

LEISTER

PLASTIC WELDING

**Welding
industrial fabrics
with Leister.**

**Easy and
precise.**



Leister delivers performances.

Wherever you need to apply heat, Leister provides the ideal solution. We have been the worldwide leader in the field of plastic welding and hot-air blowers for over 50 years. For several years now we have also been offering innovative and effective laser systems and microsystems. We develop and produce all of our products in Switzerland – so you can always rely on the proverbial Leister quality. And because 98% of our production is exported, therefore, we have established a dense network of service centers throughout the world – guaranteeing excellent service anytime and anywhere.



The company building in Sarnen, Switzerland

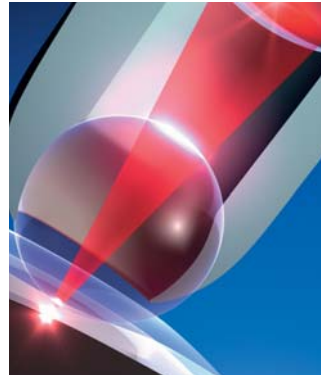
LEISTER



Plastic Welding

For decades now, we have been the worldwide market leader. The proverbial performance and reliability of our products makes Leister the first choice. Our tools are used in roof sealing systems, floor coverings, plastic sheeting, in earthworks, hydraulic and tunnel engineering, in process equipment manufacturing and for vehicle repair.

NOVOLAS™



Laser systems

Our innovative solutions for precision welding of plastics open up new production methods in automobile manufacturing, in medical and sensory technology, electronics, as well as in micro-systems technology or in soldering electronic components.

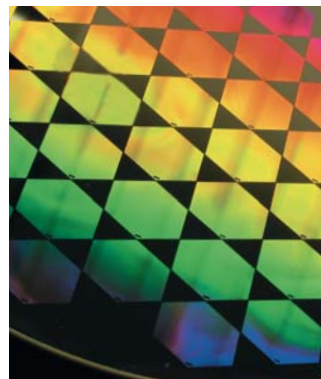
LEISTER



Process heat

Whether for activation, heating, curing, melting, shrinking, welding, sterilization, drying or warming: hot-air is increasingly deployed in industrial processes. Leister customers profit from our extensive engineering knowledge and benefit from our advice in the conceptual design of hot-air applications.

a:etris



Microsystems

In tomorrow's world, the smallest of structures will play a huge role! In order to our customers keep ahead of the field in the future, we are already developing and producing micro-mechanical sensors and micro-optical components in our cleanroom today.

Welding industrial fabrics with Leister. There is hardly an area where Leister is not to be found: Tarpaulins, tents, billboards, swimming pool covers, sunblinds, covers for agricultural and construction applications, boat covers, industrial curtains and much, much more... Here is just a selection from the almost unlimited possibilities.



Giant advertising banners in India.



Inflatable advertising media.



150 meter long hanger.



Retractable awning for shaded protection.



Tarpaulin truck cover.



Waterproofing membranes for swimming pools.



"T shirt" for the Swiss national soccer team.



Life raft for a cruise ship.

Leister brings industrial fabrics into top shape.

Whether coated fabric, foils or waterproof sheeting made of PVC, PE, PP, etc.: Leister welds all types of industrial fabrics perfectly with mobile, handy, flexible and simple-to-operate welding machines. Extensive accessories and practical advice round off our offering. Thanks to its worldwide customer focus, Leister knows what the professional needs. All devices are made in Switzerland. Before leaving our factory, each one is subjected to stringent, functional testing.

Hot air welding machine

UNIPLAN E

For efficient hot-air welding of industrial fabrics the UNIPLAN E is ideal. A guide roller keeps the tool precisely on course. Its digital display shows set and actual values of temperature and welding speed. The heating is electronically controlled.



- Small, light and handy
- Digital display
- Automatic start
- High welding speed
- Integrated lifting mechanism

Technical Data		
Voltage	V~	120
Power consumption	W	1800
Frequency	Hz	60
Temperature	°F	68 – 1150
Speed	ft/min	3.0 – 24
Air flow	%	50 – 100 (steplessly)
Air flow (68°F)	cfm	10.5
Welding seam width	inch	0.8 or 1.2
Size (L x W x H)	inch	16 x 11 x 8
Weight	lbs	25 (with 10 ft cable)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓢ
Article no		
115.044	0.8 inch	
115.043	1.2 inch	
Other versions on request		

Hot air welding machine

UNIPLAN S

An economical alternative to the UNIPLAN E. UNIPLAN S is for discerning user who places importance on simple operation.

