

Industrial fabrics

LEISTER Automatic welding machines and hand welding tools for welding of coated fabrics, foils and membranes homogenous or coated made from PVC-P, PE, ECB, CSPE, EPDM, PVDF etc, as well as PE woven materials.


Hot air welding machine

UNIPLAN

Automatic overlap welding machine



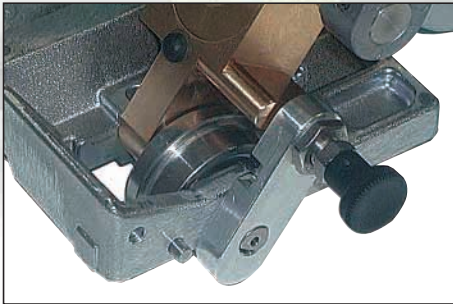
Technical Data

Type	Uniplan	with trolley attachment
Welding seam width	mm (Inch)	20 or 30 mm (0.8 or 1.2)
Voltage	V~	230, 120, 100
Power consumption	W	2100, 1800, 1500
Frequency	Hz	50/60
Temperature	°C (°F)	20 – 620 (68 – 1150)
Drive speed	m/min. (ft/min)	1.0 – 7.5 (3 – 25)
Air flow 50 – 100%	l/min.	max. 300
Emission level	L _{pA} (dB)	65
Size	mm	420 × 270 × 210
Weight	kg (lbs)	11.5 (25.4)
Approval mark:		CCA certified

- Higher welding speed
- Small, light and easy to handle
- Simple and convenient operation
- Digital display of welding speed and temperature SET and ACTUAL values
- Wrinkle-free welding
- Integrated trolley attachment

- New guide roller, no longer requires corrective action
- Adjustable automatic start
- Airflow steplessly adjustable
- Controlled drive and heater



UNIPLAN**Guide roller**

Corrective action is no longer required with the new tracking-true guide roller.

This is automatically positioned when the hot air machine is swivelled into position.

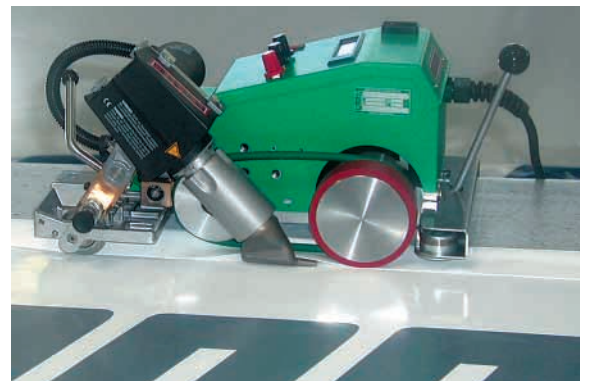
Display

Speed, air temperature as well as airflow can be steplessly set by means of the potentiometers.

The values are displayed digitally



UNIPLAN used for overlap welding of a truck cover. Welding speed about 7 m/min. (23 ft/min).



Problem free flat hem weld using the UNIPLAN

UNIPLAN

Welding applications:

Truck covers, tents, banners, canopies, swimming pools, billboards, covers for agriculture and construction, biotopes, awnings, boat covers, inflatable boats, athletic products, pool covers, industrial curtains, etc.



