $\frac{1}{8}$ " $\times$ 1 $\frac{9}{16}$ " $\times$ 2 $\frac{1}{16}$ " blank shoe |
|                              | <b>146.240</b> 2 $\frac{29}{32}$ " $\times$ 2" $\times$ 2 $\frac{9}{32}$ " blank shoe               |
|                              | <b>146.241</b> 1" (25 mm) overlap                                                                   |
|                              | <b>146.706</b> 1 $\frac{3}{16}$ " (30 mm) overlap                                                   |
|                              | <b>146.242</b> 1 $\frac{3}{8}$ " (35 mm) overlap                                                    |
|                              | <b>146.248</b> $\frac{3}{16}$ " / $\frac{1}{4}$ " (5 / 6 mm) V-seam                                 |
|                              | <b>146.249</b> $\frac{5}{16}$ " / $\frac{13}{32}$ " (8 / 10 mm) V-seam                              |
|                              | <b>146.243</b> $\frac{15}{32}$ " (12 mm) V-seam                                                     |
|                              | <b>146.244</b> $\frac{19}{32}$ " (15 mm) V-seam                                                     |
|                              | <b>146.235</b> $\frac{3}{16}$ " / $\frac{1}{4}$ " fillet weld seam ( $a = \frac{5}{32}$ "*)         |
|                              | <b>146.236</b> $\frac{5}{16}$ " / $\frac{13}{32}$ " fillet weld seam ( $a = \frac{9}{32}$ "*)       |
|                              | <b>146.525</b> $\frac{15}{32}$ " fillet weld seam ( $a = \frac{5}{16}$ "*)                          |
|                              | <b>146.231</b> $\frac{19}{32}$ " fillet weld seam ( $a = \frac{13}{32}$ "*)                         |
|                              | <b>146.642</b> Corner outside seam $\frac{5}{16}$ " (8 mm)                                          |
|                              | <b>146.644</b> Corner outside seam $\frac{13}{32}$ " (10 mm)                                        |
|                              | <b>146.646</b> Corner outside seam $\frac{15}{32}$ " (12 mm)                                        |
|                              | <b>146.652</b> Corner outside seam $\frac{19}{32}$ " (15 mm)                                        |
|                              | <b>146.230</b> Corner seam $\varnothing \frac{9}{16}$ " (14 mm)                                     |
|                              | <b>146.218</b> Corner seam $\varnothing \frac{25}{32}$ " (20 mm)                                    |
| * a = Welding seam thickness |                                                                                                     |
|                              | <b>133.850</b> Top hot-air guide                                                                    |



The 45° angled adapter for the WELDPLAST S2 facilitates welding in difficult positions. (accessory)

General accessories 108

# WELDPLAST S1: Outstandingly compact

With the new WELDPLAST S1 compact extruder, you can achieve perfect seam quality



Unattainable is weldable with the new 45° and 90° angled adapters.

Digitally regulated extrusion welder

## WELDPLAST S1



- Functional, ergonomic design with comfort grip areas
- Equipment-class-leading output power of 1.76 lbs/hr (HDPE)
- Integrated LED lighting and hanging point
- Can work with all typical kinds of plastic
- Multifunction panel with predefined welding parameters
- BL blower, adjustable air volume

### Technical Data

|                             |             |                                                                 |
|-----------------------------|-------------|-----------------------------------------------------------------|
| Voltage                     | V~          | 230 / 120 / 100                                                 |
| Power                       | W           | 1600 / 1800 / 1500                                              |
| Material                    |             | HD-PE, LD-PE, PP, PVC-U<br>PVC-C, PVDF, ECTFE, PA               |
| Welding rod                 | inches (mm) | Ø 1/8" or 5/32" (3 or 4 mm)                                     |
| Output                      | lbs/hr      | 0.44 – 1.76 (PVC up to 2.53 lbs/hr)                             |
| Size (L x W x H)            | inches      | 17 x 4 x 10                                                     |
| Integrated welding profiles |             | HD-PE, PP, PVC-U, PVC-C, PVDF<br>10 free profile storage spaces |
| Weight                      | lbs         | 10                                                              |
| Conformity mark             |             | CE                                                              |
| Protection class I          |             | ⊕                                                               |

### Article No.:

- 148.396 WELDPLAST S1, 230 V / 1600 W, Ø 1/8" – 5/32" (3 – 4 mm), Euro plug  
148.395 WELDPLAST S1, 120 V / 1800 W, Ø 1/8" – 5/32" (3 – 4 mm), without plug

Included with purchase: WELDPLAST S1, quick guide, 4 pre-heating nozzles Ø 9/16" (14 mm), K10 welding shoe, storage case

## Accessories WELDPLAST S1

|  |                |                                                              |
|--|----------------|--------------------------------------------------------------|
|  | <b>149.430</b> | <b>Welding shoe complete</b><br>Blank                        |
|  | <b>149.402</b> | 3/16" / 1/4" (5 / 6 mm) fillet weld                          |
|  | <b>148.627</b> | 5/16" / 13/32" (8 / 10 mm) fillet weld                       |
|  | <b>149.401</b> | 15/32" (12 mm) fillet weld                                   |
|  | <b>149.388</b> | 1/8" / 5/32" (3 / 4 mm) V-seam                               |
|  | <b>149.383</b> | 3/16" / 1/4" (5 / 6 mm) V-seam                               |
|  | <b>149.385</b> | 5/16" / 13/32" (8 / 10 mm) V-seam                            |
|  | <b>149.364</b> | Corner<br>For additional welding shoes, see Weldplast S2 PVC |
|  | <b>152.720</b> | Nozzle extension                                             |
|  | <b>153.143</b> | Angled adapter 45°                                           |
|  | <b>153.236</b> | Angled adapter 90°                                           |
|  | <b>149.600</b> | Top hot-air guide                                            |
|  | <b>149.456</b> | Hot-air tube, position 6h Ø 9/16" (14 mm)                    |
|  | <b>149.461</b> | Hot-air tube, position 6h Ø 5/8" (16 mm)                     |
|  | <b>149.467</b> | Hot-air tube, position 9h/3h Ø 9/16" (14 mm), standard       |
|  | <b>149.469</b> | Hot-air tube, position 9h/3h Ø 5/8" (16 mm)                  |
|  | <b>154.107</b> | Air nozzle set Ø 9/16" (14 mm), standard                     |
|  | <b>154.106</b> | Air nozzle set Ø 5/8" (16 mm)                                |
|  | <b>154.002</b> | Insulation sleeve WELDPLAST S1/S2                            |

General accessories





# FUSION 3: Long and slim

With its long and narrow shape, the FUSION 3 enables comfortable work, even on the floor.

# FUSION 3C: Short and handy

The somewhat shorter FUSION 3C provides an astounding output volume of up to 8 lbs per hour.

Analog extrusion welder

## FUSION 3



- High-quality welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Simple operation
- Dual-sided twist-free wire intake
- 360° rotating welding shoe

Analog extrusion welder

## FUSION 3C



- High-quality welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Simple operation
- Dual-sided, twist-free wire intake
- 360° rotating welding shoe

| Technical Data      |        | Version Ø          |           | Version Ø             |           |
|---------------------|--------|--------------------|-----------|-----------------------|-----------|
|                     |        | 1/8 – 5/32 (3-4mm) |           | 5/32 – 3/16 (4 – 5mm) |           |
| Welding rod Ø       | inches | 1/8                | 5/32      | 5/32                  | 3/16      |
| Output PE           | lbs/hr | 4.4 – 5.5          | 5.9 – 7.9 | 4.6 – 5.7             | 5.9 – 7.9 |
| Output PP           | lbs/hr | 4.0 – 5.0          | 5.5 – 7.5 | 4.0 – 5.3             | 5.5 – 7.5 |
| Voltage             | V~     | 230                |           |                       |           |
| Power               | W      | 3500               |           |                       |           |
| Material            |        | PE / PP            |           |                       |           |
| Size (L x W x H)    | inches | 26 x 4 x 7         |           |                       |           |
| Weight              | lbs    | 16                 |           |                       |           |
| Conformity mark     |        | CE                 |           |                       |           |
| Protection class II |        | □                  |           |                       |           |

### Article No.:

118.300 FUSION 3, 230 V / 3500 W, welding rod Ø 1/8 – 5/32" (3 – 4 mm), Euro plug  
144.615 FUSION 3, 230 V / 3500 W, welding rod Ø 5/32 – 3/16" (4 – 5 mm), Euro plug

Included with purchase: FUSION 3, welding show overlap 1.18 inches, storage case

| Technical Data      |        | Version Ø          |           | Version Ø             |           |
|---------------------|--------|--------------------|-----------|-----------------------|-----------|
|                     |        | 1/8 – 5/32 (3-4mm) |           | 5/32 – 3/16 (4 – 5mm) |           |
| Welding rod Ø       | inches | 1/8                | 5/32      | 5/32                  | 3/16      |
| Output PE           | lbs/hr | 4.4 – 5.5          | 5.9 – 7.9 | 4.6 – 5.7             | 5.9 – 7.9 |
| Output PP           | lbs/hr | 4.0 – 5.0          | 5.5 – 7.5 | 4.0 – 5.3             | 5.5 – 7.5 |
| Voltage             | V~     | 230                |           |                       |           |
| Power               | W      | 3200               |           |                       |           |
| Material            |        | PE / PP            |           |                       |           |
| Size (L x W x H)    | inches | 23 x 4 x 9         |           |                       |           |
| Weight              | lbs    | 15                 |           |                       |           |
| Conformity mark     |        | CE                 |           |                       |           |
| Protection class II |        | □                  |           |                       |           |

### Article No.:

123.866 FUSION 3C, 230 V / 3200 W, welding rod Ø 1/8 – 5/32" (3 – 4 mm), Euro plug  
144.826 FUSION 3C, 230 V / 3200 W, welding rod Ø 5/32 – 3/16" (4 – 5 mm), Euro plug

Included with purchase: FUSION 3C, blank welding shoe, storage case

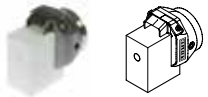
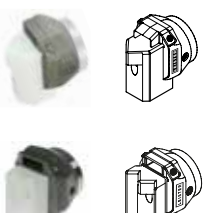
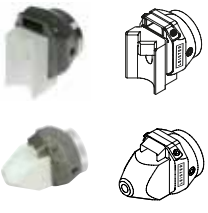


Perfectly stored in the case.



