

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 new TRIAC ST from Leister 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 comfort, being reliable versatile, robust and user friendly, like its predecessor the TRIAC S. A prominent feature here is the two-component handle, which is not only attractive, but also gives the user perfect grip. The low weight of less than 1 kg/2.18 lbs ensures a perfect weight balance.

Product advantage

1



Ergonomic handling:
The 2-component handle and perfect tool balance ensure ideal grip and optimum working even under the toughest conditions.

Perfect weight:
Weighing less than 1 kg, 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, can easily 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 / 230
Frequency	Hz	50 / 60
Power	W	1600 / 1600
Temperature	°C	40 – 700
Air volume (20°C)	l/min	280 (500 at max. temp)
Dynamic pressure	Pa	3000
Ø Nozzle holder	mm	31.5
Emission	dB(A)	67
Size (L × Ø)	mm	338 × 90, handle Ø 56
Weight	kg	<1 (without power cord)
Conformity mark	CE	
Approval mark		
Protection class II		

Article No.:

141.308	TRIAC ST, 120 V / 1600 W for push-fit nozzles with UK-plug
141.309	TRIAC ST, 230 V / 1600 W for push-fit nozzles with UK-plug
141.311	TRIAC ST, 230 V / 1600 W for push-fit nozzles with CH plug
141.227	TRIAC ST, 230 V / 1600 W for push-fit nozzles with Euro plug
144.013	TRIAC ST, 230 V / 1600 W for screw-on nozzles with Euro plug
153.891	TRIAC ST, 220 V / 1600 W for push-fit nozzles with KR-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 / 230
Frequency	Hz	50 / 60
Power	W	1600 / 1600
Temperature	°C	40 – 620
Air volume (20°C)	l/min	210 - 280 (500 at max. temp)
Dynamic pressure	Pa	1600 - 3000
Ø Nozzle holder	mm	31.5
Emission	dB(A)	67
Size (L × Ø)	mm	338 × 90, handle Ø 56
Weight	kg	1 (without power cord)
Conformity mark	CE	
Approval mark		
Protection class II		

Article No.:

141.319	TRIAC AT, 120 V / 1600 W, with UK-plug
141.320	TRIAC AT, 230 V / 1600 W, with UK-plug
141.314	TRIAC AT, 230 V / 1600 W, with Euro-Stecker
141.322	TRIAC AT, 230 V / 1600 W, with CH-Stecker
148.005	TRIAC AT, 220 V / 1600 W, for push-fit nozzles with KR-plug



Overlap welding

Accessories TRIAC ST / TRIAC AT

 	<p>Wide slot nozzle, push-fit 107.123 20 mm, 15° angled 107.132 40 mm, 15° angled 107.133 40 mm, perforated 107.135 40 mm, PTFE-coated 107.129 60 mm for bitumen 107.131 80 mm for bitumen</p> <p>(more: www.leister.com "downloads")</p>	 	<p>107.124 20 mm angled nozzle, 70°, push-fit</p>
 	<p>Wide slot nozzle 105.475 20 mm, straight 105.485 25 mm, straight 105.494 30 mm, 15° angled</p>	 	<p>105.431 3 mm speed weld nozzle, with small air-slide, push-fit on Ø 5 mm tubular nozzle 105.432 4 mm speed weld nozzle, with small air-slide, push-fit on Ø 5 mm tubular nozzle 105.433 5 mm speed weld nozzle, with small air-slide, push-fit on Ø 5 mm tubular nozzle</p>
 	<p>105.487 Wide slot nozzle 20 mm, curved and angular, with clamping angle inwards</p>	 	<p>107.139 4.5 x 12 mm speed weld nozzle for fillet weld, push-fit on Ø 5 mm tubular nozzle 107.137 8 mm speed weld nozzle for tape welding, push-fit on Ø 5 mm tubular nozzle</p>
 	<p>105.500 Wide slot nozzle 20 mm, 120° angled (right) 30° slanted forward openly</p>	 	<p>Speed weld nozzle, push-fit on Ø 5 mm tubular nozzle 106.992 5.7 mm, profile A 106.993 7 mm, profile B 106.989 Ø 3 mm 106.990 Ø 4 mm 106.991 Ø 5 mm</p>
 	<p>107.130 Wide slot nozzle 40mm, 60° bent 107.125 20 mm angled nozzle, 60°, push-fit, for right hander 105.503 20 mm angled nozzle, 60°, push-fit</p>	 	<p>156.470 Speed weld nozzle bend Ø 5 mm, push-fit on Ø 4/5 mm tubular nozzle</p>
 	<p>100.303 Ø 5 mm, tubular nozzle, push-fit 105.575 Ø 5 x 100 mm, tubular nozzle, push-fit 106.982 Ø 5 x 150 mm, extension nozzle, push-fit</p>		<p>105.576 tubular nozzle Ø 5 mm, 90° curved</p>
 	<p>105.576 tubular nozzle Ø 5 mm, 90° curved</p>	<p>106.996 Tacking nozzle, push-fit on Ø 5 mm tubular nozzle</p>	

