LEISTER®

Waterproofing Swimming Pools

FOCUS | Professional Welding of Pools, Ponds and Plastic Pools

Welding Technologies by Application | Pool Construction

swiss made

Welding Technology from Leister for Pool Construction

Solutions from Leister for Professional Waterproofing of Swimming Pools

Leister's innovative hot-air and plastic welding tools make the sealing of swimming pools and ponds with film and the production of prefabricated pools, swimming pool covers and sun sails more efficient and long-lasting.

We know how.

Content

Waterproofing Swimming Pools

With traditional swimming pools, PVC membranes are predominantly used for waterproofing, as chlorine is often used for water treatment. There are two different installation techniques for swimming pool sealing sheets: overlap welding and butt welding. There are membranes that are primarily suitable for overlap welding and membranes that are suitable for butt welding.

Overlap Welding

With this technology, the two membranes are laid overlapping and welded together. The overlap of the membranes is approximately 50 mm. The upper sheet is stapled by hand at certain points and can then be automatically welded to the lower membrane sheet. The overlap has a rather negative impact on both aesthetics and comfort, as well as on ease of cleaning. Leister welding machines such as the VARIMAT 300, UNIROOF 300 and UNIDRIVE 500 are ideal for the overlap welding of PVC pool membranes.

Butt Welding

This technology is used for structured and digitally printed pool liners on a hard pool floor with a thickness of 1.5 mm to 2 mm. Two membranes are butted together and welded to the seam tape underneath. To create a level surface on the pool floor, an antibacterial fleece is laid to the left and right of the seam tape to even out the height difference.

Pool builders take note: the UNIDRIVE 505 semi-automatic welding machine from Leister sets new standards in pool construction. It enables precise butt welding on seam tape – for almost invisible welding seams and a flawless appearance. The result: an elegant pool floor without noticeable transitions and edges, which makes cleaning easier and increases the service life of the membrane.

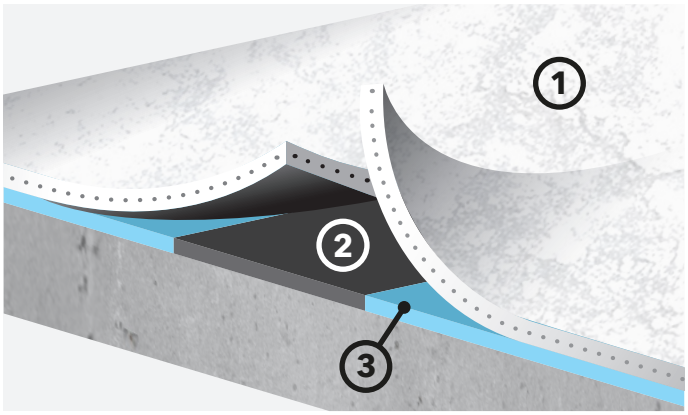
Advantage of UNIDRIVE 505 Butt Welding

For the pool builder:

- Higher efficiency through the use of a semi-automatic machine, significantly faster than welding with a manual device and manual pressure roller
- Consistent welding results
- Easy handling of the device and ergonomic operation
- More stability and safety when welding thanks to 3-point support
- Durable, thanks to its brushless motor

For the pool owner:

- Invisible weld seams (particularly suitable and important for design membranes)
- No perceptible transitions or edges
- Easier to clean (e.g. by pool robots)



Butt welding on seam tape

1 Membrane

2 Seam tape

3 Antibacterial fleece

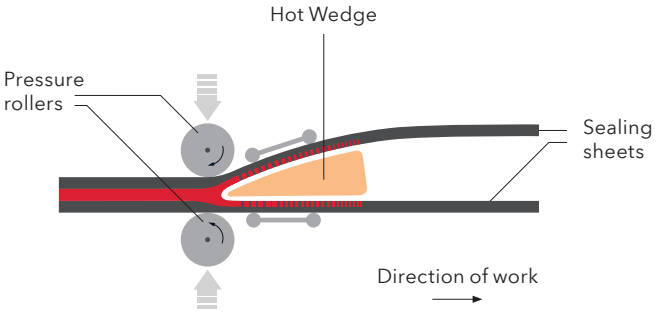
All Leister swimming pool sealing products can be found from page 10 onwards.

Welding Ponds

Ponds transform both public spaces and private gardens into varied water landscapes. They enrich the surrounding area with their calming presence and promote biodiversity by providing a habitat for plants and animals. Leister offers the appropriate welding machines for the two technologies used to permanently join plastic sealing sheets for ponds. Only the overlap welding technique is used for ponds.

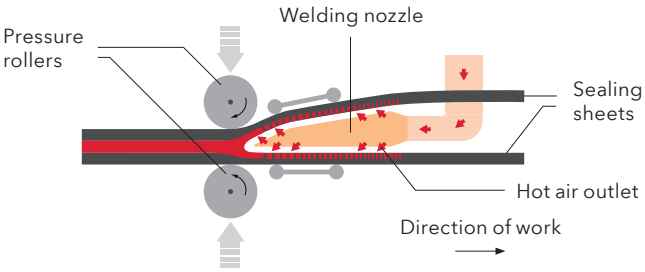
Hot Wedge Technology

With hot wedge technology, the plastic membrane is pressed against the surface of the hot wedge. The physical contact transfers the heat energy into the membrane, causing it to plasticize. The hot wedge process, for example with the COMET 700 or COMET 500 from Leister, is very efficient for welding HDPE.



Combined Wedge Technology

In combi-wedge welding machines, for example Leister's TWINNY T7 or TWINNY T5, the energy is introduced into the material via a combination of hot air and physical contact with the wedge surface. The incoming hot air dries the residual moisture and blows away any dust. Combined wedge welding machines weld HDPE, LDPE and PVC materials without changing configuration.



All of Leister's devices for sealing ponds can be found on page 16 onward.

Request a free expertise now

Producing Prefabricated Pools

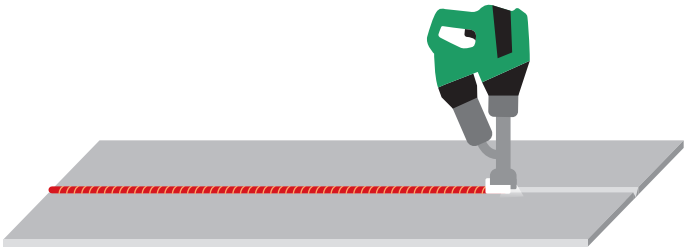
Swimming pools and elements of water treatment systems, such as filter systems, can be made entirely from hard plastic. The thermoplastic parts are welded together by thermal joining. Sheets and pipes made of polypropylene and polyethylene are mainly used. The following welding processes are primarily suitable for the manufacture of hard plastic swimming pools.

Hot Air Welding

For hot air welding, the PENWELD A requires a high-speed welding nozzle that matches the shape of the filler material. The process is faster, uniform, and more efficient than hot air welding. In addition, larger cross-section profiles of the welding rod can be processed in one pass.

Hot Air Extrusion Welding

For wall thicknesses of around 6 mm and above, hot-air extrusion welding is preferable to hot-air draw welding. Compared to manual welding, extrusion welding with the WELDPLAST S1, WELDPLAST S2, FUSION 1 or FUSION 2 means shorter working times, higher mechanical strength and lower residual stress. This leads to higher process safety and greater efficiency.