FUSION 3C during the welding of a V-seam.

## Accessories FUSION 3 / 3C

|                                                                                     |                                                                                                      |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|    | <b>Welding shoe complete</b>                                                                         |
|                                                                                     | <b>145.945</b> 1 $\frac{25}{32}$ " $\times$ 1 $\frac{3}{16}$ " $\times$ 2 $\frac{1}{8}$ " blank shoe |
|                                                                                     | <b>145.946</b> 2 $\frac{29}{32}$ " $\times$ 2" $\times$ 2 $\frac{9}{32}$ " blank welding shoe        |
|                                                                                     | <b>145.896</b> 1" (25 mm) overlap                                                                    |
|                                                                                     | <b>145.947</b> 1 $\frac{3}{16}$ " (30 mm) overlap                                                    |
|                                                                                     | <b>145.897</b> 1 $\frac{3}{8}$ " (35 mm) overlap                                                     |
|    | <b>145.912</b> $\frac{3}{16}$ / $\frac{1}{4}$ " (5 / 6 mm) V-seam                                    |
|                                                                                     | <b>145.915</b> $\frac{5}{16}$ / $\frac{13}{32}$ " (8 / 10 mm) V-seam                                 |
|                                                                                     | <b>145.907</b> $\frac{15}{32}$ " (12 mm) V-seam                                                      |
|                                                                                     | <b>145.903</b> $\frac{19}{32}$ " (15 mm) V-seam                                                      |
|                                                                                     | <b>145.909</b> $\frac{25}{32}$ " (20 mm) V-seam                                                      |
|                                                                                     | <b>145.916</b> 1" (25 mm) V-seam                                                                     |
|   | <b>145.943</b> $\frac{3}{16}$ / $\frac{1}{4}$ " fillet weld (a = $\frac{5}{32}$ "*)                  |
|                                                                                     | <b>145.944</b> $\frac{5}{16}$ / $\frac{13}{32}$ " fillet weld (a = $\frac{9}{32}$ "*)                |
|                                                                                     | <b>145.815</b> $\frac{15}{32}$ " fillet weld (a = $\frac{5}{16}$ "*)                                 |
|                                                                                     | <b>145.812</b> $\frac{19}{32}$ " fillet weld (a = $\frac{13}{32}$ "*)                                |
|                                                                                     | <b>145.940</b> $\frac{25}{32}$ " fillet weld (a = $\frac{9}{16}$ "*)                                 |
|                                                                                     | <b>145.816</b> 1" fillet weld (a = $\frac{11}{16}$ "*)                                               |
|  | <b>146.643</b> Corner outside seam $\frac{5}{16}$ " (8 mm)                                           |
|                                                                                     | <b>146.645</b> Corner outside seam $\frac{13}{32}$ " (10 mm)                                         |
|                                                                                     | <b>146.649</b> Corner outside seam $\frac{15}{32}$ " (12 mm)                                         |
|                                                                                     | <b>146.651</b> Corner outside seam $\frac{19}{32}$ " (15 mm)                                         |
|  | <b>145.811</b> Corner seam $\varnothing \frac{9}{16}$ " (14 mm)                                      |
|                                                                                     | <b>145.488</b> Corner seam $\varnothing \frac{25}{32}$ " (20 mm)                                     |
| * a = Welding seam thickness                                                        |                                                                                                      |
|  | <b>148.817</b> 45° angled adapter                                                                    |
|                                                                                     | <b>148.816</b> 90° angled adapter                                                                    |
|  | <b>149.421</b> Insulation sleeve / heat blanket FUSION 3                                             |
|                                                                                     | <b>149.420</b> Insulation sleeve / heat blanket FUSION 3C                                            |

The insulation sleeve, or heat blanket, protects the machine from heat loss, as well as protects the operator from direct contact with the extruder barrel.



# FUSION 2: The small powerhouse

The FUSION 2 convinces with its ergonomic design. The simple operation and first-class welding quality have helped it to become the breakthrough product.



In operation during container construction in China.

Analog extrusion welder

## FUSION 2



- At 18 inches, it is the shortest in its performance class!
- Motor start-up protection prevents cold start
- Simple operation
- Dual-sided, twist-free wire intake
- 360° rotating welding shoe
- Integrated electronics for stepless adjustment of the preheating temperature and output quantity

| Technical Data             |             |               |
|----------------------------|-------------|---------------|
| Voltage                    | V~          | 230 / 120     |
| Power                      | W           | 2800          |
| Material                   |             | PE / PP       |
| Air temperature            | °F          | up to 640     |
| Plastification temperature | °F          | up to 570     |
| Welding rod                | inches (mm) | Ø 5/32 (4 mm) |
| Output PE                  | lbs/hr      | 2.9 – 4.0     |
| Size (L × W × H)           | inches      | 18 × 4 × 10   |
| Weight                     | lbs         | 13            |
| Conformity mark            |             | CE            |
| Protection class II        |             | □             |

### Article No.:

- 150.102 FUSION 2, 120 V / 2800 W, Industrial CEE-plug  
119.200 FUSION 2, 230 V / 2800 W, Euro plug

Included with purchase: FUSION 2, blank welding shoe, storage case

## Accessories FUSION 2

| Welding shoe complete        |                                            |
|------------------------------|--------------------------------------------|
| 145.945                      | 1 25/32" × 1 3/16" × 2 1/8" blank shoe     |
| 145.946                      | 2 29/32" × 2" × 2 9/32" blank welding shoe |
| 145.896                      | 1" (25 mm) overlap                         |
| 145.947                      | 1 3/16" (30 mm) overlap                    |
| 145.897                      | 1 3/8" (35 mm) overlap                     |
| 145.912                      | 3/16" / 1/4" (5 / 6 mm) V-seam             |
| 145.915                      | 5/16" / 13/32" (8 / 10 mm) V-seam          |
| 145.907                      | 15/32" (12 mm) V-seam                      |
| 145.903                      | 19/32" (15 mm) V-seam                      |
| 145.943                      | 3/16" / 1/4" fillet weld (a = 5/32"*)      |
| 145.944                      | 5/16" / 13/32" fillet weld (a = 9/32")     |
| 145.815                      | 15/32" fillet weld (a = 5/16"*)            |
| 145.812                      | 19/32" fillet weld (a = 13/32"*)           |
| 146.643                      | Corner outside seam 5/16" (8 mm)           |
| 146.645                      | Corner outside seam 13/32" (10 mm)         |
| 146.649                      | Corner outside seam 15/32" (12 mm)         |
| 146.651                      | Corner outside seam 19/32" (15 mm)         |
| 145.811                      | Corner seam Ø 9/16" (14 mm)                |
| 145.488                      | Corner seam Ø 25/32" (20 mm)               |
| * a = Welding seam thickness |                                            |
| 147.602                      | 45° angled adapter                         |
| 147.601                      | 90° angled adapter                         |
| 166.524                      | Insulation sleeve / heat blanket FUSION 2  |

## Automated, modular, customized – WELDPLAST 200-i / 600-i

LEISTER offers you two modules for automated extrusion welding and 3D printing. WELDPLAST 200-i and 600-i are set up to allow both simple and fully automated expansion and can be mounted on robots or integrated into machines. This modular design allows you to bring your projects to fruition without making any compromises.