Mirror welding



Draw welding



Shrinking

	105.622 Ø 5 mm, tubular nozzle, screw-on
	106.988 Tacking nozzle, screw-on
	126.552 Ø 4 mm drawing nozzle, screw-on for fluor plastics
	113.666 Ø 3 mm drawing nozzle with tacking tip, screw-on
	113.399 Ø 4 mm drawing nozzle with tacking tip, screw-on
	113.876 Ø 3 mm drawing nozzle without tacking tip, screw-on
	113.874 Ø 4 mm drawing nozzle without tacking tip, screw-on
	113.670 Drawing nozzle triangular-shaped With tacking tip, screw-on 5.7 mm, profile A
	113.877 Without tacking tip, screw-on 5.7 mm, profile A
	106.986 Without tacking tip, screw-on 7 mm, profile B
	106.987 Without tacking tip 7 × 5.5 mm
	157.717 Protection nozzle 31.5 mm, air outlet 23 mm, protection ring 80 mm
	107.344 135 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 21 mm nozzle with plug

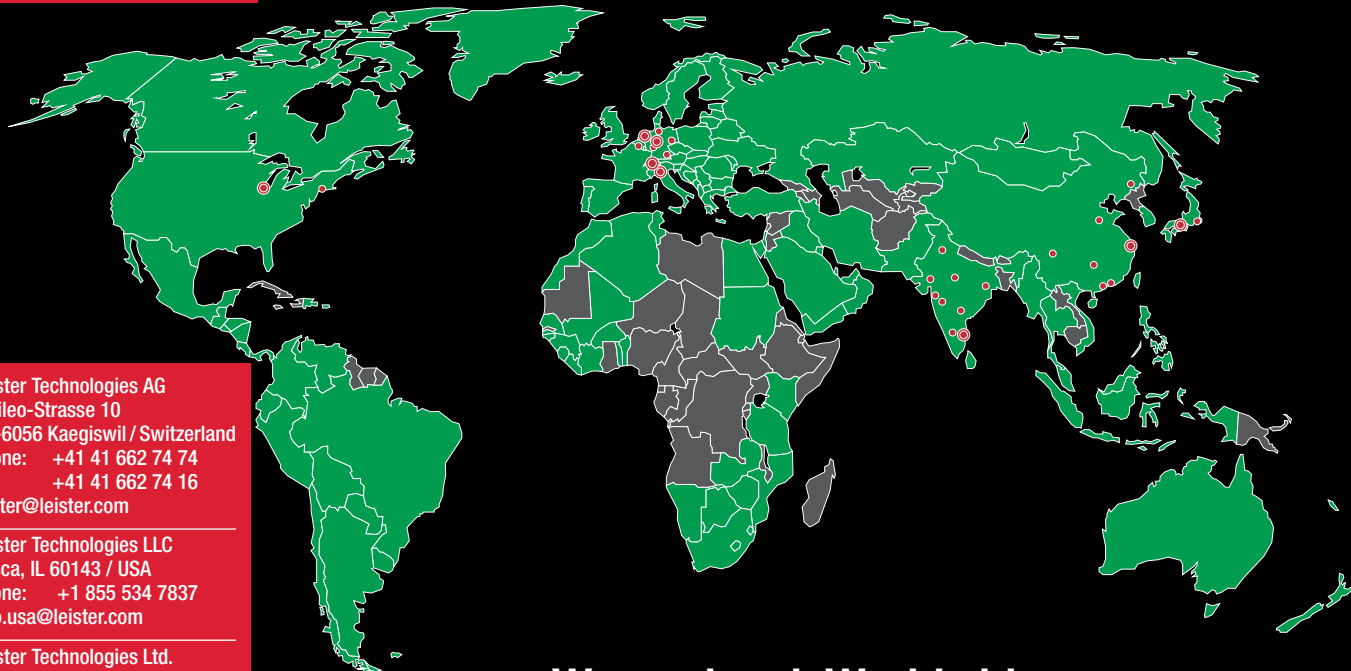
	107.324 12 × 10 mm sieve reflector, push-fit on Ø 8 mm tubular nozzle
	107.337 50 × 35 mm sieve reflector, push-fit
	107.338 35 × 20 mm sieve reflector, push-fit
	107.326 25 × 150 mm shell reflector, push-fit
	107.307 27 × 35 mm spoon reflector, push-fit
	107.339 17 × 34 mm soldering reflector, push-fit
	106.128 7.5 mm soldering reflector
	Heating element for 142.717 TRIAC ST / TRIAC AT, 230 V / 1550 W 142.718 TRIAC ST / TRIAC AT, 120 V / 1550 W

