

LEISTER

PLASTIC WELDING

**Weld plastic
sheathing
with Leister.**

**Problem-free
and precise.**



Leister brings plastic sheathing into top shape.

Whether it's PVC-P, ECB, CSPE, EPDM, PVDF or PE textile, foil or waterproofing; Leister welds all types of plastic sheathing using very precise and simple-to-operate welding machines. Leister welds with hot air or wedge welding – 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 membranes 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.



- High welding speed
- Small, light and handy
- Easy, comfortable operation
- Steplessly adjustable airflow
- Wrinkle-free welding
- Automated positioning
- Integrated lifting mechanism
- 20 and 30 mm Welding seam width

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 _{pA}	dB	65	
Welding seam width	mm	20 or 30	
Size L x W x H	mm	420 x 270 x 210	
Weight	kg	11.5	
Marking of conformity		CE	
Approval mark		S	
Certification scheme		CCA	
Protection class I		⊕	

Welding machine

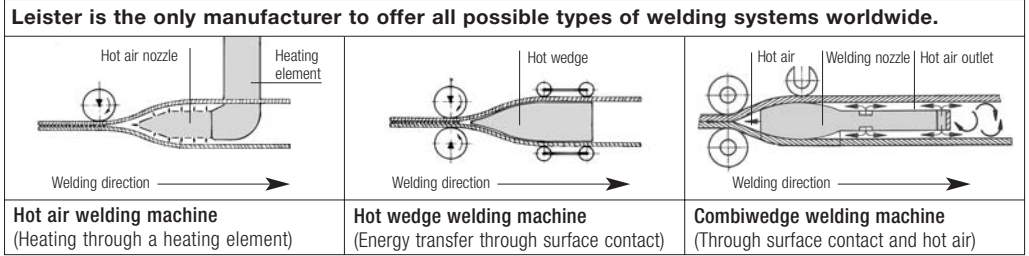
UNIPLAN WEDGE

Silent and smoke-free thanks to the heating wedge, and reconfigurable in next to no time from vinyl membranes to acrylic tapes: 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
- 20 and 30 mm wide hot wedges
- 20 and 30 mm Welding seam width

Technical Data			
Voltage	V~	100	120 230
Power consumption	W	900	
Frequency	Hz	50 / 60	
Temperature	°C	max. 420	
Speed	m/min	1.0 - 7.5	
Noise emission level L _{pA}	dB	70	
Welding seam width	mm	20 or 30	
Size L x W x H	mm	420 x 270 x 210	
Weight	kg	11.5	
Marking of conformity		CE	
Approval mark		S	
Certification scheme		CCA	
Protection class I		⊕	



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 airflow
- No corrective action required thanks to the new guide roller
- Steplessly adjustable airflow
- Wrinkle-free welding
- Automatic positioning device

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, adjustable
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 30
Size L x W x H	mm	600 x 430 x 310
Weight	kg	23 incl. 5 mm cord
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		⊕

Welding machine

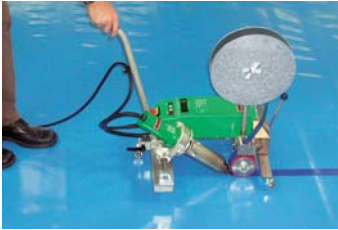
UNIMAT TAPE

The microprocessor-controlled, high-performance machine UNIMAT 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 airflow
- No corrective action required thanks to the new guide roller
- Steplessly adjustable airflow
- Automatic positioning

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, adjustable
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 incl. 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

With stepless temperature control and electronic monitoring, the TRIAC PID is the preferred hand tool for welding with high quality.



- Reproducible results thanks to its digital display of set and actual temperature
- Cooled protective tube
- Welding results independent of voltage fluctuations and ambient temperature
- 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, steplessly controlled				
Air flow (20°C)	l/min	230				
Pressure static	Pa	ca. 3000 (30 mbar), after 24 h operating time				
Noise emission level L _{pA}	dB	65				
Size L x W x H	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

TRIAC S

TRIAC S: the reliable, cost-effective and proven hand tool with steplessly adjustable temperature range.



- Cooled protective tube
- 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	20 – 700, steplessly adjustable				
Air flow (20°C)	l/min	230				
Pressure static	Pa	ca. 3000 (30 mbar), after 24 h operating time				
Noise emission level L _{pA}	dB	65				
Size L x W x H	mm	340 x 90, handle Ø 56				
Weight	kg	1.3 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.

Hand tool

HOT JET S

The most compact hand tool from Leister: HOT JET S' low weight of just 580 grams, incl. cord and slim handle, ensures fatigue-free welding and high power.



- Electronic steplessly adjustable heating power and air flow
- Cooled protective tube
- Independent of voltage fluctuations and ambient temperature thanks to its stepless electronic temperature regulation
- Motor shut-off at minimal carbon level

Technical Data

Voltage	V~	100	120	230
Power consumption	W	460		
Frequency	Hz	50 / 60		
Temperature	°C	20 – 600, steplessly controlled		
Air flow (20°C)	l/min	20 – 80, steplessly adjustable		
Pressure static	Pa	max. 1600 (16 mbar)		
Noise emission level L _{PA}	dB	59		
Size L x W x H	mm	235 x 70, handle Ø 40		
Weight	kg	0.580 with 3 m cord		
Marking of conformity	CE			
Approval mark	S			
Certification scheme	CCA			
Protection class II	□			

Accessories for Industrial Fabrics

115.065		Overlap welding unit 20 mm > UNIPLAN E
115.066		Overlap welding unit 30 mm > UNIPLAN E
115.067		Weight with holder > UNIPLAN E
115.192		Tape welding unit, 40 mm > UNIMAT TAPE
115.193		Tape welding unit, 50 mm > UNIMAT TAPE
114.510		Overlap welding nozzle 20 mm > UNIMAT OVERLAP
114.498		Overlap welding nozzle 40 mm > UNIMAT OVERLAP
106.975		One-arm pressure roller 40 mm with ball bearings (silicon)
106.977		Pressure roller 28 mm (silicon)
106.981		Customs seal roller
107.123		Wide slot nozzle 20 mm, push-fit > TRIAC PID > TRIAC S
107.132		Wide slot nozzle 40 mm push-fit > TRIAC PID > TRIAC S
107.142		Wide slot nozzle 20 mm push-fit > HOT JET S

Technical data are subject to change without notice.
Nozzles are not included to the hand tools.



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