### Built-in extruder module

#### WELDPLAST 200-i / 600-i



##### Customized

Depending on requirements – choose between extruder modules which can be extended to meet specific needs



##### Modular

Select an extruder module and simply add the relevant hot air and communication components



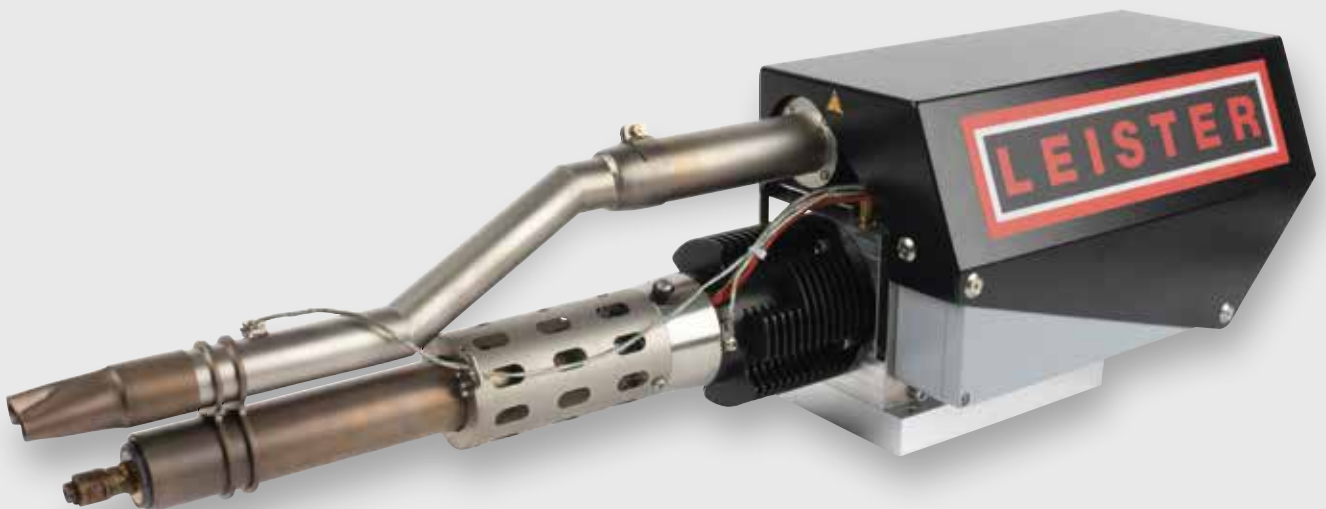
##### Controlled

Monitor and control all parameters such as temperatures and emissions

The drive and communication components of both extruder modules, which can be freely chosen by the user, can be tailored fully to meet individual needs. By incorporating additional sensors, the process can be controlled and monitored as required.

Electrical and mechanical adaptation points are already set up so that the modules for various processes such as those requiring preheated air can be integrated.

State-of-the-art industrial interfaces or similar interfaces can be installed to aid communication.







WELDPLAST 200-i / 600-i – robotic extrusion welding and 3D printing designed for automated continuous operation

#### Built-in extruder module

### WELDPLAST 200-i / 600-i



- **Automated:** Designed for automated continuous operation
- **Up to date:** All components are compliant with current industry standards

### WELDPLAST 200-i

|                                                                                     |                                                                                                   |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|   | <b>163.322</b> Extruder module 200-i                                                              |
|    | <b>163.575</b> Connection kit 200-i / 600-i                                                       |
|    | <b>164.414</b> Preheated air kit 200-i                                                            |
|  | <b>139.869</b> LHS 21S Classic<br><b>140.455</b> LHS 21S Premium<br><b>140.459</b> LHS 21S System |

### WELDPLAST 600-i

|                                                                                      |                                                                                                   |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|  | <b>163.326</b> Extruder module 600-i                                                              |
|   | <b>163.575</b> Connection kit 200-i / 600-i                                                       |
|   | <b>164.415</b> Preheated air kit 600-i                                                            |
|  | <b>139.872</b> LHS 21L Classic<br><b>140.457</b> LHS 21L Premium<br><b>140.461</b> LHS 21L System |

| Technical data                                                                                                 |        | WELDPLAST 200-i                                                   | WELDPLAST 600-i     |
|----------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------|---------------------|
| Heating voltage                                                                                                | V~     | 230                                                               | 230                 |
| Heating power                                                                                                  | W      | 600                                                               | 800                 |
| Welding rods / filament Ø                                                                                      | inches | 0.12 – 0.16                                                       | 0.16 – 0.2          |
| Output Ø 4 HD-PE                                                                                               | lbs/hr | 4.4                                                               | 8.82                |
| Plastic                                                                                                        |        | HD-PE, LD-PE, PP, PVC-U, PVC-C, PVDF, ECTFE, ABS, PC, PA, PS, PUR | HD-PE, LD-PE, PP    |
| Weight full disassembly                                                                                        | lbs    | 33.07                                                             | 48.5                |
| Dimensions full disassembly (L x W x H)                                                                        | inches | 25.98 x 7.52 x 8.27                                               | 34.49 x 7.52 x 8.27 |
| Protection class I                                                                                             |        | ⊕                                                                 | ⊕                   |
| Included with purchase: Extrusion module, CAD data, parts list, operating manual, suggested electrical diagram |        |                                                                   |                     |



Draw welding on a PE-container with the DIODE PID.



The WELDPLAST S4 during outdoor use in Spain.

## General accessories hand extruder

|  |                                                                                                                              |
|--|------------------------------------------------------------------------------------------------------------------------------|
|  | <b>131.451</b> <b>Tool rest</b><br>WELDPLAST S2 / S2 PVC / FUSION 2<br>FUSION 3C                                             |
|  | <b>148.923</b> WELDPLAST S1                                                                                                  |
|  | <b>160.454</b> WELDPLAST S4 / WELDPLAST S6 /<br>FUSION 3                                                                     |
|  | <b>136.231</b> <b>Pre-heat reflector</b><br>WELDPLAST S1/S2 / S2 PVC / S4 / S6<br>FUSION 2 / 3 / 3C                          |
|  | <b>134.361</b> Air filter WELDPLAST S1 / S2 / S2<br>PVC (included with purchase)                                             |
|  | <b>143.776</b> Textile dust filter WELDPLAST S1 / S2<br>PVC (in combination with Air filter)<br>(not included with purchase) |
|  | <b>135.082</b> Air filter FUSION 2 / 3C                                                                                      |
|  | <b>155.829</b> Air filter WELDPLAST S2                                                                                       |
|  | <b>153.009</b> Corner Press Tool                                                                                             |
|  | <b>152.676</b> Welding Gauge                                                                                                 |
|  | <b>144.095</b> Welding rod de-reeler                                                                                         |
|  | <b>116.367</b> <b>Storage case</b><br>(included with purchase)<br>WELDPLAST S6                                               |
|  | <b>123.173</b> WELDPLAST S4 / FUSION 3                                                                                       |
|  | <b>119.540</b> WELDPLAST S2 / S2 PVC / S1 /<br>FUSION 2 / 3C                                                                 |
|  | <b>162.060</b> FUSION 1                                                                                                      |

|  |                                                              |
|--|--------------------------------------------------------------|
|  | <b>154.259</b> Scraper blade                                 |
|  | <b>154.026</b> Contour scraper                               |
|  | <b>165.734</b> Spare blade set of 3 pcs                      |
|  | <b>Heating element</b>                                       |
|  | <b>134.567</b> 230 V / 2600 W, WELDPLAST S6                  |
|  | <b>109.984</b> 230 V / 2200 W, WELDPLAST S4 /<br>S2 / S2 PVC |
|  | <b>113.268</b> 230 V / 1100 + 1100 W, FUSION 3               |
|  | <b>123.561</b> 230 V / 1750 W, FUSION 2 / 3C                 |
|  | <b>149.265</b> 230 V / 1000 W, WELDPLAST S1                  |
|  | <b>149.529</b> 120 V / 1100 W, WELDPLAST S1                  |
|  | <b>149.530</b> 100 V / 1050 W, WELDPLAST S1                  |
|  | <b>151.026</b> 120 V / 1750 W, FUSION 2                      |
|  | <b>161.941</b> 230 V / 900 W, FUSION 1                       |
|  | <b>112.963</b> 120 V / 1150 W, FUSION 1                      |

PLASTFIX lends the weld seam the necessary holding pressure.





## Welding rods

| Article                                  | Profile | Colour      | lbs |
|------------------------------------------|---------|-------------|-----|
| <b>Welding accessories PE</b>            |         |             |     |
| 104.283 HDPE welding rod                 | A       | Black       | 6.6 |
| 104.294 HDPE welding rod                 | A       | White       | 6.6 |
| 104.284 HDPE welding rod                 | B       | Black       | 11  |
| 104.299 HDPE welding rod                 | B       | White       | 11  |
| 106.650 HDPE welding band                | C       | White       | 2.2 |
| 104.300 LDPE welding rod                 | A       | Black       | 6.6 |
| 161.612 HDPE welding rod                 | D       | Black       | 4.4 |
| 116.918 HDPE welding rod                 | D       | White       | 4.4 |
| <b>Welding accessories PP</b>            |         |             |     |
| 104.287 PP welding rod                   | A       | Light Green | 6.6 |
| 104.301 PP welding rod                   | A       | Black       | 6.6 |
| 106.642 PPs welding rod, flame resistant | A       | Light Green | 6.6 |
| 104.288 PP welding rod                   | B       | Light Green | 11  |
| 126.356 PP welding band                  | C       | White       | 4.4 |
| 161.611 PP welding rod                   | D       | Light Green | 4.4 |
| <b>Welding accessories PVC</b>           |         |             |     |
| 104.296 PVC-U welding rod                | A       | White       | 6.6 |
| 104.278 PVC-U welding rod                | A       | Grey        | 6.6 |
| 106.641 PVC-U welding rod                | A       | Brown       | 6.6 |
| 104.280 PVC-U welding rod                | B       | Brown       | 11  |
| 104.279 PVC-U welding rod                | B       | Grey        | 11  |
| 109.925 PVC-U welding rod                | D       | Grey        | 8.8 |
| 104.302 PVC-P welding rod (soft)         | A       | White       | 6.6 |
| <b>Welding accessories ABS</b>           |         |             |     |
| 104.295 ABS welding rod                  | A       | White       | 6.6 |
| 113.587 ABS welding rod                  | A       | Black       | 6.6 |
| 107.027 ABS welding band                 | C       | White       | 2.2 |

| Article                                      | Profile                                                                                                                                                                                                            | Colour | lbs |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|
| <b>Welding accessories div.</b>              |                                                                                                                                                                                                                    |        |     |
| 104.297 PA welding rod                       | A                                                                                                                                                                                                                  | Black  | 6.6 |
| 104.298 PC welding rod                       | A                                                                                                                                                                                                                  | White  | 6.6 |
| 104.313 PC welding rod / ABS / ALPHA (Honda) | A                                                                                                                                                                                                                  | Black  | 6.6 |
| 104.308 PUR welding rod                      | A                                                                                                                                                                                                                  | Black  | 6.6 |
| 106.654 Xenoy welding band                   | C                                                                                                                                                                                                                  | Grey   | 4.4 |
| 104.304 PVDF welding rod                     | A                                                                                                                                                                                                                  | White  | 6.6 |
| 104.303 POM welding rod                      | A                                                                                                                                                                                                                  | White  | 6.6 |
| 112.185 PC/PBTP Xenoy welding rod            | A                                                                                                                                                                                                                  | White  | 6.6 |
| <b>Test bundles</b>                          |                                                                                                                                                                                                                    |        |     |
| 107.036                                      | Test bundle bodywork welding rods, each consisting of profile A pieces of 14.6" single marked<br>6× HDPE, 6× PP, 6× PA, 6× PC, 6× ABS, 6× PCABS / APLHA Honda, 6× PC / PBTP / Xenoy<br>                            |        |     |
| 107.037                                      | Test bundles standard each consisting of profile A pieces of 14.6" single marked<br>5× PVC-U, 5× PVC-P, 5× PP, 5× ABS, 5× HDPE, 3× PC, 3× PA, 3× POM, 3× LDPE, 3× PC / ABS / ALPHA Honda, 3× PC / PBTP / Xenoy<br> |        |     |
| 107.040                                      | Test bundle welding band each consisting of profile A pieces of 14.6" single marked<br>9× HDPE, 8× 0.08" white, 9× PP, 8× 0.08" natural, 9× ABS, 8× 0.08" white, 9× PC / PBTP / Xenoy grey<br>                     |        |     |

## Profile sizes

|                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| <b>Profile A</b><br> | <b>Profile B</b><br> | <b>Profile C</b><br> | <b>Profile D</b><br> |
|----------------------|----------------------|----------------------|----------------------|

Dimensions in inches







Promotes the life of the floor.



Suitable for aseptic applications.



Suitable for frequent cleaning.

## Flooring / Interior Decoration

|                                  |           |
|----------------------------------|-----------|
| Product overview                 | 112       |
| Floor welding procedures         | 113       |
| UNIFLOOR 500                     | 114 / 115 |
| MINIFLOOR / MINIFLOOR Drive Unit | 116 / 117 |
| GROOVER 500-LP                   | 118 / 119 |
| GROOVER                          | 120       |
| GROOVY                           | 121       |
| General accessories              | 122       |

## Hot-Air Hand Tools

|                     |         |
|---------------------|---------|
| TRIAC ST            | 12 / 15 |
| TRIAC AT            | 13 / 15 |
| ELECTRON ST         | 16 / 17 |
| HOT JET S           | 18 / 19 |
| GHIBLI AW           | 22 / 23 |
| General accessories | 36 / 37 |

## Overview Flooring



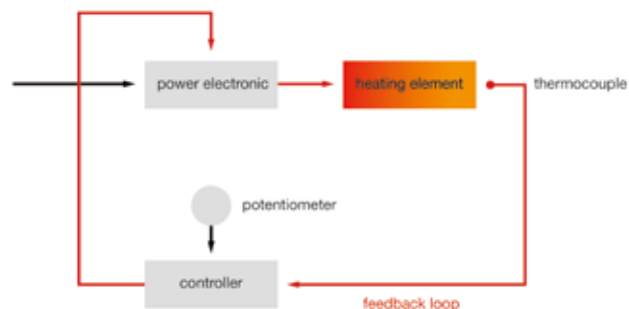
| Type                       |        | GROOVER 500-LP                                        | GROOVER                                                      | MINIFLOOR                                      | UNIFLOOR 500                               |
|----------------------------|--------|-------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------|--------------------------------------------|
| Area of application        |        | Cordless Grooving machine for elastic floor coverings | Grooving machine for plastic floor coverings                 | Drive unit for welding plastic floor coverings | Welder for welding plastic floor coverings |
| Groove wide                | inches | 2.8 / 3.5                                             | 0.1 / 0.11 / 0.14 / 0.16                                     | 0.1 – 0.16                                     | 0.1 – 0.2                                  |
| Groove depth               | inches | 0.0 - 6.0                                             | 0.0 – 0.16                                                   | 0.1 – 0.16                                     | 0.1 – 0.16                                 |
| Speed                      | ft/min |                                                       | Phase 1 (Linoleum) 13 – 19<br>Phase 2 (PVC, TPU, PU) 26 – 39 | 1.6 – 14                                       | 3.3 – 24.6                                 |
| Temperature                | °F     | -                                                     | -                                                            | 104 – 1148 (with TRIAC AT)                     | 176 – 1148                                 |
| Air flow range             | %      | -                                                     | -                                                            | 20 – 100 (with TRIAC AT)                       | 50 – 100                                   |
| Voltage                    | V      | 120 / 230                                             | 120 / 230                                                    | 100 – 230                                      | 120 / 230                                  |
| Frequenz                   | Hz     | -                                                     | 50 / 60                                                      | 50 / 60                                        | 50 / 60                                    |
| Power                      | W      | 90                                                    | Phase 1 (Linoleum) 350<br>Phase 2 (PVC, TPU, PU) 700         | drive unit 5<br>with TRIAC AT 1605             | 2300                                       |
| Weight                     | lbs    | 12.13                                                 | 14.7                                                         | 11.6<br>14.5                                   | 25                                         |
| Size                       | inches | 17.5 x 8.3 x 13.2                                     | 9 x 8 x 10                                                   | 12 x 9 x 10<br>20 x 9 x 12                     | 17 x 11 x 9                                |
| Cable length               | ft     | -                                                     | 10                                                           | 10                                             | 10                                         |
| <b>Startup parameters*</b> |        |                                                       |                                                              |                                                |                                            |
| Materials                  |        | Linoleum, PVC, TPU, PU                                | Linoleum (Phase 1)<br>PVC, TPU, PU (Phase 2)                 | Linoleum<br>PVC, TPU, PU                       | Linoleum<br>PVC, TPU, PU                   |
| Speed                      | ft/min | -                                                     | 16<br>32                                                     | 4.9<br>4.9                                     | 9.8<br>9.8                                 |
| Temperature                | °F     | -                                                     | -<br>-                                                       | 752 – 842<br>932 – 1022                        | 752 – 842<br>932 – 1022                    |
| Air flow range             | %      | -                                                     | -<br>-                                                       | 100%<br>100%                                   | 100%<br>100%                               |
| Catalog page               |        | 118 / 119                                             | 120                                                          | 116                                            | 114 / 115                                  |

\*The parameters listed are purely reference values (room temperature 20°C / 68°F). A test weld, which takes into account the information provided by the material manufacturer, is absolutely essential.

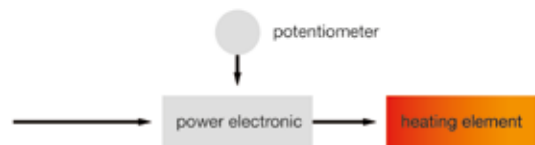
## Closed-loop system

Closed-loop technology means that the parameters are kept constant at all times, even in the event of voltage fluctuations, enabling reliable welding in the building site environment.

Closed-Loop System



Open Loop System



## Procedures for welding floor coverings



### Step 1:

Milling the groove with the GROOVER.



### Step 2:

Inserting the welding rod into the groove with the UNIFLOOR E hot-air welder.



### Step 3:

Removing the excess welding rod with Quarter Moon Knife or Trimming knife.



### Step 4:

Levelling the protruding welding rod with Quarter Moon Knife or Trimming knife.

# UNIFLOOR 500 – automatic, efficient, quiet

The automatic floor welder, UNIFLOOR 500, is suitable for welding resilient floor coverings made of plastic and antistatic ESD floors, as well as natural coverings made of linoleum and rubber.

Automatic floor welder

## UNIFLOOR 500

1



### Automatic Nozzle Positioning (ANP) from Leister

Thanks to Automatic Nozzle Positioning (ANP), the hot air blower can be rotated in and out automatically by pressing the start button; the hot air blower rotates out automatically on contact with any wall.

2



### Foldable pressure roller

Thanks to the fold-up pressure roller, the welding rod can be inserted easily and without tilting the UNIFLOOR 500.

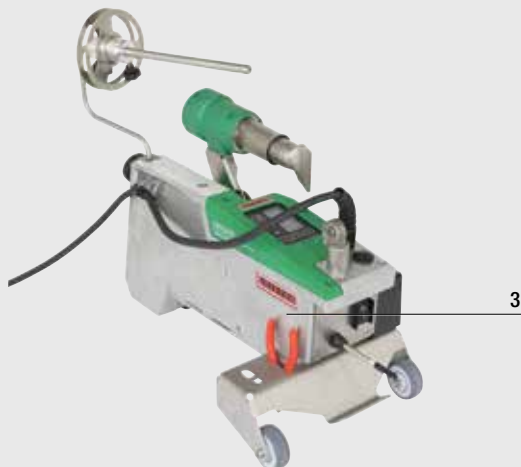
3



### Matching tools

A side cutter has been integrated into the transport axis, so users always have the right tool for cutting the welding rod.

