



**Weld industrial  
fabrics  
with Leister.**

**Problem-free  
and precise.**



# Leister brings industrial fabrics into top shape.

Whether it is PVC-P, ECB, CSPE, EPDM or PVDF coated fabrics, foils or membranes: Leister welds all types of industrial fabrics using very precise and simple-to-operate welding machines. Leister welds with hot air or hot wedge – a very safe, reliable and economical process. We compliment our line of first class quality products with a complete line of accessories and valuable expert advice. As the worldwide market leader in the hot air plastic welding industry, Leister knows precisely what professionals need to succeed.

## 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 are electronically controlled.



- Small, light and handy
- Digital display
- Steplessly controlled air flow
- Automatic start
- High welding speed
- Wrinkle-free welding
- Integrated lifting mechanism

Technical Data			
Voltage	V~	100	120 230
Power consumption	W	1500	1800 2100
Frequency	Hz	50 / 60	
Temperature	°C	20 – 620	
Speed	m/min	1.0 – 7.5	
Air flow	%	50 – 100	
Air flow (20°C)	l/min	300	
Noise emission level L <sub>pA</sub>	dB	65	
Welding seam width	mm	20 or 30	
Size (L × W × H)	mm	420 × 270 × 210	
Weight	kg	11.5 with 3 m cord	
Marking of conformity		CE	
Approval mark		S	
Certification scheme		CCA	
Protection class I		⊕	

## Welding machine

### UNIPLAN WEDGE

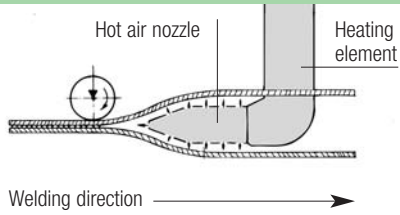
Silent and smoke-free thanks to the heating wedge: the new UNIPLAN WEDGE. The automatic drive sensors, and the optional laser tracking, make welding particularly comfortable and precise.



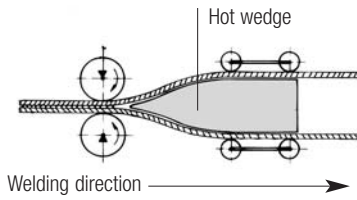
- Low noise
- High welding speed
- Portable and light
- Easy, comfortable operation
- Digital display of welding speed and temperature
- Wrinkle-free welding
- Fast and simple assembly of the unwind construction for welding acrylic tapes
- Integrated trolley attachment

Technical Data			
Voltage	V~	100	120 230
Power consumption	W	900	900 900
Frequency	Hz	50 / 60	
Temperature	°C	20 – 420	
Speed	m/min	1.0 – 7.5	
Noise emission level L <sub>pA</sub>	dB	50	
Welding seam width	mm	20 or 30	
Size (L × W × H)	mm	420 × 270 × 210	
Weight	kg	11.5 with 3 m cord	
Marking of conformity		CE	
Approval mark		S	
Certification scheme		CCA	
Protection class I		⊕	

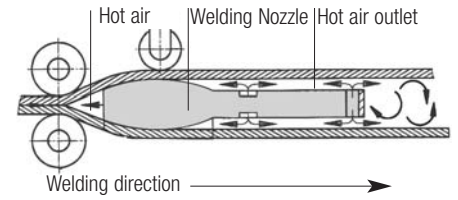
**Leister is the only manufacturer to offer all possible types of welding systems worldwide.**



**Hot air welding machine**  
(Heating through heating element)



**Hot wedge welding machine**  
(Hot wedge is heated electrically)



**Combiwedge welding machine**  
(Hot wedge and hot air)

## Welding machine

### UNIMAT OVERLAP

The microprocessor-controlled, high-performance machine UNIMAT OVERLAP ensures extrafast and economical welding. Separate versions for welding membranes or coated woven materials.



- High welding speed
- User-friendly
- Digital display of set and actual values of welding speed, temperature and air flow
- No corrective action required thanks to the new guide roller
- Steplessly controlled air flow
- Wrinkle-free welding
- Automatic start
- Integrated liftig mechanism

#### Technical Data

Voltage	V~	230
Power consumption	W	3680
Frequency	Hz	50 / 60
Temperature	°C	20 – 620
Speed	m/min	1.5 – 12
Air flow	%	50 – 100
Air flow (20°C)	l/min	500
Pressure static	Pa	max. 5000 (50 mbar)
Noise emission level $L_{pA}$	dB	70
Welding seam width	mm	20 or 40
Size (L x W x H)	mm	600 x 430 x 310
Weight	kg	23.0 with 5 m cord
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		⊕

## Welding machine

### UNIMAT TAPE

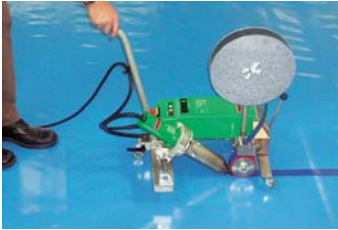
The microprocessor-controlled, high-performance machine UNIMAT TAPE ensures extrafast and economical tape welding of industrial fabrics or coated woven materials.