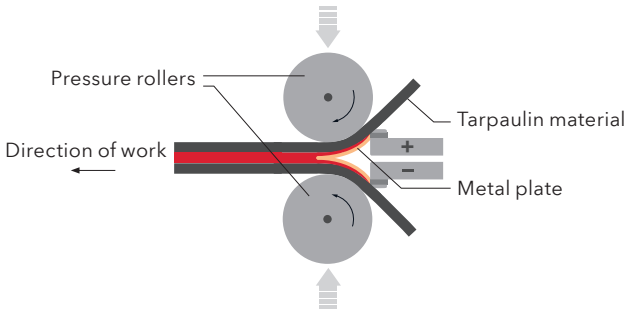
All of Leister's devices for welding prefabricated pools can be found on page 22 onward.

Making Pool Covers

Swimming pools are covered to protect the water surface from contamination, excessive cooling and for safety reasons. This can be done using sliding roofs or roller shutters. Roll-up covers consist of a membrane that has been further processed using various welding procedures. Two technologies are used to weld pool covers or awnings. All welded seams at pool covers are welded with the overlap welding technique.

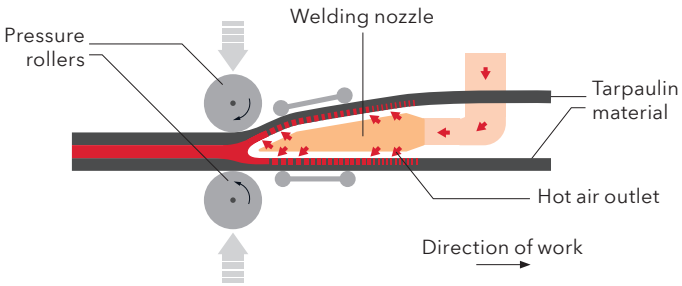
Low-voltage Technology

With low-voltage technology, the energy is supplied via a thin metal plate (wedge) at 5 V and 300–600 amps. The wedge heats up in the process. The low mass of the wedge makes temperature control very fast. The SEAMTEK W-900 AT from Leister is ideally suited to this application.



Hot-air Technology

In hot-air welding, hot air is supplied via a nozzle. The process is contactless, relatively simple and versatile. The UNIPLAN and HEMTEK machines are ideal for welding swimming pool covers.



Set up a consultation with experts

All of Leister's devices for welding pool covers can be found on page 28 onwards.

Swimming Pool Construction Devices

Pond Construction Devices

Prefabricated Pool Construction Devices

Pool Cover Devices

Devices for all Applications

Certified Products Meet Global Standards

Our products are designed and developed according to national and international standards. Product standards, such as ISO, IEC, EN or UL standards, are also taken into account, as well as application-related standards and guidelines.

UNIDRIVE 505

The UNIDRIVE 505 simplifies butt welding on seam tape of fabric-reinforced, printed and textured geomembranes in pool construction. Even inexperienced users can achieve aesthetic and functional weld seams.

Technical data

Voltage	120 V; 230 V	
Frequency	50/60 Hz	
Power	1800–2300 W	
Speed	0.7–4.5 m/min	2.29–14.76 ft/min
Temperature	100–560 °C	212–1040 °F
Air volume adjustable	Yes	
Welding nozzle / seam width	40 mm	1.18 in
Welding materials	PVC	
LQS	No	
Display	Yes	
Brushless drive motor	Yes	
Reversable drive	No	
Length	275 mm	10.82 in
Width	173 mm	6.81 in
Height	297 mm	11.69 in
Weight	4.5 kg	9.92 lb
Power cable length	3 m	9.84 ft
Approvals	CB Certification; CE	
Protection class	I	
Country of origin	Switzerland	

Product items

UNIDRIVE 505, 230V/2300W, 40mm, EU plug	135.530
UNIDRIVE 505, 230V/2300W, 40mm, CEE 3/16	135.531
UNIDRIVE 505, 120V/1800W, 40mm, US plug	135.532

Machine specific accessories

135.516
Welding plate

Configure product

UNIDRIVE 500

UNIDRIVE 500 semi-automatic welding machine combines manual and automatic welding in a handy plastic welding device. Developed for small roofs, skylight welding, roof connections and small terraces.

Technical data

Voltage	100 V; 120 V; 230 V	
Frequency	50/60 Hz	
Power	1500–2300 W	
Speed	0.7–4.5 m/min	2.29–14.76 ft/min
Temperature	100–580 °C	212–1076 °F
Air volume adjustable	Yes	
Welding nozzle / seam width	15–40 mm	0.59–1.57 in
Welding materials	ECB; EPDM; EVA; FPO; PIB; PO; PU; PVC; TPE; TPO; TPU	
LQS	No	
Display	Yes	
Brushless blower motor	Yes	
Brushless drive motor	Yes	
Reversable drive	Yes	
Length	275 mm	10.82 in
Width	173 mm	6.81 in
Height	297 mm	11.69 in
Weight	4.5 kg	9.92 lb
Power cable length	3 m	9.84 ft
Approvals	CB Certification; CE; UKCA	
Protection class	I	
Country of origin	Switzerland	

Product items

UNIDRIVE 500, 230V/2300W, 40mm, EU plug	163.144
UNIDRIVE 500, 230V/2300W, 40mm, CH plug	163.145
UNIDRIVE 500, 230V/2300W, 40mm, CEE 3/16	163.146
UNIDRIVE 500, 120V/1800W, 40mm, US plug	163.147
UNIDRIVE 500, 120V/1800W, 40mm, CEE 3/16	163.148
UNIDRIVE 500, 100V/1500W, 40mm, JP plug	163.149
UNIDRIVE 500, 230V/2300W, 30mm, EU plug	163.150
UNIDRIVE 500, 230V/2300W, 40mm steel rollers, CEE 3/16	163.151
UNIDRIVE 500, 230V/2300W, 15mm steel rollers, CEE 3/16	163.152
UNIDRIVE 500, 230V/2300W, 40mm, w/o plug	179.197

Configure product

Nozzles

164.586
Overlap welding nozzle 15 mm

164.576
Overlap welding nozzle 30 mm

170.120
Inseam scraping nozzle, 40 mm

178.119
Overlap welding nozzle left 40 mm

Machine specific accessories

163.930
Pressure roller 15 mm

163.357
Pressure roller 40 mm

162.551
Support roller

VARIMAT 300

The VARIMAT 300 roof welding machine enables easy and intiuitive welding of flat roofs. High contact pressure, tracking accuracy and flexible transport axis for sustainable welding quality are further plus points.

Technical data

Voltage	230 V; 400 V	
Frequency	50/60 Hz	
Power	3680–5700 W	
Speed	1–10 m/min	3.28–32.81 ft/min
Temperature	100–620 °C	212–1148 °F
Air volume adjustable	Yes	
Welding nozzle / seam width	40 mm	1.57 in
Welding materials	ECB; EPDM; EVA; FPO; PIB; PO; PVC; PVC-P; TPE; TPO; TPU	
LQS	No	
Brushless blower motor	No	
Brushless drive motor	Yes	
Length	605 mm	23.81 in
Width	335 mm	13.18 in
Height	373 mm	14.68 in
Weight	37.5 kg	82.67 lb
Power cable length	5 m	16.4 ft
Approvals	CB Certification; CE	
Protection class	I	
Country of origin	Switzerland	

Product items

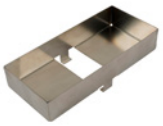
VARIMAT 300, 400V/5700W, 40mm, CEE 5/16	173.184
VARIMAT 300, 230V/3680W, 40mm, EU plug	173.185
VARIMAT 300, 230V/3680W, 40mm, CEE 3/16	173.186
VARIMAT 300, 230V/3680W, 40mm, °F, w/o plug	174.616

Configure product

Nozzles

176.291
Power scraping nozzle, 40 mm, VARIMAT 700/500/300

Machine specific accessories



134.005
Accessories box VARIMAT 700/500/300

171.490
Additional weight

173.090
Nozzle adjustment gauge VARIMAT 700/500/300

175.074
Rolling Transport Case VARIMAT 700/500/300

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.