- reliable
- user-friendly
- universal
- quiet
- secure







#### Technical Data

|                    |        |                                          |
|--------------------|--------|------------------------------------------|
| Voltage            | V~     | 230 / 120 / 100                          |
| Power              | W      | 2300 / 1800 / 1500                       |
| Temperature        | °F     | 212 – 1040                               |
| Frequency          | Hz     | 50/60                                    |
| Weight             | lbs    | 34.2 (incl. de-reeler and 9.84 ft cable) |
| Speed              | ft/min | 2.2 – 24.6                               |
| Air flow range     | %      | 45 – 100                                 |
| Size L × W × H     | inches | 22.1 × 11.4 × 17.3                       |
| Nozzle outlet      | inches | 0.063 (universal use)                    |
| Conformity marking | CE     |                                          |
| Protection class I | ⊕      |                                          |

#### Article numbers

|         |                                               |
|---------|-----------------------------------------------|
| 169.612 | UNIFLOOR 500, 230 V / 2300 W, EU plug         |
| 169.613 | UNIFLOOR 500, 230 V / 2300 W, industrial plug |
| 169.614 | UNIFLOOR 500, 230 V / 2300 W, CH plug         |
| 169.615 | UNIFLOOR 500, 120 V / 1800 W, US plug         |
| 169.616 | UNIFLOOR 500, 120 V / 1800 W, with out plug   |
| 169.617 | UNIFLOOR 500, 100 V / 1500 W, JP plug         |

#### Scope of delivery:

UNIFLOOR 500 incl. de-reeler, nozzle adjustment gauge, hex key, torx key, quick guide, transportation box



**116.798** Brass wire brush with wooden handle



**169.251** Side cutter



**170.556** Nozzle adjustment gauge



**145.582** Heating elements 230 V / 2200 W  
**165.176** Heating elements 120 V / 2100 W  
**165.179** Heating elements 100 V / 1600 W



# MINIFLOOR – efficient and affordable for everyone

The MINIFLOOR turns your hot-air hand tool into an automatic welder within seconds; increases the weld quality, facilitates work, and reduces time considerably. Its use is worthwhile from weld lengths of 1.20 m (4 ft.), and thanks to its lightweight design of 5.3 kg (12 lbs.), the MINIFLOOR can be transported effortlessly.

Hot-air welder

## MINIFLOOR

|                                                                                              |                                                                                                                                                                                                                                                                         |                                                                                     |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <p>1</p>    | <p><b>Reverse compatibility:</b> Thanks to the interchangeable inserts, even older TRIAC models can be connected without a hitch.</p>                                                                                                                                   |  |
| <p>2</p>   | <p><b>Tool-free assembly of de-reeler:</b> Even if the de-reeler is missing you may count on hassle-free handling, as well as smooth feeding of the welding rod into the "air-slide" of the speed welding nozzle.</p>                                                   |                                                                                     |
| <p>3</p>  | <p><b>Incredibly fast:</b> Despite its lightweight design, the MINIFLOOR offers a welding speed of about 2 m/6.5 ft per minute, nearly double the speed of manual welding.</p>                                                                                          |                                                                                     |
| <p>4</p>  | <p><b>Quick-lock fastening system:</b> This system allows for attaching / detaching of the TRIAC in a matter of seconds. The power supply for the hand tool is integrated into the MINIFLOOR drive unit and allows the possibility of securely fastening the cable.</p> |                                                                                     |
| <p>5</p>  | <p><b>The individually-adjustable, start-up delay:</b> Enables modification of the startup according to individual needs. The long guide ensures outstanding precision along the seam.</p>                                                                              |                                                                                     |
| <p>6</p>  | <p><b>51 mm/2 inches minimum distance from the wall:</b> Ensures trouble-free welding around construction pipes and L-skirts. Due to its compact height, the MINIFLOOR seamlessly welds beneath obstacles with a minimum clearance of 295 mm (12 inches).</p>           |                                                                                     |



**Professional, inexpensive, incredibly versatile:** The new MINIFLOOR (TRIAC plus drive unit) for smart professionals.

The MINIFLOOR is ideal for short joints and small projects.

Hot-air welder / drive unit

**MINIFLOOR Drive Unit**



- The only automatic welder with capability of connecting a hot-air hand tool in the simplest manner.
- Worthwhile from weld lengths of 1.20 m (4 ft.)
- Swiss quality you can rely on.
- Due to minimum distance of 51 mm (2.2 inches) from the wall, there is only one required joint along the weld seam, and THAT saves time!
- Weighing in at 6.6 kg (15 lbs ) (incl. TRIAC AT & nozzles) the MINIFLOOR is a lightweight and easily transportable solution.
- **NEW:** Improved directional stability!

| Technical Data     |        |                 |                     |
|--------------------|--------|-----------------|---------------------|
| MINIFLOOR          |        | Drive Unit only | with TRIAC AT       |
| Voltage            | V~     | 100 – 230       | 100 / 120 / 230     |
| Frequency          | Hz     | 50 / 60         | 50 / 60             |
| Power              | W      | 5               | 1600                |
| Temperature        | °F     |                 | 100 – 1150          |
| Air flow range     | %      |                 | 20 – 100%           |
| Drive speed        | fpm    | 1.8 – 14.8      | 1.8 – 14.8          |
| Control            |        | Closed-loop     | Closed-loop/Display |
| Blower             |        |                 | Brush motor         |
| Welding seam       | inches |                 | 1.0 / 1.4           |
| Size (L × W × H)   | inches | 12 × 9 × 10     | 20 × 9 × 12         |
| Weight             | lbs    | 12              | 15 (incl. Nozzles)  |
| Conformity marks   |        | CE              | CE                  |
| Protection class I |        | ⊕               | ⊕   ⊞               |

**Accessories MINIFLOOR Drive Unit**

|  |  |                                                                                               |                                                                                                                                                                |
|--|--|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | TRIAC AT / TRIAC ST<br>All models and part numbers can be found at chapter Hot-Air Hand Tools |                                                                                                                                                                |
|  |  | 154.266                                                                                       | Storage case MINIFLOOR                                                                                                                                         |
|  |  | 156.531                                                                                       | Carrying strap for storage case                                                                                                                                |
|  |  | 154.723                                                                                       | Rubber pads for TRIAC-bracket (old generation Ø 64 mm / 2.5 inches)                                                                                            |
|  |  | 100.303                                                                                       | Ø 5 mm / 0.2 inches, tubular nozzle, push-fit                                                                                                                  |
|  |  | 105.432<br>105.433                                                                            | Speed welding nozzle, with small air-slide, push-fit on Ø 5 mm 0.2 inches tubular nozzle<br>Ø 4 mm / 0.16 inches<br>Ø 5 mm / 0.2 inches ( <b>recommended</b> ) |
|  |  | 159.436                                                                                       | Replacement Guide wheel 2.0 mm / 0.08 inches                                                                                                                   |
|  |  | 163.870                                                                                       | Additional weight, increases the directional stability. Compatible with previous models                                                                        |

**MINIFLOOR Drive Unit**

**Article No.:**

- 154.330 MINIFLOOR drive unit, with EU-plug; 230 V
  - 154.334 MINIFLOOR drive unit, with CH-plug; 230 V
  - 154.337 MINIFLOOR drive unit, with UK-plug; 110 V
  - 157.685 MINIFLOOR drive unit, with UK-plug; 230 V
  - 154.338 MINIFLOOR drive unit, with AUS-plug; 230 V
  - 154.335 MINIFLOOR drive unit, with US/JP-plug; 120 V
  - 154.336 MINIFLOOR drive unit, without plug; 230 V
- Scope of delivery: Plastic case, Roller Holder, additional weight, Rubber pad set Ø 2.25 – Ø 2.4 inches, Velcro fastener 2 pcs, quick guide

# GROOVER 500 LP – Grooving Cordless, Powerful, Reliable

Grooving – even on uneven floors of plastic or natural materials, close to the edge or along a guide rail – all in a day’s work for the GROOVER 500-LP cordless grooving machine from Leister. No more messy rat’s nests of cables and tedious searching for electric power sockets on site. Your GROOVER 500-LP lets you switch from one room to another in no time. Cordless, powerful, reliable - that’s your GROOVER 500-LP.

Grooving machine

## GROOVER 500-LP

- |   |                                                                                     |                                                                        |
|---|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 1 |    | <b>Cordless battery operation</b><br>with maximum flexibility          |
| 2 |    | <b>LED light</b><br>for illuminating the grooving area                 |
| 3 |   | <b>Side stop</b><br>for grooving along rails                           |
| 4 |  | <b>Sensing roller</b><br>for reliable grooving – even on uneven floors |



Manufactured  
by Leister China





Practical, useful and handy machine for use by flooring installer, floor layer, floor covering fitters, contractors and interior decorators.



The vacuum cleaner adapter allows to connect the tool to a vacuum cleaner. Highest suction performance is guaranteed.