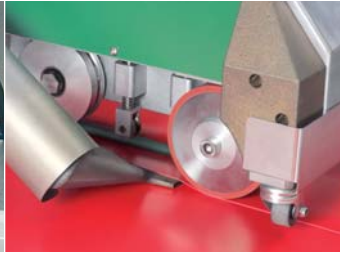


- Small, light and handy
- Intuitive operation
- High welding speed
- Integrated lifting mechanism

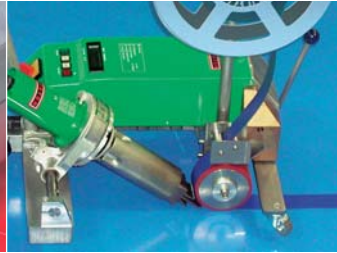
Technical Data		
Voltage	V~	120
Power consumption	W	1800
Frequency	Hz	60
Temperature	°F	68 – 1150
Speed	ft/min	3.0 – 24
Air flow	%	50 – 100
Air flow (68°F)	cfm	10.5
Welding seam width	inch	0.8 or 1.2
Size (L x W x H)	inch	16 x 11 x 8
Weight	lbs	25 (with 10 ft cable)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓢ
Article no		
115.058	0.8 inch	
115.056	1.2 inch	
Other versions on request		



Welding an advertising banner with UNIPLAN E.



Effortless working with UNIMAT OVERLAP.



Welding reinforcement tape with UNIMAT V TAPE.

Hot air welding machine

UNIMAT V OVERLAP

The microprocessor-controlled, high-performance machine UNIMAT OVERLAP ensures extremely fast and economical welding. Versions available for welding membranes or coated woven materials.



- High welding speed
- Digital display of set and actual values of welding speed, temperature and air flow
- No corrective action required thanks to the new guide roller
- Automatic start
- Integrated lifting mechanism

Technical Data		
Voltage	V~	230
Power consumption	W	3680
Frequency	Hz	60
Temperature	°F	70 – 1150
Speed	ft/min	4.9 – 40
Air flow	%	50 – 100 (steplessly)
Air flow (68°F)	cfm	17.5
Welding seam width	inch	0.8 or 1.6
Size (L x W x H)	inch	24 x 17 x 12
Weight	lbs	50.0 (with 15 ft cable)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓡ

Article no

119.101	Overlap 0.8 inch
119.100	Overlap 1.6 inch

Hot air welding machine

UNIMAT V TAPE

The microprocessor-controlled, high-performance machine UNIMAT TAPE ensures fast and economical tape welding of industrial fabrics or coated woven materials.



- High welding speed
- Digital display of set and actual values of welding speed, temperature and air flow
- No corrective action required thanks to the new guide roller
- Automatic start
- With tape unwind construction

Technical Data		
Voltage	V~	230
Power consumption	W	3680
Frequency	Hz	60
Temperature	°F	70 – 1150
Speed	ft/min	4.9 – 40
Air flow	%	50 – 100 (steplessly)
Air flow (68°F)	cfm	17.5
Tape width	inch	1.6 or 2.0
Size (L x W x H)	inch	24 x 16 x 12
Weight	lbs	62.0 (with 15 ft cable and dereeler)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓡ

Article no

119.105	Tape 1.6 inch
119.103	Tape 2 inch



Welding tie downs with TRIAC S.



Repair welding of a truck tarpaulin using TRIAC PID with wide slot nozzle and pressure roller.



Point welding with HOT JET S.

Hand tool

TRIAC PID / TRIAC S

Thanks to micro-processor controlled temperature and electronic monitoring, the TRIAC is the preferred hand tool for welding with high quality.



- Reproducible results thanks to digital display of set and actual temperature (TRIAC PID)
- Welding results independent of voltage fluctuations and ambient temperature
- Adaptor tube with heat protection
- Electronic heating element protection
- Motor shut-off at minimal carbon level
- Suitable for continuous operation

Technical Data

Voltage	V~	120
Power consumption	W	1600
Frequency	Hz	60
Temperature	°F	120 – 1110
Air flow (68°F)	cfm	8.05
Pressure static	mbar	30
Size (L x Ø)	inch	13 x 3.5, handle Ø 2.2
Weight	lbs	3 (with 10 ft cable)
Marking of conformity	CE	
Approval mark	E U	
Certification scheme	CCA	
Protection class II	□	

Article no

TRIAC PID	100.749	with US plug, UL
TRIAC S	100.726	with US plug, UL
Other versions on request		

Hand tool

HOT JET S

As the most compact hand tool from Leister, the HOT JET S' low weight of just 600 grams, incl. cord and slim handle, ensures fatigue-free welding and high power.