Technical data

Voltage	100 V; 120 V; 230 V	
Frequency	50/60 Hz	
Power	1500–3450 W	
Speed	1–10 m/min	3.28–32.81 ft/min
Temperature	100–600 °C	212–1112 °F
Air volume adjustable	Yes	
Welding nozzle / seam width	30–40 mm	1.18–1.57 in
Welding materials	Bitumen; ECB; EPDM; EVA; FPO; PIB; PVC; TPE; TPO; TPU	
LQS	No	
Brushless blower motor	No	
Brushless drive motor	Yes	
Length	475 mm	18.7 in
Width	244 mm	9.6 in
Height	260 mm	10.23 in
Weight	17 kg	37.47 lb
Power cable length	3 m	9.84 ft
Approvals	CB Certification; CE; UKCA	
Protection class	I	
Country of origin	Switzerland	

Product items

UNIROOF 300, 230V/3450W, 40mm, EU plug	168.634
UNIROOF 300, 120V/1800W, 40mm, US plug	168.635
UNIROOF 300, 100V/1500W, 40mm, JP plug	168.636
UNIROOF 300, 230V/3450W, 40mm, CEE 3/16	168.637
UNIROOF 300, 230V/3450W, 30mm, EU plug	168.638
UNIROOF 300, 230V/3450W, 40mm, w/o plug	168.639
UNIROOF 300, 230V/3450W, 40mm, CH plug	176.841

Configure product

Nozzles

170.119
Inseam scraping nozzle, 40 mm, UNIROOF

Machine specific accessories

137.843
Guide bar top

154.522
Transport axis, 300 mm

152.706
Transport axis 210 mm, with movable wheels

167.345
Nozzle adjustment gauge UNIROOF 700/300


Pro CORE 18V 4.0

VACUUM PLATE 100-LP

The compact, quiet VACUUM PLATE 100-LP vacuum testing device is designed for leak testing welding seams on roofs and in swimming pools. The integrated AMPShare battery from Bosch enables cordless operation.

Technical data

Voltage battery	18 V	
Battery capacity	72 Wh	
Voltage	220–240 V	
Frequency	50/60 Hz	
Max. vacuum	0.02 bar	0.29 psi
Length	360 mm	14.17 in
Width	320 mm	12.59 in
Height	155 mm	6.1 in
Weight	2 kg	4.4 lb
Plug	EU/CH, 2 poles, 2.5A	
Noise emission level	78 dB (A)	
Approvals	CE	
Country of origin	Switzerland	

Product items

VACUUM PLATE 100-LP, 18.0V/4.0Ah, EU/CH plug	144.000
VACUUM PLATE 100-LP, w/o battery, w/o charger	144.800

Configure product

Machine specific accessories

177.562
Tool case

TWINNY T7

The TWINNY T7 automatic welder with combi-wedge is the new edition to the well-rounded TWINNY T and is ideal for welding thick and thin geomembranes on rough/uneven subsurfaces.

Technical data

Voltage	230 V	
Frequency	50/60 Hz	
Power	3450 W	
Speed	0.8–8 m/min	2.62–26.24 ft/min
Temperature	100–560 °C	212–1040 °F
Max. welding pressure	1000 N	224.8 lbf
Max. overlap	125 mm	4.92 in
Welding materials	CSPE; EPDM; FPO; HDPE; LDPE; LLDPE; PP; PVC; TPO	
Weldable material thicknesses	0.3–3 mm	11.81–118.11 mil
LQS	Yes	
Brushless blower motor	Yes	
Length	350 mm	13.77 in
Width	360 mm	14.17 in
Height	260 mm	10.23 in
Weight	10.5 kg	23.14 lb
Approvals	CE; UKCA	
Protection class	I	
Country of origin	Switzerland	

Product items

TWINNY T7, 230V/3450W, combi-wedge long test channel, EU plug	164.197
TWINNY T7, 230V/3450W, combi-wedge long test channel, CEE 3/16	164.198
TWINNY T7, 230V/3450W, combi-wedge short test channel, EU plug	164.214
TWINNY T7, 230V/3450W, combi-wedge short test channel, CEE 3/16	164.215
TWINNY T7, 230V/3450W, combi-wedge long, EU plug	164.216
TWINNY T7, 230V/3450W, combi-wedge long, CEE 3/16	164.217
TWINNY T7, 230V/3450W, combi-wedge short, EU plug	164.218
TWINNY T7, 230V/3450W, combi-wedge short, CEE 3/16	164.219
TWINNY T7, 230V/3450W, combi-wedge short, silicone, EU plug	164.220

Configure product

Machine specific accessories

155.629
Combi-wedge long, 50mm with test channel, TWINNY T5/T7 230V

155.630
Combi-wedge long, 50mm without test channel, TWINNY T5/T7 230V

155.634
Combi-wedge short, 50mm with test channel, TWINNY T5/T7 230V

155.637
Combi-wedge short, 50mm without test channel, TWINNY T5/T7 230V

173.340
Zero overlap guide, COMET 700/500, TWINNY T7/T5

159.135
Guide bar complete COMET 700/500, TWINNY T7/T5

172.927
Indoor kit, TWINNY T7/T5, COMET 700/500

172.929
Field kit, TWINNY T7/T5, COMET 700/500

TWINNY T5

The TWINNY T5 automatic welder makes plastic welding easy and practical, whether it's welding thick or thin geomembranes in civil engineering, swimming pool construction, mine construction, landfill engineering or fish farm tanks.

Technical data

Voltage	120–230 V	
Frequency	50/60 Hz	
Power	1800–3450 W	
Speed	0.8–8 m/min	2.62–26.24 ft/min
Temperature	100–560 °C	212–1040 °F
Max. welding pressure	1000 N	224.8 lbf
Max. overlap	125 mm	4.92 in
Welding materials	CSPE; EPDM; FPO; HDPE; LDPE; LLDPE; PP; PVC; TPO	
Weldable material thicknesses	0.3–3 mm	11.81–118.11 mil
LQS	No	
Brushless blower motor	No	
Length	350 mm	13.77 in
Width	360 mm	14.17 in
Height	260 mm	10.23 in
Weight	9.9 kg	21.82 lb
Approvals	CE; UKCA	
Protection class	I	
Country of origin	Switzerland	

Product items

TWINNY T5, 230V/3450W, combi-wedge long test channel, EU plug	164.222
TWINNY T5, 230V/3450W, combi-wedge long test channel, CEE 3/16	164.223
TWINNY T5, 230V/3450W, combi-wedge short test channel, EU plug	164.224
TWINNY T5, 230V/3450W, combi-wedge short test channel, CEE 3/16	164.225
TWINNY T5, 230V/3450W, combi-wedge long, EU plug	164.226
TWINNY T5, 230V/3450W, combi-wedge short, EU plug	164.228
TWINNY T5, 230V/3450W, combi-wedge short, CEE 3/16	164.229
TWINNY T5, 120V/1800W, combi-wedge short test channel, CEE 3/16	164.232
TWINNY T5, 120V/1800W, combi-wedge short, CEE 3/16	164.233

Configure product

Machine specific accessories

155.629
Combi-wedge long, 50mm with test channel, TWINNY T5/T7 230V

155.630
Combi-wedge long, 50mm without test channel, TWINNY T5/T7 230V

155.634
Combi-wedge short, 50mm with test channel, TWINNY T5/T7 230V

155.637
Combi-wedge short, 50mm without test channel, TWINNY T5/T7 230V

173.340
Zero overlap guide, COMET 700/500, TWINNY T7/T5

159.135
Guide bar complete COMET 700/500, TWINNY T7/T5

172.927
Indoor kit, TWINNY T7/T5, COMET 700/500

172.929
Field kit, TWINNY T7/T5, COMET 700/500

COMET 700

The geo-welding machine, COMET 700, is equipped with Wi-Fi, GPS and the Leister-Quality-System (LQS) for quality documentation. It welds thick and thin geo-membranes reliably and efficiently to deliver ultimate user-satisfaction.