## Grooving machine

### GROOVER 500-LP



- **General-purpose milling cutter blade** for plastic and natural floor coverings
- Particularly stable on the **three-point stand**
- **Adjustable side roller** for reliable grooving on pimped floor coverings
- **Optimized rear guide roller** for precise positioning

| Technical data          |       |                               |
|-------------------------|-------|-------------------------------|
| Battery voltage         | V === | 18                            |
| Battery capacity Li-Ion | Ah    | 5.0                           |
| Charger voltage         | V~    | 230; 120                      |
| Cutting speed           | rpm   | 5000                          |
| Blade diameter          | inch  | 5.12                          |
| Groove depth adjustment | inch  | 0 - 0.24, infinitely variable |
| Size (L x W x H)        | inch  | 17.5 x 8.4 x 13.2             |
| Weight (incl. dust bag) | lbs   | 12.2                          |
| Conformity mark         |       | CE                            |
| Protection class II     |       | □                             |

- Article No.:**
- 167.451 GROOVER 500-LP, 230 V, Universal tungsten carbide tipped blade, Ø 5.12 x 0.14 inch, T12, parabolic profile, with CH / EU plug
  - 168.171 GROOVER 500-LP, 120 V, Universal tungsten carbide tipped blade, Ø 5.12 x 0.14 inch, T12, parabolic profile, with US plug

Included with purchase: Grooving machine, 2x battery pack LP18/5.0, charger, vacuum cleaner adapter, dust bag black, dust pipe, union nut, hex key, quick guide, transportation box

### Accessories GROOVER 500-LP

|  |                                                                                                    |
|--|----------------------------------------------------------------------------------------------------|
|  | <b>167.024</b> Poly crystalline diamond tipped blade, Ø 5.12 x 0.14 inch, T6, conical profile      |
|  | <b>167.025</b> Universal tungsten carbide tipped blade, Ø 5.12 x 0.11 inch, T12, parabolic profile |
|  | <b>167.026</b> Universal tungsten carbide tipped blade, Ø 5.12 x 0.14 inch, T12, parabolic profile |
|  | <b>166.642</b> Vacuum cleaner adapter, connection diameter 1.06 / 1.42 inch                        |
|  | <b>166.869</b> Dust bag black                                                                      |

# GROOVER: Dust-free milling

The GROOVER grooving machine cuts welding grooves into thick, tough floor coverings like sheet vinyl and other resilient flooring. The tool glides on three rollers and cuts a uniform groove depth, even at high speeds.



Strong drive suitable for PVC, PUR and linoleum materials.

Grooving machine

## GROOVER



- Cuts grooves into of all types of resilient floor coverings
- Extremely high, two-stage cutting speeds
- Adjustable guide roller for tracking accuracy
- Reduced dust particles when used with dust bag
- Cutting close to the edge possible

## Accessories GROOVER

|  |                                                                                                                                           |
|--|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>102.401</b> Ø 4.33 × 0.14 inches, tungsten carbide-tipped blade, trapezium profile (standard blade installed in most Leister GROOVERs) |
|  | <b>102.402</b> Ø 4.33 × 0.16 inches, tungsten carbide-tipped blade, round profile                                                         |
|  | <b>102.403</b> Ø 4.33 × 0.11 inches, tungsten carbide-tipped blade, round profile                                                         |
|  | <b>102.405</b> Ø 4.33 × 0.14 inches, tungsten carbide-tipped blade, round profile                                                         |
|  | <b>102.406</b> Ø 4.33 × 0.14 inches, diamond cutting blade, semi-round profile                                                            |
|  | <b>126.448</b> Storage case (included with purchase)                                                                                      |

### Technical Data

|                         |        |                                                    |
|-------------------------|--------|----------------------------------------------------|
| Voltage                 | V~     | 120 / 230                                          |
| Power                   | W      | 350 / 700 (2 levels)                               |
| Cutting speeds          | rpm    | Level 1: 14 500 (350 W)<br>Level 2: 18 500 (700 W) |
| Groove depth adjustment | inches | 0 – 0.16                                           |
| Size (L × W × H)        | inches | 9 × 8 × 10                                         |
| Weight                  | lbs    | 15 (with 10 ft cable)                              |
| Conformity marking      | CE     |                                                    |
| Approval mark           | S      |                                                    |
| Protection class II     | □      |                                                    |

### Article No.:

- 108.395 GROOVER 120 V, tungsten carbide tipped blade Ø 4.33 × 0.14 inches, trapezium profile, with US plug polarized, storage case
- 108.393 GROOVER 230 V, tungsten carbide tipped blade Ø 4.33 × 0.14 inches, trapezium profile, with Euro plug, storage case
- 111.032 GROOVER 230 V, tungsten carbide tipped blade Ø 4.33 × 0.14 inches, round profile, with Euro plug, storage case
- 109.930 GROOVER 230 V, tungsten carbide tipped blade Ø 4.33 × 0.14 inches, trapezium profile, with AUS plug, storage case

# GROOVY: Lightweight and handy

The new “GROOVY” gouging tool is the lightweight, handy tool for the experienced resilient flooring installer. Its ergonomic shape makes it possible to achieve the desired groove width and depth up to the connecting walls, defined and clean-cut, with little pressure.

Gouging tool

## GROOVY



- Lightweight and handy
- Groove preparation without milling
- Clean transition from machine-milled groove to the closure
- Ideal for surfaces that are small and difficult to access
- Precise work thanks to roller guide
- Gouge grooves directly up to connecting walls
- Adjustable groove depth

| Technical Data   |        |            |
|------------------|--------|------------|
| Groove width     | inches | 0.14       |
| Groove depth     | inches | 0.02 – 0.1 |
| Size (L x W x H) | inches | 7 x 2 x 4  |
| Weight           | lbs    | 0.64       |

**Article number:**  
150.809 GROOVY gouging tool, 0.14" for elastic floor coverings

## Accessories GROOVY

|                                                                                   |                                                                         |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|
|  | <b>151.394</b> Protective plug                                          |
|  | <b>150.815</b> Blade Ø 0.14 inches<br><b>154.717</b> Blade Ø 0.1 inches |
|  | <b>154.279</b> Replacement Guide wheel<br>Guide wheel 0.07 inches       |

Ideal for surfaces that are small and difficult of access.



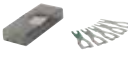
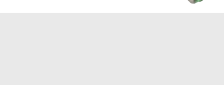
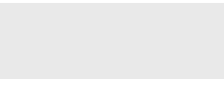
Executing clean grooves up to connecting walls.



Precise and simple guidance thanks to integrated guide rollers.



## General accessories

|                                                                                      |                                                    |                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <b>100.303</b><br><b>107.144</b>                   | Tubular nozzle<br>Ø 0.2" (5 mm), 15° angled, push-fit (TRIAC)<br>Ø 0.2" (5 mm), 15° angled, push-fit (HOTJET)                                                                                                                                                    |
|     | <b>105.576</b><br><b>131.867</b>                   | Tubular nozzle<br>Ø 0.2" (5 mm), 90° angled, push-fit (TRIAC)<br>Ø 0.2" (5 mm), 90° angled, push-fit (HOTJET)                                                                                                                                                    |
|     | <b>105.567</b><br><b>105.575</b>                   | Tubular nozzle,<br>Ø 0.2" (5 mm), 6" (150 mm), straight (HOTJET)<br>Ø 0.2", tubular nozzle, 4", straight (TRIAC)                                                                                                                                                 |
|     | <b>105.431</b><br><b>105.432</b><br><b>105.433</b> | speed weld nozzle<br>0.12" (3 mm), with small air-slide, push-fit on Ø 0.2" (5 mm) tubular nozzle<br>0.16" (4 mm), with small air-slide, push-fit on Ø 0.2" (5 mm) tubular nozzle<br>0.2" (5 mm), with small air-slide, push-fit on Ø 0.2" (5 mm) tubular nozzle |
|   | <b>107.139</b><br><b>107.137</b>                   | speed weld nozzle<br>0.18" x 0.5" for fillet weld, push-fit on Ø 0.2" (5 mm) tubular nozzle<br>0.31" (8 mm) for tape welding, push-fit on Ø 0.2" (5 mm) tubular nozzle                                                                                           |
|   | <b>159.848</b><br><b>160.550</b>                   | speed weld nozzle<br>0.2" (5 mm), with small air-slide, curved, push-fit on 5 mm tubular nozzle<br>0.1" (3 mm), with small air-slide, curved, push-fit on 5 mm tubular nozzle                                                                                    |
|   | <b>106.992</b><br><b>106.993</b>                   | Speed welding nozzle, push-fit on Ø 0.2" (5 mm) tubular nozzle<br>0.22" (5.7 mm), profile A<br>0.28" (7 mm), profile B                                                                                                                                           |
|   | <b>165.937</b>                                     | Smoothing Nozzle<br>push-fit on Ø 0.2" (5 mm) tubular nozzle                                                                                                                                                                                                     |
|   | <b>107.270</b>                                     | Wide slot nozzle 6 x 0.5"<br>(150 x 12 mm), push-fit (ELECTRON ST)                                                                                                                                                                                               |
|   | <b>142.281</b>                                     | Scraper nozzle (ELECTRON ST)                                                                                                                                                                                                                                     |
|   | <b>148.933</b>                                     | Protective tube (ELECTRON ST)                                                                                                                                                                                                                                    |
|   | <b>151.068</b>                                     | Tool stand (ELECTRON ST) (recommended)                                                                                                                                                                                                                           |
|   | <b>106.970</b><br><b>106.971</b>                   | Pressure roller with ball bearings<br>for welding rods: Ø 0.16 – 0.2"<br>for welding rods: Ø 0.08 – 0.16"                                                                                                                                                        |
|   | <b>106.966</b><br><b>106.968</b>                   | Hand grooving tool<br>Spare blades for hand grooving tool                                                                                                                                                                                                        |
|    | <b>150.809</b>                                     | Gouging tool "GROOVY" 0.14 inches<br>for elastic floor coverings                                                                                                                                                                                                 |
|    | <b>150.815</b><br><b>154.717</b>                   | Blade Ø 0.14 inches<br>Blade Ø 0.1 inches                                                                                                                                                                                                                        |
|    | <b>157.544</b>                                     | Leister Universal scissors 10.2 inches<br>with special shaft grinding                                                                                                                                                                                            |
|    | <b>117.000</b>                                     | Trimming knife with 0.02 inches spacer<br>for vinyl and linoleum with 5 spare<br>blades included                                                                                                                                                                 |
|   | <b>117.005</b>                                     | 5 spare blades                                                                                                                                                                                                                                                   |
|  | <b>117.007</b>                                     | 1 universal spacer 0.02 inches                                                                                                                                                                                                                                   |
|  | <b>106.969</b>                                     | Quarter Moon Knife including leather<br>case, 3.9 inches stainless steel blade                                                                                                                                                                                   |
|  | <b>122.541</b>                                     | Trimming guide,<br>for use with spatula (106.969)                                                                                                                                                                                                                |
|  | <b>137.855</b>                                     | Leister cutter with four spare blades                                                                                                                                                                                                                            |
|  | <b>138.902</b>                                     | Hooked blade for LEISTER-cutter<br>(10 dispensers with 10 pcs=100 pcs)                                                                                                                                                                                           |
|  | <b>138.539</b>                                     | Straight-edge blade for LEISTER-cutter<br>(10 dispensers with 10 pcs = 100 pcs)                                                                                                                                                                                  |
|  | <b>116.798</b>                                     | Brass brush                                                                                                                                                                                                                                                      |
|  | <b>142.647</b>                                     | Brass brush Ø 0.12" (3 mm)                                                                                                                                                                                                                                       |
|  | <b>160.353</b>                                     | Cable cord roller 27.3 yards (25 m)<br>PUR 5 x 2.5 mm², with 1 x CEE<br>400 V and 2 x EU socket 230 V                                                                                                                                                            |
|  | <b>161.152</b>                                     | Cable cord roller 27.3 yards (25 m)<br>PUR 5 x 2.5 mm², with 1 x CEE 400 V<br>and 2 x T23 CH socket 230 V                                                                                                                                                        |
|  | <b>161.207</b>                                     | Cable cord roller 27.3 yards (25 m) PUR<br>5 x 2.5 mm², with 1 x CEE 400 V and<br>2 x Typ E with ground pin socket 230 V                                                                                                                                         |
|  | <b>164.048</b>                                     | Cable cord roller 45 m, 4 x 230 V,<br>EU socket                                                                                                                                                                                                                  |
|  | <b>160.015</b>                                     | Cable extension cord 16 yards (15 m)<br>PUR 5 x 2.5 mm², with CEE 400 V plug                                                                                                                                                                                     |
|  | <b>159.239</b>                                     | Cable extension cord 16 yards 15 m<br>PUR 3 x 2.5 mm², with EU plug 230 V                                                                                                                                                                                        |