More at the new accessories catalog at

www.leister.com/accessories

General accessories

34/35



Leister Technologies AG
Galileo-Strasse 10
CH-6056 Kaegiswil / Switzerland
phone: +41 41 662 74 74
fax: +41 41 662 74 16
leister@leister.com

Leister Technologies LLC
Itasca, IL 60143 / USA
phone: +1 855 534 7837
info.usa@leister.com

Leister Technologies Ltd.
Shanghai 201 109 / PRC
phone: +86 21 6442 2398
leister@leister.cn

Leister Technologies KK
Osaka 564-0051 / Japan
phone: +81 6 6310 62 00
sales-japan@leister.com

Leister Technologies Benelux BV
3991 CE Houten / Nederland
phone: +31 (0)30 2199888
info@leister.nl

Leister Technologies Italia s.r.l.
20090 Segrate / Italia
phone: +39 02 2137647
sales@leister.it

Leister Technologies India Pvt
600 041 Chennai / India
phone: +91 44 2454 3436
info@leister.in

Leister Technologies Deutschland GmbH
D-58093 Hagen / Germany
phone: +49-(0)2331-95940
info.de@leister.com

We are local. Worldwide.

Our close worldwide network of more than 130 Sales and Service Centers in more than 100 countries.

- | | | | | | |
|----------------|--------------------|------------------|----------------------|----------------|----------------------|
| Europe: | Sweden | Poland | Chile | Africa: | Asia Pacific: |
| Andorra | Switzerland | Romania | Colombia | Algeria | Bangladesh |
| Austria | Turkey | Russia | Ecuador | Botswana | China |
| Belgium | United Kingdom | Serbia | Peru | Egypt | Hong Kong |
| Cyprus | Vatican | Slovakia | Venezuela | Ivory Coast | India |
| Denmark | Albania | Slovenia | | Kenya | Indonesia |
| Finland | Armenia | Ukraine | | Lesotho | Japan |
| France | Azerbaijan | | Central Asia: | Libya | Korea |
| Germany | Belarus | | Kazakhstan | Malawi | Macao |
| Greece | Bosnia-Herzegovina | Americas: | Kyrgyzstan | Morocco | Malaysia |
| Iceland | Bulgaria | Canada | Tajikistan | Mozambique | Mongolia |
| Ireland | Croatia | Mexico | Turkmenistan | Namibia | Philippines |
| Italy | Czech Republic | USA | Uzbekistan | North Sudan | Singapore |
| Luxembourg | Estonia | Belize | | South Africa | Sri Lanka |
| Malta | Georgia | Costa Rica | Middle East: | Swaziland | Taiwan |
| Monaco | Hungary | El Salvador | Bahrain | Tunisia | Thailand |
| Netherlands | Kosovo | Guatemala | Iran | Zambia | Vietnam |
| Norway | Latvia | Honduras | Iraq | Zimbabwe | |
| Portugal | Lithuania | Nicaragua | Israel | | Oceania: |
| Liechtenstein | Macedonia | Panama | Jordan | Australia | New Zealand |
| San Marino | Moldova | Argentina | Qatar | | |
| Spain | Montenegro | Bolivia | Saudi Arabia | | |
| | | Brazil | U.A.E | | |

© Copyright by Leister, Switzerland

Distributor Addresses: