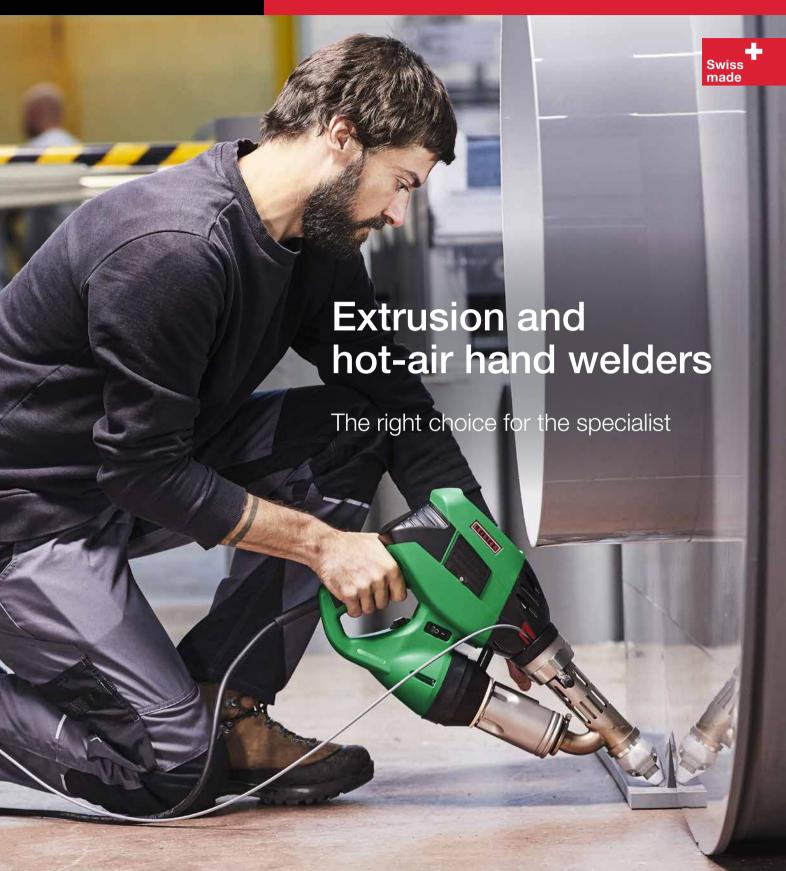


# **Plastic Fabrication**





Dear Leister customers

The selection of machines and equipment greatly influences the quality and success of your work. That is why we offer solutions that you can always count on and with which you are guaranteed to be able generate added value.

Our goal is to exceed your expectations. All of our devices and machines are designed and produced in Switzerland, because for us, quality and innovation are the highest priority. We have more than 70 years of experience in the fields of plastic welding and industrial process heat applications, and are constantly expanding this. Through direct contact with you in your workshop, at the construction site and through social media, we collect the necessary input that we then incorporate into the next generation of devices. Our engineers and designers combine your ideas with the latest technology to create unique products that meet your requirements. Here, we place particular importance on functionality, ergonomics and durability. That is why you can count on a reliable welder in all locations and environments.

We maintain a global and close-knit service and distribution network which enables us to serve you quickly and easily. Our expert distributors and own associations ensure that you can access our services across the globe.

In the following pages, see for yourself how our extensive product range will be able to support you in your work. You will also find a great deal of useful information on plastic welding in the brochure. Motivated by our principle, "Leister. We know how," we are eager to share our experience with you in order to make your work easier.

I hope you enjoy reading our brochure!

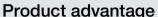
### Reto Britschgi

Product Manager Plastic Fabrication



# 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.





# 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)	I/min	240 (500 at max. temp)
Dynamic pressure	Pa	3000
$\varnothing$ Nozzle holder	mm	31.5
Emission	dB(A)	67
Size (L $\times \varnothing$ )	mm	$338 \times 90$ , handle $\varnothing 56$
Weight	kg	<1 (without power cord)
Conformity mark		C€
Approval mark		<b>\$</b> [©
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

141.322 TRIAC AT, 230 V / 1600 W, with CH-plug

142.737 TRIAC AT, 230 V / 1600 W for screw-on nozzles with Euro plug 148.005 TRIAC AT, 220 V / 1600 W, for push-fit nozzles with KR-plug

- 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)	I/min	160 - 240 (500 at max. temp)			
Dynamic pressure	Pa	1600 – 3000			
$\varnothing$ Nozzle holder	mm	31.5			
Emission	dB(A)	67			
Size (L $\times \varnothing$ )	mm	$338 \times 90$ , handle $\varnothing 56$			
Weight	kg	1 (without power cord)			
Conformity mark		C€			
Approval mark		<b>\$</b> [©			
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 /	141.314 TRIAC AT, 230 V / 1600 W, with Euro-plug				







Draw welding with combination nozzle

# Accessories TRIAC ST / TRIAC AT

Accessories in	IAC 3	I / INIAC AI
	100.303	$\varnothing$ 5 mm, tubular nozzle, push-fit
	105.575	$\emptyset$ 5 × 100 mm, tubular nozzle,
	106.982	push-fit $\varnothing$ 5 × 150 mm, extension nozzle,
		push-fit
	105.576	tubular nozzle Ø 5 mm, 90° curved
	106.996	Tacking nozzle, push-fit on Ø 5 mm tubular nozzle
	105.431	3 mm speed weld nozzle, with small air-slide, push-fit on $\varnothing$ 5 mm tubular nozzle
1	105.432	4 mm speed weld nozzle, with small air-slide, push-fit on Ø 5 mm tubular nozzle
D	105.433	5 mm speed weld nozzle, with small air-slide, push-fit on ∅ 5 mm tubular nozzle
	107.139	$4.5 \times 12$ mm speed weld nozzle for fillet weld, push-fit on $\varnothing$ 5 mm
C	107.137	tubular nozzle 8 mm speed weld nozzle for tape welding, push-fit on ∅ 5 mm tubular nozzle
A B		Speed weld nozzle, push-fit on Ø 5 mm tubular nozzle
B	106.992 106.993	5.7 mm, profie A 7 mm, profile B
B	106.989 106.990 106.991	Ø 3 mm Ø 4 mm Ø 5 mm
4	156.470	Speed weld nozzle bend $\varnothing$ 5 mm, push-fit on $\varnothing$ 5 mm tubular nozzle

109	E 600	
	<b>3.022</b>	Ø 5 mm, tubular nozzle, screw-on
100	6.988	Tacking nozzle, screw-on
120	6.552	Ø 4 mm drawing nozzle, screw-on for fluor plastics
11: D	3.399 3.876 3.874	Ø 3 mm drawing nozzle with tacking tip, screw-on Ø 4 mm drawing nozzle with tacking tip, screw-on Ø 3 mm drawing nozzle without tacking tip, screw-on Ø 4 mm drawing nozzle without tacking tip, screw-on
A 11:	3.670 3.877 6.986	Drawing nozzle triangular-shaped With tacking tip, screw-on 5.7 mm, profile A Without tacking tip, screw-on 5.7 mm, profile A Without tacking tip, screw-on 7 mm, profile B Without tacking tip 7 × 5.5 mm
14:	3.833	Nozzle adapter for screw-on nozzles
150	3.332 6.092 4.134	Protection tube for screw-on nozzles (for TRIAC ST until april 2017) Protection tube for screw-on nozzles (for TRIAC ST from mai 2017) Protection tube for screw-on nozzles (for TRIAC AT)
14	1.375	Connection adapter M14 for $\varnothing$ 21 mm nozzle with plug
14:		Heating element for TRIAC ST / TRIAC AT, 230 V / 1550 W TRIAC ST / TRIAC AT, 120 V / 1550 W
14	2.718	

<<Leister - the synonym for quality,
innovation and technology. >>

With strong technical and application competence Leister provides standard products and custom engineered solutions to all major industries.

Recognized as the world-wide leader in developing and producing quality products.

The Leister Group, its employees and distribution network are committed to be strong and reliable partners, giving you the opportunity to move your business forward.

> Serving all corners of the globe since 1949, with representation in over 100 countries we are local world wide and close to our customers. >>