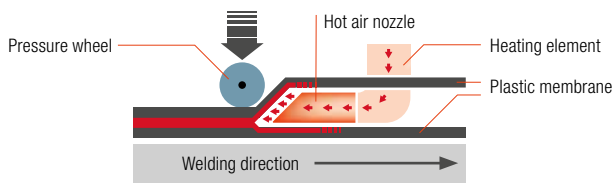


# Leister. We know how.

Leister is a world leader in the industry and one of the pioneers in the fields of hot-air, hot-wedge and extrusion welding processes. Leister Technologies AG manufactures high-quality welding machines for demanding work for all industries, in which plastic is processed.

## Know-how

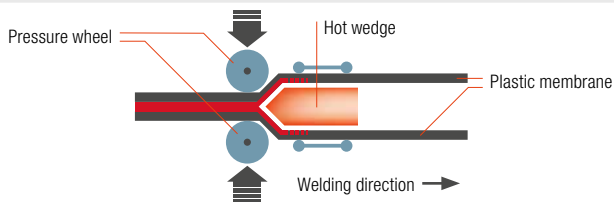
### Welding Methods



#### Hot-air Welding

Hand tools, automatic welders, stationary welding machines

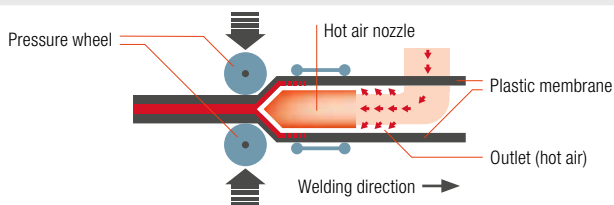
In hot gas welding, the thermal energy is controlled. Heated air is fed into the workpiece and the required amount of pressure is exerted onto the wheels.



#### Hot-wedge Welding

Wedge welders

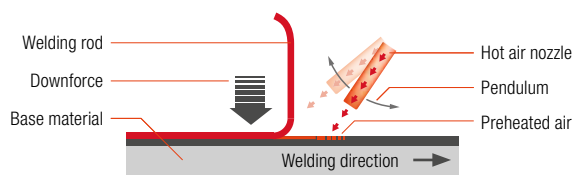
The process where the wedge is heated directly by heating cartridges. The generated heat is transferred directly onto the workpiece. This method also is suitable for thicker materials.



#### Combi-wedge Welding

Combi-wedge welding machines

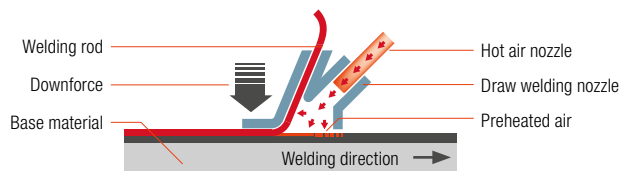
When Combi-wedge welding (combination of a heated wedge and hot air), preheating of the air and the actual welding process is carried out over a wedge. The preheated air also takes partial cleaning of the workpieces.



#### Pendulum Welding

Hand tools

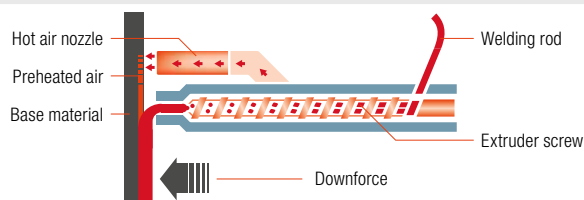
Pendulum welding requires a welding rod similar to the base material. Both surfaces are then heated using hot air. Using an up and down, pendulum-like motion and consistent downward pressure, the two are joined.



#### Draw Welding (Speed Welding)

Hand tools

This welding method requires the use of a speed welding nozzle. Preheat the surfaces to the appropriate temperature. The surfaces are plasticized by hot air and joined under consistent downward pressure.



#### Extrusion Welding

Extrusion Welders (FUSION & WELDPLAST)

In extrusion welding, the substrate is preheated with hot air and connected by adding the extrudate. The welding rod is fed into the heater barrel and the plast is processed by the extruder screw.

# Plastic welding with Leister

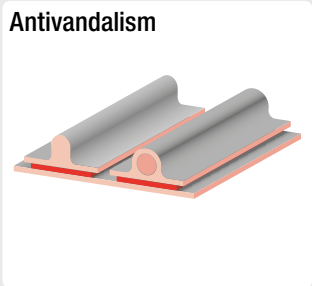
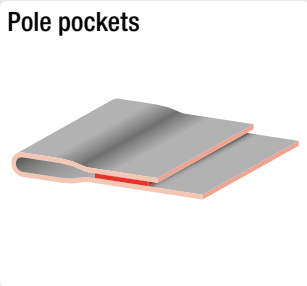
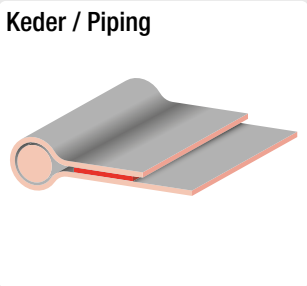
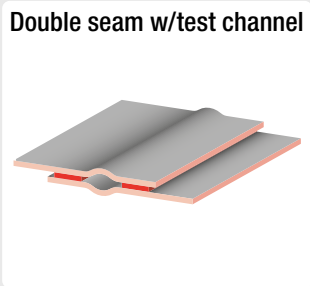
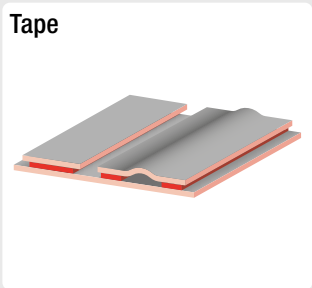
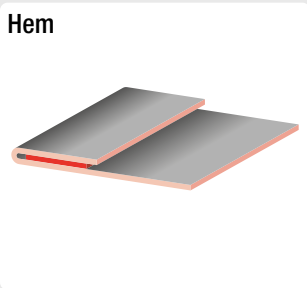
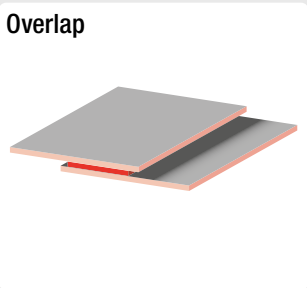
In plastic welding, thermoplastic materials are joined through the combination of thermal energy, pressure and welding speed. Combined, these key factors are the main considerations in the welding of many types of applications including: roofing, civil engineering, tunneling, tents & tarps, signs & banners, floor coverings, vehicle repairs, plastic fabrication and many more.