Boat cover



Tent



Canopy



Billboard



Industrial curtain



Pool cover

UNIMAT

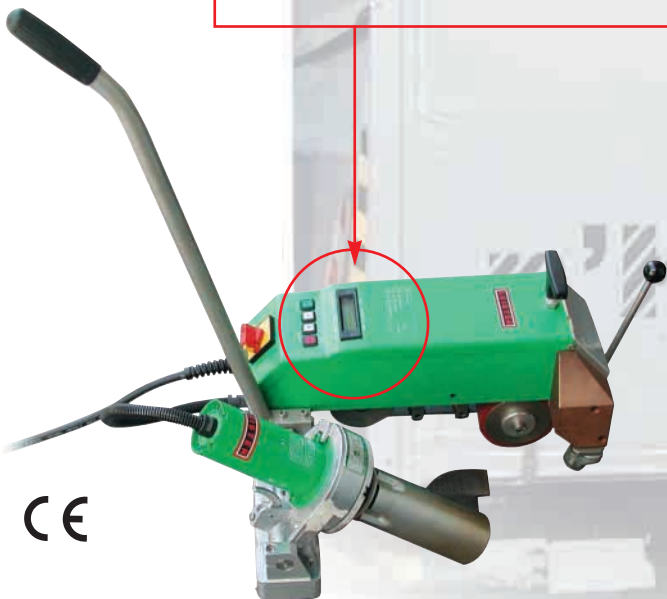
- Higher welding speed
- Economical prefabrication of tarps and coated woven materials

- User-friendly and low noise level
- Wrinkle-free welding


Overlap automatic welding machine

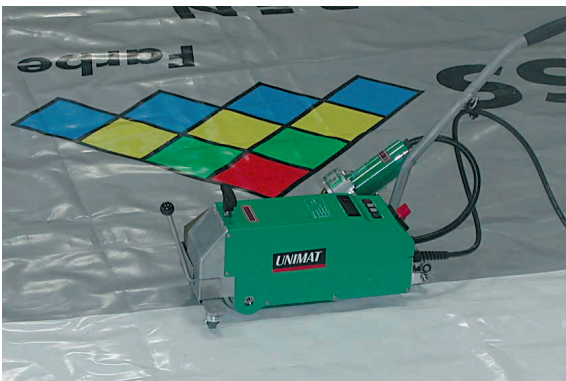
Microprocessor controlled automatic welding machine with digital display of:

- SET and ACTUAL values of welding speed and temperature
- Airflow
- Voltage (optional)



Technical Data

Type	Unimat	
Overlap	mm (Inch)	20 or 40 (0.8 or 1.6)
Voltage	V~	230
Power consumption	W	3680
Frequency	Hz	50 / 60
Temperature	°C (°F)	20 – 620 (68 – 1150)
Air flow	l/min.	500 50 – 100 % adjustable
Pressure stat.	Pa	max. 5000 (50 mbar)
Emission level	LpA(dB)	70
Drive speed	m/min. (ft/min)	1.5 – 12 (5 – 40)
Size LxBxH	mm	600 × 430 × 310
Weight	kg (lbs)	23 (50)
Approval mark:		CCA certified



20 mm overlap welding of a truck cover using the UNIMAT. Welding speed up to 12 m/min. (40 ft/min).



UNIMAT used for 40 mm flat hem weld of a coated cover. Welding speed up to 8.5 m/min. (28 ft/min).

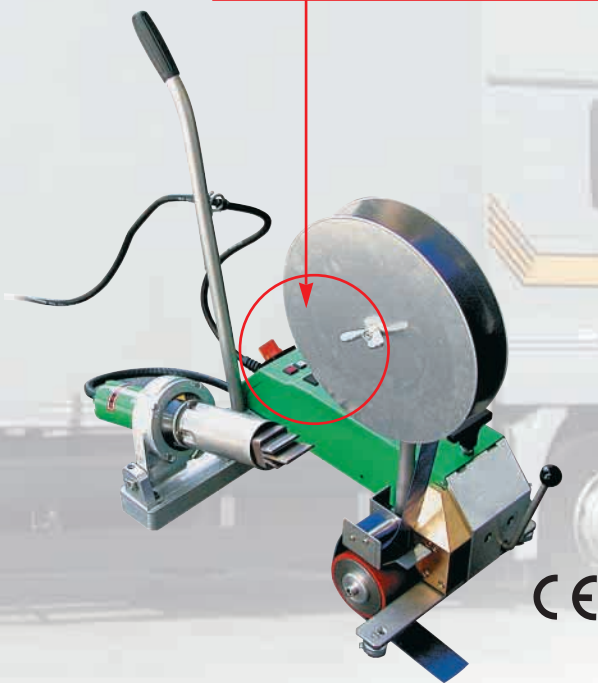
UNIMAT

- Digital display of SET and ACTUAL values of welding speed and temperature
- Airflow steplessly adjustable
- Controlled drive and heater
- Automatic start
- New guide roller, no longer requires corrective action