Technical data

Voltage	120 V; 230 V	
Frequency	50/60 Hz	
Power	1700–2300 W	
Speed	0.8–8 m/min	2.62–26.24 ft/min
Temperature	80–460 °C	176–860 °F
Hot wedge length	60–90 mm	2.36–3.54 in
Hot wedge material	Copper; Stainless steel	
Max. welding pressure	1000 N	224.8 lbf
Max. overlap	125 mm	4.92 in
Welding materials	CSPE; FPO; HDPE; LDPE; LLDPE; PE; PP; PVC; TPO	
Weldable material thicknesses	0.5–3 mm	19.68–118.11 mil
LQS	Yes	
Length	325 mm	12.79 in
Width	245 mm	9.64 in
Height	260 mm	10.23 in
Weight	9.4 kg	20.72 lb
Approvals	CE; UKCA	
Protection class	I	
Country of origin	Switzerland	

Product items

COMET 700, 120V/1700W, copper 60x50mm test channel, CEE 3/16	168.248
COMET 700, 230V/2300W, copper 90x50mm test channel, EU plug	168.644
COMET 700, 230V/2300W, copper 60x50mm test channel, EU plug	168.648
COMET 700, 120V/1700W, steel 60x50mm, CEE 3/16	168.653
COMET 700, 230V/2300W, copper 90x50mm test channel, CEE 3/16	168.656
COMET 700, 230V/2300W, steel 90x50mm test channel, CEE 3/16	168.657
COMET 700, 230V/2300W, steel 90x50mm, CEE 3/16	168.660
COMET 700, 230V/2300W, copper 60x50mm test channel, CEE 3/16	168.662
COMET 700, 230V/2300W, steel 60x50mm, CEE 3/16	168.665

Configure product

COMET 500

The COMET 500 hot-wedge welding machine is compact and easy to transport. It is particularly suitable for welding of thick and thin geomembranes made of PE, HDPE and LDPE in civil engineering.

Technical data

Voltage	230 V	
Frequency	50/60 Hz	
Power	2300 W	
Speed	0.8–8 m/min	2.62–26.24 ft/min
Temperature	80–460 °C	176–860 °F
Hot wedge length	60 mm	2.36 in
Hot wedge material	Copper; Stainless steel	
Max. welding pressure	1000 N	224.8 lbf
Max. overlap	125 mm	4.92 in
Welding materials	CSPE; FPO; HDPE; LDPE; LLDPE; PE; PP; PVC; TPO	
Weldable material thicknesses	0.5–3 mm	19.68–118.11 mil
LQS	No	
Length	325 mm	12.79 in
Width	245 mm	9.64 in
Height	260 mm	10.23 in
Weight	9.2 kg	20.28 lb
Approvals	CE; UKCA	
Protection class	I	
Country of origin	Switzerland	

Product items

COMET 500, 230V/2300W, copper 60x50mm test channel, CEE 3/16	170.562
COMET 500, 230V/2300W, steel 60x50mm test channel, CEE 3/16	170.563
COMET 500, 230V/2300W, steel 60x50mm, CEE 3/16	170.565

Configure product

Machine specific accessories

173.340
Zero overlap guide, COMET 700/500, TWINNY T7/T5

159.135
Guide bar complete COMET 700/500, TWINNY T7/T5

172.927
Indoor kit, TWINNY T7/T5, COMET 700/500

172.929
Field kit, TWINNY T7/T5, COMET 700/500

172.409
Drive roller extension

COUPON CUTTER 500

The COUPON CUTTER 500 is ideal for punching test strips. As preparation for tensile testing of geomembrane weld seams, this indestructible, manual tool is essential for every landfill and tunnel construction site.

Technical data

Sample width	15–25 mm	0.59–0.98 in
Sample length	150 mm	5.9 in
Max. sample thickness	3 mm	0.11 in
Weight	15 kg	33.06 lb
Country of origin	Switzerland	

Product items

COUPON CUTTER 500	161.540

Machine specific accessories

161.315
Tool case

Spare parts

164.854
Spare blade set

160.576
PE cutting plate

Configure product

VACUUM PLATE 300

The VACUUM PLATE 300 enables leak detection in geomembranes and roofing membranes in their respective applications. Thanks to its flexibility, it easily adapts to uneven surfaces.

Technical data

Voltage	120 V; 230 V	
Voltage	120–240 V	
Frequency	50/60 Hz	
Power	1100 W	
Max. vacuum	0.17 bar	2.46 psi
Manometer scale	bar, inHg	
Length	750 mm	29.52 in
Width	250 mm	9.84 in
Height	200 mm	7.87 in
Weight	7.7 kg	16.97 lb
Plug	CEE blue, 3 poles, 16A; EU, 3 poles, 16A; US, 2 poles, 15A, polarized	
Power cable length	3 m	9.84 ft
Approvals	CE	
Protection class	II	
Country of origin	Switzerland	

Product items

VACUUM PLATE 300, 120V/1100W, US plug	169.579
VACUUM PLATE 300, 230V/1100W, EU plug	169.580
VACUUM PLATE 300, 230V/1100W, CEE 3/16	172.402

Configure product

Machine specific accessories

168.944
Tool case

WELDPLAST S1

The WELDPLAST S1 extruder is functional in its applications. Pre-heated air and plastic temperature are regulated separately, which guarantees a stable welding process and high-quality welding results.

Technical data

Voltage	100 V; 120 V; 220 V; 230 V	
Frequency	50/60 Hz; 60 Hz	
Power	1500–1800 W	
Welding rod	ø 3–4 mm / 0.12–0.16 in	
Material output ø 3 mm	0.2–0.5 kg/h	0.44–1.1 lb/h
Material output ø 4 mm	0.3–0.8 kg/h	0.66–1.76 lb/h
Welding materials	ABS; ECTFE; FPO; HDPE; LDPE; LLDPE; PA; PC; PP; PVC-C; PVC-U; PVDF; TPO	
Air guide	External	
Screw heating	Coil heater	
Air temperature control	Closed loop	
LQS	No	
Display	Yes	
Brushless blower motor	Yes	
Brushless drive motor	No	
LED Working light	Yes	
Length	435 mm	17.12 in
Width	91 mm	3.58 in
Height	264 mm	10.39 in
Weight	4.7 kg	10.36 lb
Power cable length	3–5 m	9.84–16.4 ft
Noise emission level	76 dB (A)	
Approvals	CB Certification; CE; KC; UKCA	
Protection class	I	
Country of origin	Switzerland	

Product items

WELDPLAST S1, 100V/1500W, w/o plug	148.394
WELDPLAST S1, 120V/1800W, w/o plug	148.395
WELDPLAST S1, 230V/1600W, EU plug	148.396
WELDPLAST S1, 230V/1600W, UK plug	156.140
WELDPLAST S1, 220V/1500W, KR plug	169.928
WELDPLAST S1, 230V/1600W, CEE 3/16	177.272

Configure product

Machine specific accessories

149.364
Welding shoe small CL14 EA

146.230
Welding shoe CL14 EA

146.218
Welding shoe CS20 EA

149.600
Hot air guide top ø 14 mm WELDPLAST S1

154.002
Insulating cuff WELDPLAST S1/S2

148.923
Tool stand WELDPLAST S1

143.776
Dust filter textile WELDPLAST S1/S2

178.630
Hot air guide internal WELDPLAST S1

WELDPLAST S2

The WELDPLAST S2 extruder processes materials such as HDPE and PP at a high output volume. Thanks to its design, this extruder is particularly nimble when deployed and facilitates versatile, safe plastic welding.