## Know-how

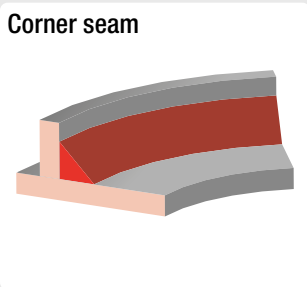
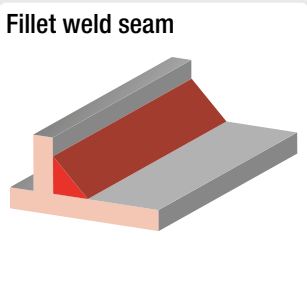
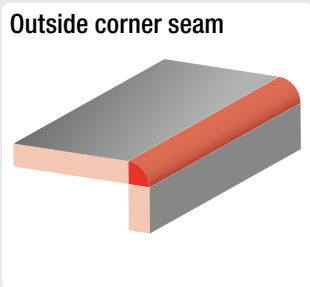
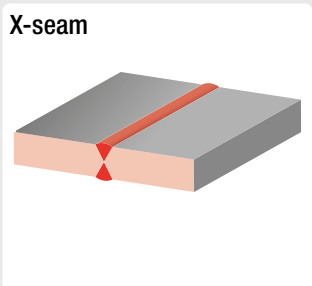
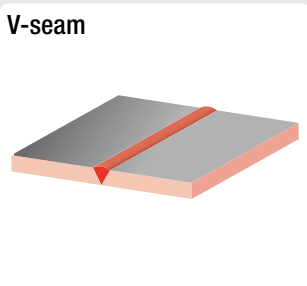
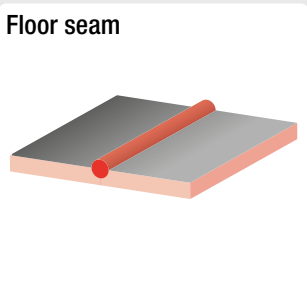
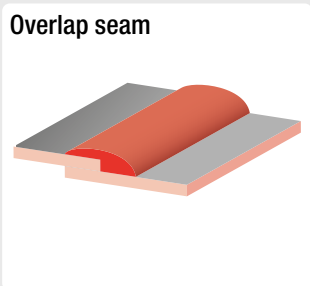
### Weld Types / Weld Geometries

#### Welding without filler material

- Special applications
- Roofing
- Technical Textiles
- Civil Engineering / GEO
- Plastic Fabrication
- Flooring



#### Welding with additional material



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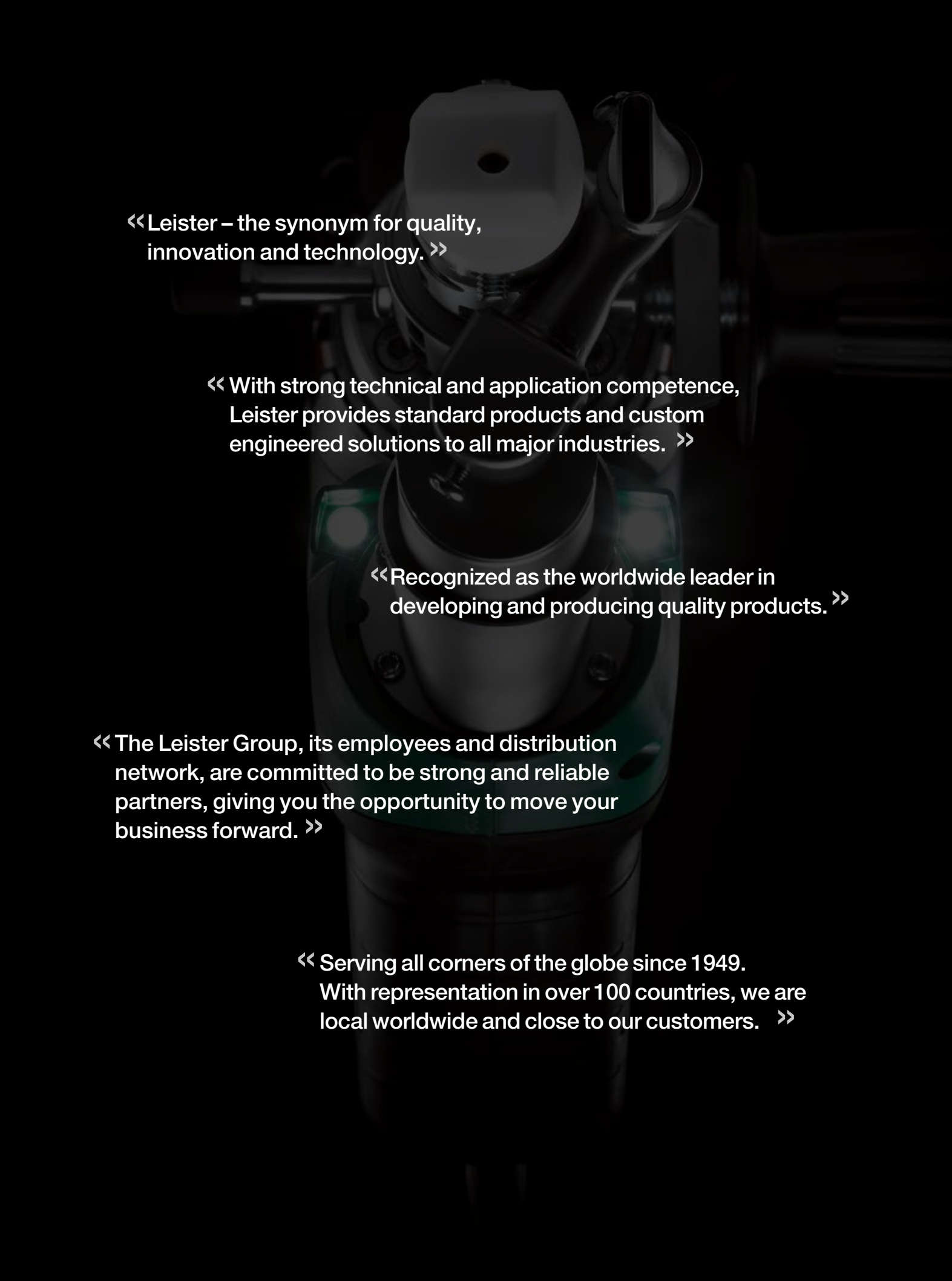


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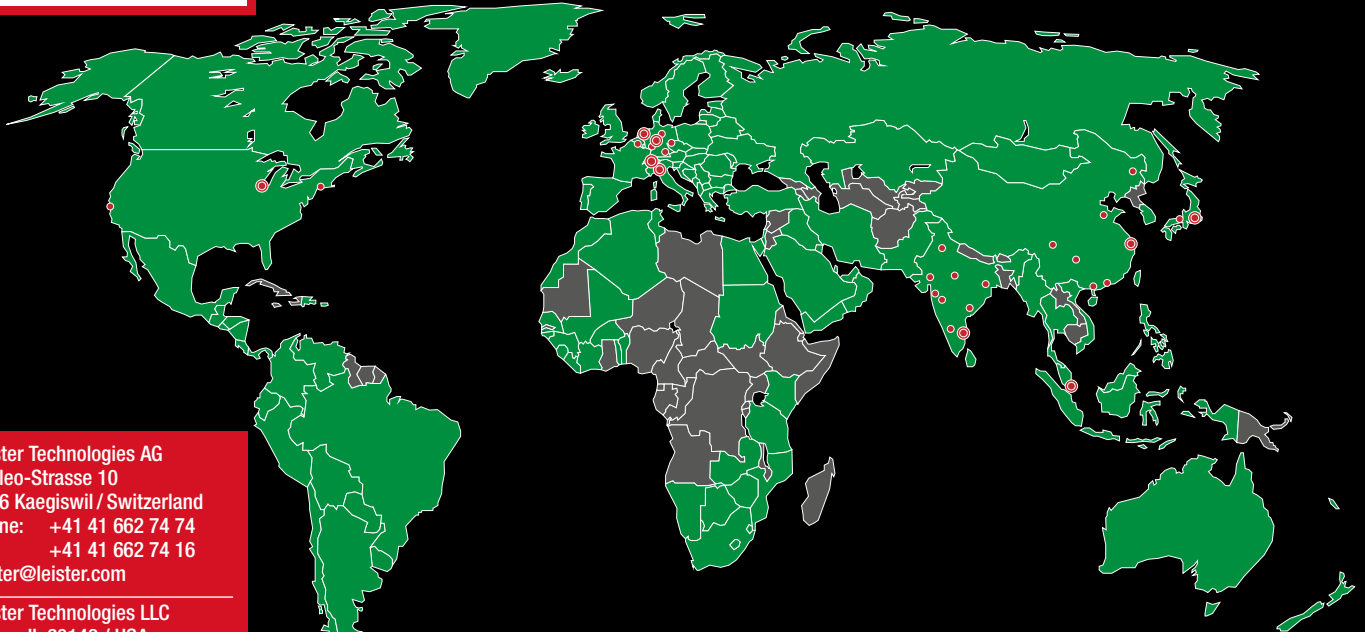
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