Automatic tape welding machine

Microprocessor controlled automatic welding machine with digital display of:

- SET and ACTUAL values of welding speed and temperature
- Airflow
- Voltage (optional)

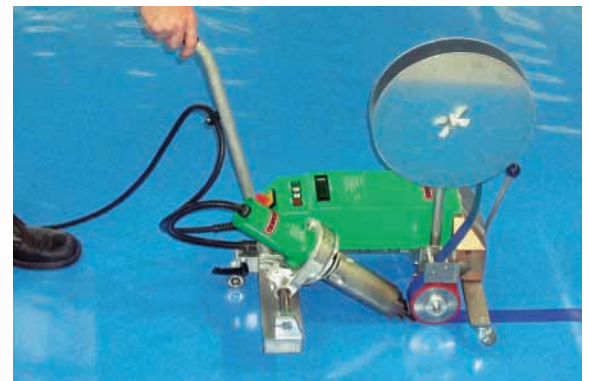


Technical Data

Type	Unimat	
Tape	mm (Inch)	40 or 50 (1.6 or 2)
Voltage	V~	230
Power consumption	W	3680
Frequency	Hz	50 / 60
Temperature	°C (°F)	20 – 620 (68 – 1150)
Air flow	l/min.	500 50 – 100 % adjustable
Pressure stat.	Pa	max. 5000 (50 mbar)
Emission level	L _{pA} (dB)	70
Drive speed	m/min. (ft/min)	1.5 – 12 (50 – 40)
Size LxBxH	mm	600 × 415 × 310
Weight	kg (lbs)	28 (62)
Approval mark:		CCA certified



Welding of a 50 mm webbing onto a truck cover. The UNIMAT guarantees a high welding speed.



A 40 mm reinforcement tape is welded onto a PVC cover.

Hand-welding tools


- Effortless welding thanks to light weight and smaller handle
- Reproducible welding results thanks to digital temperature display of SET and ACTUAL value
- Adaptor tube with heat protection
- Stepless electronic temperature control, therefore independent of voltage fluctuations and varying ambient temperature (PID control)
- Electronic heating element protection and automatic shut-off of the motor at minimal carbon level
- Multiple replacement of carbon brushes possible, therefore suitable for continuous operation

HOT JET S

The lightest compact welding tool



Technical Data

Type	Hot-Jet S	
Voltage	V~	100, 120, 230
Power consumption	W	460, 460, 460
Frequency	Hz	50 / 60
Temperature	°C (°F)	20 – 600 (68 – 1112) steplessly controlled
Air flow	l/min.	20 – 80, steplessly adjustable
Pressure stat.	Pa	max. 1600 (16 mbar)
Emission level	L _{PA} (dB)	59
Size	mm	235 × 70, handle ø 40
Weight	g (lbs)	580 (1.3) with 3 m cord
Approval mark:		CCA certified



HOT-JET S with wide slot nozzle and pressure roller used for welding a billboard.



Repairing a pool cover with HOT-JET S.