Technical data

Voltage	200 V; 230 V	
Frequency	50/60 Hz	
Power	2400–3000 W	
Welding rod	ø 3–4 mm / 0.12–0.16 in	
Material output ø 3 mm	0.6–1.3 kg/h	1.32–2.86 lb/h
Material output ø 4 mm	1–2 kg/h	2.2–4.4 lb/h
Welding materials	HDPE; LDPE; LLDPE; PP	
Air guide	Internal	
Screw heating	Coil heater	
Air temperature control	Closed loop	
LQS	No	
Display	Yes	
Brushless blower motor	Yes	
Brushless drive motor	No	
LED Working light	No	
Length	450 mm	17.71 in
Width	98 mm	3.85 in
Height	260 mm	10.23 in
Weight	5.8 kg	12.78 lb
Power cable length	3–5 m	9.84–16.4 ft
Noise emission level	78 dB (A)	
Approvals	CE; KC	
Protection class	I	
Country of origin	Switzerland	

Product items

WELDPLAST S2, 230V/3000W, EU plug	127.215
WELDPLAST S2, 230V/3000W, CN plug	140.707
WELDPLAST S2, 200V/2400W, w/o plug	146.341
WELDPLAST S2, 230V/3000W, CEE 3/16	156.131
WELDPLAST S2, 230V/3000W, CH plug	176.839

Configure product

Machine specific accessories

145.811
Welding shoe CL14 IA

145.488
Welding shoe CS20 IA

154.002
Insulating cuff WELDPLAST S1/S2

131.451
Tool stand WELDPLAST S2, FUSION 2/3C

143.776
Dust filter textile WELDPLAST S1/S2

FUSION 1

The FUSION 1 extruder is particularly easy to handle. Double-sided rod intake and rotating welding shoe guarantee maximum welding flexibility. It's suitable for plastic repairs, as well as pipeline and container construction.

Technical data

Voltage	120 V; 220 V; 230 V	
Frequency	50/60 Hz; 60 Hz	
Power	1100–1450 W	
Welding rod	ø 3–4 mm / 0.12–0.16 in	
Material output ø 3 mm	0.2–0.5 kg/h	0.44–1.1 lb/h
Material output ø 4 mm	0.3–0.8 kg/h	0.66–1.76 lb/h
Welding materials	FPO; HDPE; LDPE; LLDPE; PP; TPO	
Air guide	Internal	
Screw heating	Air heated	
Air temperature control	Closed loop	
LQS	No	
Display	Yes	
Brushless blower motor	No	
Brushless drive motor	No	
LED Working light	Yes	
Length	435 mm	17.12 in
Width	92 mm	3.62 in
Height	133 mm	5.23 in
Weight	3.4 kg	7.49 lb
Power cable length	3 m	9.84 ft
Noise emission level	< 70 dB(A)	
Approvals	CE; KC	
Protection class	II	
Country of origin	Switzerland	

Product items

FUSION 1, 120V/1450W, US plug	162.799
FUSION 1, 230V/1200W, EU plug	162.800
FUSION 1, 230V/1200W, CH plug	163.163
FUSION 1, 230V/1200W, AU plug	163.164
FUSION 1, 230V/1200W, CEE 3/16	163.165
FUSION 1, 220V/1100W, KR plug	166.367
FUSION 1, 230V/1200W, w/o plug	179.196

Configure product

Machine specific accessories

163.793
Welding shoe small CL14 IA

145.811
Welding shoe CL14 IA

145.488
Welding shoe CS20 IA

172.570
Welding shoe small CL8 IA

162.665
Insulating cuff FUSION 1

FUSION 2

The FUSION 2 extruder is a stable and optimized extrusion welder that makes extrusion welding especially easy. Well-suited for PE and PP welding.

Technical data

Voltage	120 V; 220 V; 230 V	
Frequency	50/60 Hz; 60 Hz	
Power	2600–2800 W	
Welding rod	ø 4 mm / 0.16 in	
Material output ø 4 mm	1.3–1.8 kg/h	2.86–3.96 lb/h
Welding materials	HDPE; LDPE; LLDPE; PP	
Air guide	Internal	
Screw heating	Air heated	
Air temperature control	Open loop	
LQS	No	
Display	No	
Brushless blower motor	No	
Brushless drive motor	No	
LED Working light	No	
Length	450 mm	17.71 in
Width	98 mm	3.85 in
Height	225 mm	8.85 in
Weight	5.9 kg	13 lb
Power cable length	3–5 m	9.84–16.4 ft
Noise emission level	86 dB (A)	
Approvals	CB Certification; CE; KC	
Protection class	II	
Country of origin	Switzerland	

Product items

FUSION 2, 230V/2800W, EU plug	119.200
FUSION 2, 230V/2800W, CEE 3/16	139.197
FUSION 2, 120V/2800W, CEE 3/16	150.102
FUSION 2, 220V/2600W, KR plug	166.366
FUSION 2, 230V/2800W, CH plug	176.837
FUSION 2, 230V/2800W, w/o shoe, w/o plug	179.193

Configure product

Machine specific accessories

145.811
Welding shoe CL14 IA

145.488
Welding shoe CS20 IA

166.524
Insulating cuff FUSION 2

131.451
Tool stand WELDPLAST S2, FUSION 2/3C

135.082
Air filter FUSION 2/3C

PENWELD A

The PENWELD A external-air welder is suitable for precise plastic welding in apparatus and tank construction. The work light integrated in the handle keeps the welding zone under control even in dark sections.

Technical data

Voltage	120 V; 230 V	
Frequency	50/60 Hz	
Power	1000–1550 W	
Temperature	60–600 °C	140–1112 °F
Temperature setting stepless	Yes	
Display	Yes	
Outdoor use	Yes	
Nozzle connection ø	31.5 mm / 1.25 in; M14	
Length	254–282 mm	10–11.1 in
Device diameter	54 mm	2.12 in
Handle diameter	37 mm	1.45 in
Weight	0.43–0.48 kg	0.94–1.05 lb
Power cable length	0.5 m	1.64 ft
Approvals	CB Certification; CE; UKCA	
Protection class	II	
Country of origin	Switzerland	

Product items

PENWELD 305-A, 230V/1000W, 3m, M14, EU plug	173.367
PENWELD 305-A, 120V/1000W, 3m, M14, US plug	173.368
PENWELD 305-A, 230V/1000W, 3m, M14, CH plug	173.369
PENWELD 305-A, 230V/1000W, 8m, M14, EU plug	173.370
PENWELD 305-A, 230V/1000W, 8m, M14, CH plug	173.371
PENWELD 500-A, 230V/1550W, 3m, EU plug	173.376
PENWELD 500-A, 120V/1550W, 3m, US plug	173.377
PENWELD 305-A, 120V/1000W, 8m, M14, US plug	173.666
PENWELD 505-A, 230V/1550W, 8m, M14, EU plug	175.598
PENWELD 500-A, 230V/1550W, 3m, CN plug	177.344
PENWELD 505-A, 230V/1550W, 8m, M14, CN plug	177.346

Configure product

PENWELD S

The handy, robust PENWELD S external-air welder is intentionally simple in design to enable intuitive operation and withstand heavy loads. Different device variants cover individual needs.

