

LEISTER

PLASTIC WELDING

TRIAC ST

Design meets experience



TRIAC AT

Robust and intelligent



www.leister.com

We know how.

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



1

3

4

5

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	9.9 (17.7 cfm at max. temp)
Dynamic pressure	Pa	3000
Ø Nozzle holder	inch	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		
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	7.4 - 9.9 (17.7 cfm at max. temp)
Dynamic pressure	Pa	1600 - 3000
Ø Nozzle holder	inch	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		
Protection class II		

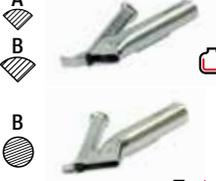
Article No.:

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

Mirror welding



Draw welding



Shrinking

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

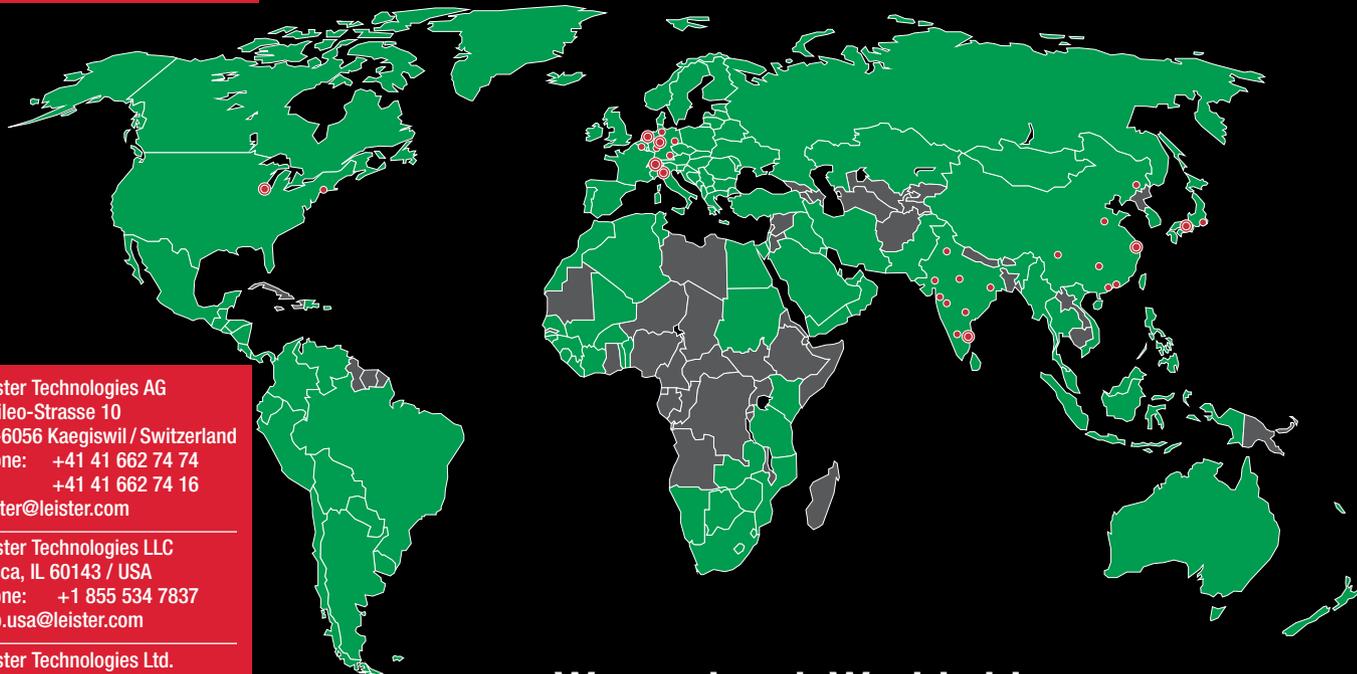
	107.324 0.5" × 0.4" (12 x 10 mm) sieve reflector, push-fit on Ø 0.3" tubular nozzle
	107.337 2.0" × 1.4" (50 x 35 mm) sieve reflector, push-fit
	107.338 1.37" × 0.8" (35 x 20 mm) sieve reflector, push-fit
	107.326 1.0" × 6" (25 x 150 mm) shell reflector, push-fit
	107.307 1.1" × 1.4" (27 x 35 mm) spoon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

More at the new accessories catalog at

www.leister.com/accessories

General accessories

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