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

#### Technical Data

Voltage	V~	230
Power consumption	W	3680
Frequency	Hz	50 / 60
Temperature	°C	20 – 620
Speed	m/min	1.5 – 12
Air flow	%	50 – 100
Air flow (20°C)	l/min	500
Pressure static	Pa	max. 5000 (50 mbar)
Noise emission level $L_{pA}$	dB	70
Tape width	mm	40 or 50
Size (L x W x H)	mm	600 x 415 x 310
Weight	kg	28.0 with 5 m cord
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		⊕



A 40 mm reinforcement tape is welded with UNIMAT TAPE onto a PVC sheet.



Welding tie downs with TRIAC S.



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



Overlap welding of a billboard with UNIPLAN E.

## Hand tool

### TRIAC PID / TRIAC S

Thanks to micro-processor controlled temperature and electronic monitoring. The preferred hand tool for welding with high quality.



Fig.: TRIAC PID

- 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
- Multiple replacement of carbon brushes possible

#### Technical Data

Voltage	V~	42	100	120	200	230
Power consumption	W	1000	1400	1600	1400	1600
Frequency	Hz	50 / 60				
Temperature	°C	50 – 600				
Air flow (20°C)	l/min	230				
Pressure static	Pa	ca. 3000 (30 mbar)				
Noise emission level L <sub>pA</sub>	dB	65				
Size (L x Ø)	mm	340 x 90, handle Ø 56				
Weight	kg	1.4 with 3 m cord				
Marking of conformity		CE				
Approval mark		S				
Certification scheme		CCA				
Protection class II		□				

## Hand tool

### HOT JET S

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





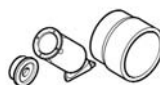


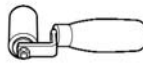












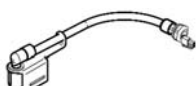

- Worldwide the smallest hand tool
- Electronic steplessly controlled temperature
- Electronic steplessly controlled air flow
- Electronic heating element protection
- Low noise
- Integrated flexible tool stand

#### Technical Data

Voltage	V~	100	120	230
Power consumption	W	460		
Frequency	Hz	50 / 60		
Temperature	°C	20 – 600		
Air flow (20°C)	l/min	20 – 80		
Pressure static	Pa	max. 1600 (16 mbar)		
Noise emission level L <sub>pA</sub>	dB	59		
Size (L x Ø)	mm	235 x 70, handle Ø 40		
Weight	kg	0.6 with 3 m cord		
Marking of conformity		CE		
Approval mark		S		
Certification scheme		CCA		
Protection class II		□		

There hardly exists an application for which a Leister tool cannot be used:  
 truck covers – tents – billboards – swimming pools – biotopes – awnings  
 – boat covers – pool covers – industrial curtains – covers for agriculture  
 and construction etc.

## Accessories for Industrial Fabrics

115.065		Overlap welding unit 20 mm <b>&gt; UNIPLAN E</b>	116.161		Spare hot-wedge 20 mm <b>&gt; UNIPLAN WEDGE</b>
115.066		Overlap welding unit 30 mm <b>&gt; UNIPLAN E</b>	116.162		Spare hot-wedge 30 mm <b>&gt; UNIPLAN WEDGE</b>
115.067		Weight with holder <b>&gt; UNIPLAN E</b>	106.975		One-arm pressure roller 40 mm, with ball bearings (silicon)
115.839		Handle with holder and screws <b>&gt; UNIPLAN E</b>	106.977		Pressure roller 28 mm (silicon)
115.014 115.015		Tape welding unit 40 mm Tape welding unit 50 mm <b>&gt; UNIMAT TAPE</b>	106.981		Customs seal roller
115.184 115.185		Overlap welding unit 20 mm Overlap welding unit 40 mm <b>&gt; UNIMAT OVERLAP</b>	107.123		Wide slot nozzle 20 mm, push-fit <b>&gt; TRIAC PID &gt; TRIAC S</b>
115.192		Tape welding unit 40 mm to convert 50 mm tape to 40 mm tape <b>&gt; UNIMAT TAPE</b>	107.132		Wide slot nozzle 40 mm, push-fit <b>&gt; TRIAC PID &gt; TRIAC S</b>
115.193		Tape welding unit 50 mm to convert 40 mm tape to 50 mm tape <b>&gt; UNIMAT BAND</b>	107.142		Wide slot nozzle 20 mm, push-fit <b>&gt; HOT JET S</b>
114.510		Overlap welding nozzle 20 mm <b>&gt; UNIMAT</b>	Technical data are subject to change without notice. Nozzles are not included to the hand tools.		
114.498		Overlap welding nozzle 40 mm <b>&gt; UNIMAT</b>			
116.506		Laserguide <b>&gt; UNIPLAN WEDGE</b>			
116.231		Trolley attachment 22 mm <b>&gt; UNIPLAN WEDGE</b>			



**Headquarter:**

Leister Process Technologies  
Riedstrasse  
6060 Sarnen/Switzerland  
phone: +41 41 662 74 74  
fax: +41 41 662 74 16  
leister@leister.com

**China:**

Leister Technologies Ltd.  
Building A, 1588 Zhuanxing Road  
Shanghai 201 108 PRC  
phone: +86 (21) 6442 2398  
fax: +86 (21) 6442 2338  
leister@leister.cn



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