Technical data

Voltage	120 V; 230 V	
Frequency	50/60 Hz	
Power	1000–1550 W	
Temperature	60–600 °C	140–1112 °F
Temperature setting stepless	Yes	
Display	No	
Outdoor use	Yes	
Nozzle connection ø	31.5 mm / 1.25 in; M14	
Length	254–275 mm	10–10.82 in
Device diameter	54 mm	2.12 in
Handle diameter	37 mm	1.45 in
Weight	0.41–0.46 kg	0.9–1.01 lb
Power cable length	0.5 m	1.64 ft
Approvals	CE; UKCA	
Protection class	II	
Country of origin	Switzerland	

Product items

PENWELD 305-S, 230V/1000W, 3m, M14, EU plug	173.372
PENWELD 305-S, 230V/1000W, 3m, M14, CH plug	173.373
PENWELD 305-S, 120V/1000W, 3m, M14, US plug	173.374
PENWELD 305-S, 230V/1000W, 8m, M14, EU plug	173.375
PENWELD 500-S, 230V/1550W, 3m, EU plug	173.378
PENWELD 500-S, 120V/1550W, 3m, US plug	173.379
PENWELD 500-S, 230V/1550W, 3m, CN plug	177.345

Configure product

Nozzles

106.988
Tacking nozzle (M14)

113.666
Drawing nozzle (M14) Profile D ø3

113.399
Drawing nozzle (M14) Profile D ø4

113.670
Drawing nozzle (M14) Profile A 90-5.7

105.622
Tubular nozzle (M14) ø 5 mm, 43 mm

107.137
Speed welding nozzle (ø 8.0) Profile C 8x2

Machine specific accessories

170.881
Tool stand PENWELD

AIRSTREAM 100

The mobile AIRSTREAM 100 blower supplies the right amount of air for Leister's DIODE, PENWELD and LABOR heat guns. A suitable adapter is included in the scope of delivery to easily connect the heat guns.

Technical data

Voltage	120 V; 230 V	
Frequency	50 Hz; 60 Hz	
Power	72 W	
Airflow (20°C)	80 l/min	2.82 cfm
Static pressure	15000 Pa	2.17 psi
Ambient temperature	-10–40 °C	14–104 °F
Air outlet (outer diameter)	14.5 mm	0.57 in
Blower type	Linear piston compressor	
Length	440 mm	17.32 in
Width	228 mm	8.97 in
Height	227 mm	8.93 in
Weight	7.2 kg	15.87 lb
Power cable length	3 m	9.84 ft
Noise emission level	< 48 dB(A)	
Approvals	CE	
Protection class	I	
Country of origin	Switzerland	

Product items

AIRSTREAM 100, 230V/72W, CH plug	171.350
AIRSTREAM 100, 230V/72W, EU plug	171.351
AIRSTREAM 100, 230V/72W, CN plug	177.497
AIRSTREAM 100, 120V/86W, US plug	178.040

Configure product

UNIPLAN 510

The UNIPLAN 510 is an efficient automatic welder with premium nozzles, advanced heating, a strong brushless motor (18,000 rpm), and intuitive HMI. Ideal for welding seams, hems, and piping on truck tarpaulins and tents.

Technical data

Voltage	120 V; 230 V	
Frequency	50/60 Hz	
Power	1800–3450 W	
Speed	1–16 m/min	3.28–52.49 ft/min
Temperature	100–620 °C	212–1148 °F
Air volume adjustable	Yes	
Welding nozzle / seam width	20–30 mm	0.78–1.18 in
LQS	No	
Brushless blower motor	Yes	
Brushless drive motor	Yes	
Length	500 mm	19.68 in
Width	310 mm	12.2 in
Height	300 mm	11.81 in
Weight	16 kg	35.27 lb
Power cable length	3 m	9.84 ft
Approvals	CB Certification; CE; UKCA	
Protection class	I	
Country of origin	Switzerland	

Product items

UNIPLAN 510, 230V/3450W, 40mm, CN 16(2P+PE)	177.403
UNIPLAN 510, 230V/3450W, 30mm, CN 16(2P+PE)	177.404
UNIPLAN 510, 230V/3450W, 20mm, CN 16(2P+PE)	177.406
UNIPLAN 510, 120V/1800W, 20mm, US plug	179.071
UNIPLAN 510, 120V/1800W, 30mm, US plug	179.072
UNIPLAN 510, 120V/1800W, 40mm, US plug	179.073
UNIPLAN 510, 230V/3450W, 20mm, CEE 3/16A UK	179.077
UNIPLAN 510, 230V/3450W, 30mm, CEE 3/16A UK	179.078
UNIPLAN 510, 230V/3450W, 40mm, CEE 3/16A UK	179.079
UNIPLAN 510, 230V/3450W, 40mm, EU plug	179.086
UNIPLAN 510, 230V/3450W, 30mm, EU plug	179.087
UNIPLAN 510, 230V/3450W, 20mm, EU plug	179.088
UNIPLAN 510, 230V/3450W, 40mm, w/o plug	179.090

Configure product

Nozzles

164.315
Overlap welding nozzle 20 mm

164.314
Overlap welding nozzle 30 mm

160.421
Overlap welding nozzle 40 mm

Machine specific accessories

166.550
Piping kit 20 mm, UNIPLAN 3x0/5x0

165.600
Piping kit 30 mm, UNIPLAN 3x0/5x0

165.400
Piping kit 40 mm, UNIPLAN 3x0/5x0

160.351
Additional weight

UNIPLAN 310

The UNIPLAN 310 is a cost-effective, automatic welder with a premium welding nozzle and a brushed motor (12,500 rpm). Perfect for welding taped seams, hems and piping on truck tarpaulins, tents and billboards.

Technical data

Voltage	120 V; 230 V	
Frequency	50/60 Hz	
Power	1800–3450 W	
Speed	1–16 m/min	3.28–52.49 ft/min
Temperature	100–620 °C	212–1148 °F
Air volume adjustable	Yes	
Welding nozzle / seam width	40 mm	1.57 in
LQS	No	
Brushless blower motor	No	
Brushless drive motor	Yes	
Length	500 mm	19.68 in
Width	310 mm	12.2 in
Height	300 mm	11.81 in
Weight	15 kg	33.06 lb
Power cable length	3 m	9.84 ft
Approvals	CB Certification; CE; UKCA	
Protection class	I	
Country of origin	Switzerland	

Product items

UNIPLAN 310, 230V/3450W, 40mm, CN 16(2P+PE)	177.401
UNIPLAN 310, 230V/3450W, 30mm, CN 16(2P+PE)	177.402
UNIPLAN 310, 120V/1800W, 30mm, US plug	179.074
UNIPLAN 310, 120V/1800W, 40mm, US plug	179.075
UNIPLAN 310, 230V/3450W, 20mm, CEE 3/16	179.080
UNIPLAN 310, 230V/3450W, 30mm, CEE 3/16	179.081
UNIPLAN 310, 230V/3450W, 40mm, CEE 3/16	179.082
UNIPLAN 310, 230V/3450W, 40mm, EU plug	179.083
UNIPLAN 310, 230V/3450W, 30mm, EU plug	179.084
UNIPLAN 310, 230V/3450W, 20mm, EU plug	179.085
UNIPLAN 310, 230V/3450W, 40mm, w/o plug	179.089

Configure product

Nozzles

164.315
Overlap welding nozzle 20 mm

164.314
Overlap welding nozzle 30 mm

160.421
Overlap welding nozzle 40 mm

174.901
Thermal bonding nozzle

Machine specific accessories

166.550
Piping kit 20 mm, UNIPLAN 3x0/5x0

165.600
Piping kit 30 mm, UNIPLAN 3x0/5x0

165.400
Piping kit 40 mm, UNIPLAN 3x0/5x0

160.351
Additional weight

HEMTEK ST

The efficient HEMTEK ST welding machine welds hems from start to finish, ideal for smaller and medium-sized banners and tarpaulins made of PVC, PE, PP and other thermoplastics.