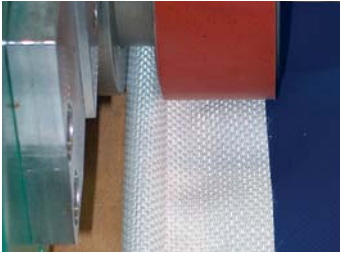
- The smallest hand tool worldwide
- Electronic steplessly controlled temperature
- Electronic steplessly controlled air flow
- Electronic heating element protection
- Low noise
- Integrated flexible tool stand

Technical Data

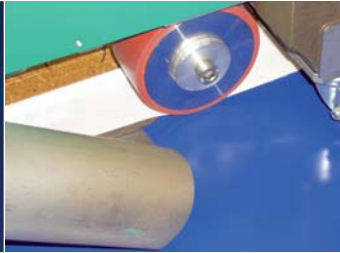
Voltage	V~	120
Power consumption	W	460
Frequency	Hz	60
Temperature	°F	120 – 1110
Air flow (68°F)	cfm	0.7 – 2.8
Pressure static	mbar	16
Size (L x Ø)	inch	9 x 2.7, handle Ø 1.6
Weight	lbs	1.3 (with 10 ft cable)
Marking of conformity	CE	
Approval mark	E U	
Certification scheme	CCA	
Protection class II	□	

Article no

100.859	with US plug, UL
Other versions on request	



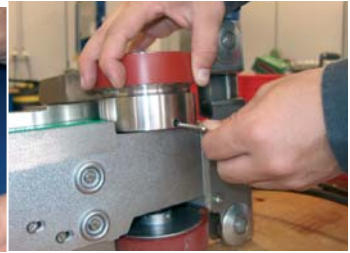
Easy hem cord welding with UNIPLAN E.



Hem cord welding with UNIMAT V OVERLAP.



Hem welding with the UNIPLAN E.



Fast conversions to hem cord welding on the UNIPLAN E.

Accessories for Industrial Fabrics

115.065 115.066		Overlap welding unit 0.8 inch Overlap welding unit 1.2 inch > UNIPLAN E > UNIPLAN S	115.184 115.185		Retrofit kit for overlap welding 0.8 inch Retrofit kit for overlap welding 1.6 inch > UNIMAT V TAPE
115.067		Weight with holder > UNIPLAN E > UNIPLAN S	128.098 128.099		Hem cord roll 0.8 inch Hem cord roll 1.6 inch > UNIMAT V OVERLAP
115.839		Handle with holder and screws > UNIPLAN E > UNIPLAN S	114.498 114.510		Overlap welding nozzle 1.6 inch Overlap welding nozzle 0.8 inch > UNIMAT V OVERLAP
119.933 119.934		Hem welding kit 0.8 inch Hem welding kit 1.2 inch > UNIPLAN E > UNIPLAN S	106.975		One-arm pressure roller 1.6 inch, with ball bearings (silicon)
122.013		Hem cord welding kit with lifting device > UNIPLAN E > UNIPLAN S	106.977		Pressure roller 1.1 inch (silicon)
122.016		Hem cord welding kit without lifting device > UNIPLAN E > UNIPLAN S	106.981		Customs seal roller
122.022		Guide bar complete > UNIPLAN E > UNIPLAN S	107.123		Wide slot nozzle 0.8 inch, push-fit > TRIAC PID > TRIAC S
115.014 115.015		Retrofit kit for tape welding 1.6 inch Retrofit kit for tape welding 2 inches > UNIMAT V OVERLAP	107.132		Wide slot nozzle 1.6 inch, push-fit > TRIAC PID > TRIAC S
115.192 115.193		Tape welding unit 1.6 inch to convert 2 inch tape to 1.6 inch tape Tape welding unit 2 inch to convert 1.6 inch tape to 2 inch tape > UNIMAT V TAPE	107.142		Wide slot nozzle 0.8 inch, push-fit > HOT JET S

Technical data is subject to change without notice.



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Leister Process Technologies is an **ISO 9001:2000** certified enterprise.

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Asia: P. R. China, Hong Kong, India, Indonesia, Iran, Israel, Japan, Korea, Malaysia, Philippines, Saudi Arabia, Singapore, Taiwan, Thailand, United Arab Emirates, Vietnam

America: Canada, Mexico, USA, Argentina, Brazil, Chile, Peru

Africa: Egypt, Kenya, Morocco, South Africa

Oceania: Australia, New Zealand

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 Leister Technologies GmbH, Aachen, Germany
 Leister Process Technologies Headquarters and Manufacturing, Sarnen, Switzerland
 Leister Technologies Ltd., Shanghai, China

Our close worldwide network of more than 120 Sales and Service Centres in more than 60 countries.

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