Technical data

Voltage	120 V; 230 V	
Frequency	50/60 Hz	
Power	1800–3450 W	
Speed	0.8–12 m/min	2.62–39.37 ft/min
Temperature	100–650 °C	212–1202 °F
Air volume adjustable	Yes	
Welding nozzle / seam width	20–40 mm	0.78–1.57 in
Length	433 mm	17.04 in
Width	350 mm	13.77 in
Height	600 mm	23.62 in
Weight	27 kg	59.52 lb
Power cable length	3 m	9.84 ft
Approvals	CB Certification; CE; UKCA	
Protection class	I	
Country of origin	Switzerland	

Product items

HEMTEK ST, 230V/3450W, 40mm, EU plug	157.860
HEMTEK ST, 230V/3450W, 30mm, EU plug	157.861
HEMTEK ST, 230V/2350W, 20mm, EU plug	157.862
HEMTEK ST, 230V/3450W, 40mm, CEE 3/16	157.866
HEMTEK ST, 230V/3450W, 30mm, CEE 3/16	157.867
HEMTEK ST, 230V/2350W, 20mm, CEE 3/16	157.868
HEMTEK ST, 120V/1800W, 40mm, US plug	157.869
HEMTEK ST, 120V/1800W, 30mm, US plug	157.870
HEMTEK ST, 120V/1800W, 20mm, US plug	157.871

Configure product

Nozzles

157.707
Hem welding nozzle 20 mm

157.706
Hem welding nozzle 30 mm

157.705
Hem welding nozzle 40 mm

Machine specific accessories

170.589
Double flap keder kit 40 mm

155.800
Adjustable overlap guide

159.780
Tape welding guide

157.879
Adjustable hem and piping guide for heavy materials

HEMTEK K-ST

The HEMTEK K-ST welds prefabricated piping quickly and effectively. The easy-to-use and infinitely adjustable guide enables safe piping production with different flag widths.

Technical data

Voltage	230 V	
Frequency	50/60 Hz	
Power	2350 W	
Speed	0.8–12 m/min	2.62–39.37 ft/min
Temperature	100–650 °C	212–1202 °F
Air volume adjustable	No	
Welding nozzle / seam width	8 mm	0.31 in
Length	433 mm	17.04 in
Width	350 mm	13.77 in
Height	600 mm	23.62 in
Weight	27 kg	59.52 lb
Power cable length	3 m	9.84 ft
Approvals	CB Certification; CE; UKCA	
Protection class	I	
Country of origin	Switzerland	

Product items

HEMTEK K-ST, 230V/2350W, 8mm, EU plug	162.499

Configure product

Nozzles

161.259
Flap piping welding nozzle 8 mm

Machine specific accessories

163.798
Nozzle adjustment gauge

162.379
Pressure roller 8 mm, top

161.202
Pressure roller 40 mm, bottom

SEAMTEK W-900 AT

With the innovative SEAMTEK W-900 AT welding machine, users weld technical textiles made of PVC, PE, PU and PP in a particularly efficient manner, while saving on energy consumption.

Technical data

Voltage	230–240 V	
Frequency	50/60 Hz	
Power	3900 W	
Speed	0.5–30 m/min	1.64–98.43 ft/min
Temperature	0–680 °C	32–1256 °F
Length	1500 mm	59.05 in
Width	702 mm	27.63 in
Height	1500 mm	59.05 in
Weight	238 kg	524.7 lb
Power cable length	2 m	6.56 ft
Approvals	CE; UKCA	
Protection class	I	

Machine specific accessories

163.175
HS wedge bracket 25 mm

162.700
3D wedge bracket 25 mm

155.403
Pressure roller 25 mm

157.630
Quickarm (not mounted)

168.354
Parameter switch pedal

142.200
Puller E

158.520
LED Gooseneck lamp

155.660
Adjustable overlap guide 0-64 mm

Spare parts

163.430
HS wedge 25 mm (set of 5)

163.422
3D wedge 25 mm (set of 5)

Configure product

SEAMTEK 900 AT

With the low-maintenance SEAMTEK 900 AT welding machine, even inexperienced users succeed in welding perfect taped seams, hems, piping and tape welds. Intuitive operation via touch screen.

Technical data

Voltage	230–240 V	
Frequency	50/60 Hz	
Power	4500 W	
Speed	0.1–30 m/min	0.32–98.43 ft/min
Temperature	120–700 °C	248–1292 °F
Air volume adjustable	Yes	
Length	1500 mm	59.05 in
Width	702 mm	27.63 in
Height	1500 mm	59.05 in
Weight	238 kg	524.7 lb
Power cable length	2 m	6.56 ft
Approvals	CE; UKCA	
Protection class	I	

Configure product

Nozzles

151.597
Welding nozzle SEAMTEK 25 mm

Machine specific accessories

154.593
Pressure roller 25 mm

157.630
Quickarm (not mounted)

157.629
Sidearm (not mounted)

142.200
Puller E

158.520
LED Gooseneck lamp

155.760
Adjustable hem and piping guide 0-60 mm

155.660
Adjustable overlap guide 0-64 mm

116.798
Wire brush, brass

Spare parts

150.581
Heating element, 230V/3600W

TRIAC AT

The TRIAC AT heat gun is designed to weld and mold plastic. The temperature and air quantity can be set separately by means of its e-Drive control unit.

Technical data

Voltage	100 V; 120 V; 220 V; 230 V	
Frequency	50/60 Hz; 60 Hz	
Power	1500–1600 W	
Temperature	40–620 °C	104–1148 °F
Temperature setting stepless	Yes	
Airflow (20°C)	120–240 l/min	4.23–8.47 cfm
Stepless air volume adjustment	Yes	
Static pressure	3000 Pa	0.43 psi
Eco-Mode	Yes	
Display	Yes	
e-Drive	Yes	
Outdoor use	Yes	
Nozzle connection ø	31.5 mm / 1.25 in; M14	
Length	335 mm	13.18 in
Device diameter	90 mm	3.54 in
Handle diameter	56 mm	2.2 in
Weight	1.02 kg	2.24 lb
Power cable length	3 m	9.84 ft
Noise emission level	67 dB (A)	
Approvals	CE; KC; S+; cULus	
Protection class	II	
Country of origin	Switzerland	

Product items

TRIAC AT, 230V/1600W, EU plug	141.314
TRIAC AT, 120V/1600W, US plug	141.316
TRIAC AT, 100V/1500W, JP plug	141.317
TRIAC AT, 120V/1600W, CEE 3/16	141.319
TRIAC AT, 230V/1600W, UK plug	141.320
TRIAC AT, 230V/1600W, AU plug	141.321
TRIAC AT, 230V/1600W, CH plug	141.322
TRIAC AT, 230V/1600W, CN plug	141.323
TRIAC AT, 230V/1600W, M14, EU plug	142.737
TRIAC AT, 220V/1600W, KR plug	148.005

Configure product

TRIAC ST

The TRIAC ST is a robust, universally versatile heat gun for welding plastic membranes, and shrinking and molding various thermoplastics.

Technical data

Voltage	100 V; 120 V; 220 V; 230 V	
Frequency	50/60 Hz; 60 Hz	
Power	1500–1600 W	
Temperature	40–700 °C	104–1292 °F
Temperature setting stepless	Yes	
Airflow (20°C)	240 l/min	8.47 cfm
Stepless air volume adjustment	No	
Static pressure	3000 Pa	0.43 psi
Eco-Mode	No	
Display	No	
e-Drive	No	
Outdoor use	Yes	
Nozzle connection ø	31.5 mm / 1.25 in; M14	
Length	338 mm	13.3 in
Device diameter	90 mm	3.54 in
Handle diameter	56 mm	2.2 in
Weight	0.99 kg	2.18 lb
Power cable length	3 m	9.84 ft
Noise emission level	67 dB (A)	
Approvals	CE; KC; S+; cULus	
Protection class	II	
Country of origin	Switzerland	

Product items

TRIAC ST, 230V/1600W, EU plug	141.227
TRIAC ST, 120V/1600W, US plug	141.228
TRIAC ST, 100V/1500W, JP plug	141.230
TRIAC ST, 120V/1600W, CEE 3/16	141.308
TRIAC ST, 230V/1600W, UK plug	141.309
TRIAC ST, 230V/1600W, AU plug	141.310
TRIAC ST, 230V/1600W, CH plug	141.311
TRIAC ST, 230V/1600W, CN plug	141.312
TRIAC ST, 230V/1600W, M14, EU plug	144.013
TRIAC ST, 220V/1600W, KR plug	153.891

Configure product

Nozzles

100.303
Tubular nozzle (ø 31.5) ø 5 mm, 37 mm

107.137
Speed welding nozzle (ø 8.0) Profile C 8x2

106.992
Speed welding nozzle (ø 8.0) Profile A 90-5.7

106.993
Speed welding nozzle (ø 8.0) Profile B 70-7

107.123
Wide slot nozzle (ø 31.5) 20 x 2 mm

107.132
Wide slot nozzle (ø 31.5) 40 x 2 mm

105.487
Wide slot nozzle (ø 31.5) 20 x 2 mm

105.500
Wide slot nozzle (ø 31.5) 18 x 3 mm

113.399
Drawing nozzle (M14) Profile D ø4

113.670
Drawing nozzle (M14) Profile A 90-5.7

107.124
Wide slot nozzle (ø 31.5) 20 x 2 mm

105.503
Wide slot nozzle (ø 31.5) 20 x 2 mm

HOT JET S

The HOT JET S is a particularly compact and handy heat gun. Equipped with an ergonomic handle and infinitely adjustable temperature, the HOT JET S is ideal for longer welding work.

Technical data

Voltage	100 V; 120 V; 220 V; 230 V	
Frequency	50/60 Hz; 60 Hz	
Power	460 W	
Temperature	20–600 °C	68–1112 °F
Temperature setting stepless	Yes	
Airflow (20°C)	20–80 l/min	0.7–2.82 cfm
Stepless air volume adjustment	Yes	
Static pressure	1600 Pa	0.23 psi
Eco-Mode	No	
Display	No	
e-Drive	No	
Outdoor use	Yes	
Nozzle connection ø	21.3 mm / 0.85 in	
Length	235 mm	9.25 in
Device diameter	70 mm	2.75 in
Handle diameter	40 mm	1.57 in
Weight	0.36 kg	0.79 lb
Power cable length	3 m	9.84 ft
Noise emission level	56 dB (A)	
Approvals	CE; KC; S+; UL	
Protection class	II	
Country of origin	Switzerland	

Product items

HOT-JET S, 230V/460W, EU plug	100.648
HOT-JET S, 230V/460W, CH plug	100.688
HOT-JET S, 230V/460W, AU plug	100.854
HOT-JET S, 120V/460W, US plug	100.859
HOT-JET S, 120V/460W, w/o plug	100.862
HOT-JET S, 100V/460W, JP plug	100.863
HOT-JET S, 230V/460W, CN plug	138.414
HOT-JET S, 220V/460W, KR plug	140.030

Configure product

Nozzles

143.831
Nozzle adapter (ø 21.3) to M14

113.666
Drawing nozzle (M14) Profile D ø3

113.399
Drawing nozzle (M14) Profile D ø4

105.622
Tubular nozzle (M14) ø 5 mm, 43 mm

107.137
Speed welding nozzle (ø 8.0) Profile C 8x2

107.142
Wide slot nozzle (ø 21.3) 20 x 2 mm

105.556
Wide slot nozzle (ø 21.3) 20 x 2 mm

107.144
Tubular nozzle (ø 21.3) ø 5 mm, 41 mm

106.992
Speed welding nozzle (ø 8.0) Profile A 90-5.7

106.993
Speed welding nozzle (ø 8.0) Profile B 70-7

Temperature measuring device

The temperature gauge is ideal for the construction site. It allows fast, precise measurements (3/s) between –65 to 1200 °C. Compatible with type K probes, it is suitable for calibration of extruders and heat guns.

Technical data

Brand	Leister	
Temperature	-65–1200 °C	-85–2192 °F
Accuracy	±0.1%	
Temperature sensor Type	K	
Length	54 mm	2.12 in
Width	28 mm	1.1 in
Height	108 mm	4.25 in
Weight	0.12 kg	0.26 lb
Country of origin	Germany	

Product items

Temperature measuring device G1200	136.961

Configure product

Machine specific accessories

106.956
Thermocouple type K, ø 1.5 × 160 mm, with connector

136.962
Insertion probe type K, ø 3 × 100 mm

136.963
Insertion probe type K, ø 1.5 × 100 mm

142.570
Tool case

EXAMO 100

The EXAMO 100 tensile tester tests the weld seam quality of geomembranes. Advantages: tool-free clamping of the specimens, constant tensile speed as well as effortless pulling of the specimens with the cordless screwdriver.

Technical data

Max. test length	100 mm	3.93 in
Max. sample width	25 mm	0.98 in
Max. sample thickness	3 mm	0.11 in
Length	283 mm	11.14 in
Width	50 mm	1.96 in
Height	73 mm	2.87 in
Weight	1.4 kg	3.08 lb
Approvals	CE; UKCA	
Country of origin	Switzerland	

Product items

EXAMO 100	170.539

Configure product

Further Accessories

General accessories

140.160
Pressure roller 40 mm, silicone

140.161
Pressure roller 28 mm, silicone

106.976
Pressure roller 28 mm, PTFE

175.657
Pressure roller 8 mm, PTFE

106.972
Pressure roller 6 mm, brass

106.974
Pressure roller 80 mm, silicone

151.382
Kehlfix for plastic liners

153.009
Plastfix

151.188
Edge planer for T-joints

125.917
Blade sharpener

174.048
Seam weld tester

General accessories

172.483
Seam weld tester multitool

138.817
Wire brush, stainless steel

116.798
Wire brush, brass

151.847
Cylinder brush, brass ø 15 mm

150.715
Screwdriver, Torx T20

157.544
Utility scissors, 260 mm/10.2 in

137.855
Utility Knife

138.902
Hook blade (100 pcs)

138.539
Trapezoid blade (100 pcs)

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Galileo-Strasse 10
6056 Kaegiswil
Switzerland

+41 41 662 74 74
leister@leister.com
leister.com

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