TRIAC PID 

The welding tool for quality assurance


**TRIAC S** 

The reliable hot air tool

**Technical Data**

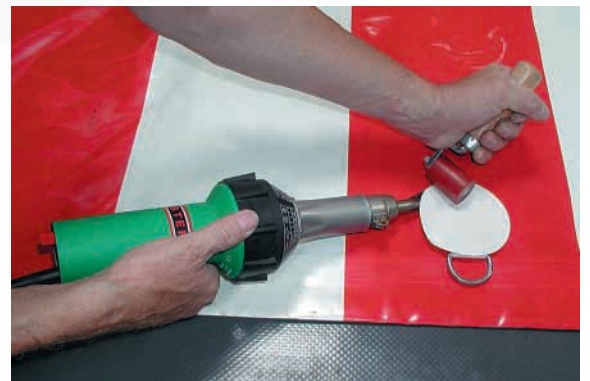
Type	Triac PID	
Voltage	V~	42, 100, 120, 200, 230
Power consumption	W	1000, 1400, 1600, 1400, 1600
Frequency	Hz	50/60
Temperature	°C (°F)	50 – 600 (68 – 1112) steplessly controlled
Air flow	l/min.	max.230
Pressure stat.	Pa	ca. 3000 (30 mbar), after 24 h operating time
Emission level	L _{pA} (dB)	65
Size	mm	340 × 90, handle ø 56
Weight	kg (lbs)	1.4 (3.0) with 3 m cord
Approval mark:		CCA certified

Technical Data

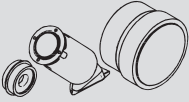
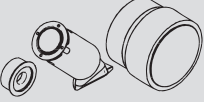
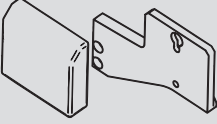
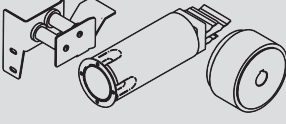
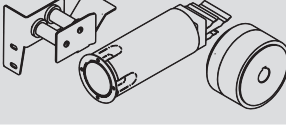
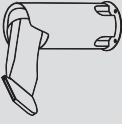
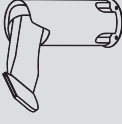
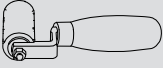
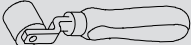
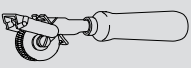
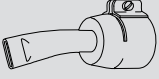


Type	Triac S	
Voltage	V~	42, 100, 120, 200, 230
Power consumption	W	1000, 1400, 1600, 1400, 1600
Frequency	Hz	50/60
Temperature	°C (°F)	20 – 700 (68 – 1282) steplessly controlled
Air flow	l/min.	max. 230
Pressure stat.	Pa	ca. 3000 (30 mbar), after 24 h operating time
Emission level	L _{pA} (dB)	65
Size	mm	340 × 90, handle ø 56
Weight	kg (lbs)	1.3 (2.8) with 3 m cord
Approval mark:		CCA certified



TRIAC PID with 20 mm wide slot nozzle and pressure roller being used for repair welding on a tarpaulin.



Welding tie downs with Triac S.

Order Number	Illustration not to scale	
115.065		Overlap welding unit for UNIPLAN, 20 mm
115.066		Overlap welding unit for UNIPLAN, 30 mm
115.067		Weight with holder for UNIPLAN
115.192		Tape welding unit, 50/40mm for UNIMAT
115.193		Tape welding unit, 40/50mm for UNIMAT
114.510		Overlap welding nozzle for UNIMAT, 20 mm
114.498		Overlap welding nozzle for UNIMAT, 40 mm
106.975		One-arm pressure roller 40mm with ball bearings (silicon)
106.977		Pressure roller 28mm (silicon)
106.981		Customs seal roller
107.123		Wide slot nozzle 20mm push-fit on Triac PID/Triac S
107.132		Wide slot nozzle 40mm push-fit on Triac PID/Triac S
107.142		Wide slot nozzle 20mm push-fit on Hot Jet S

Technical data are subject to change without notice.

Nozzles are not included to the hand tools.



LEISTER Process Technologies
Riedstrasse
CH-6060 Sarnen / Switzerland

Tel. + 41 41 662 74 74
Fax + 41 41 662 74 16
www.leister.com e-mail leister@leister.com

ISO 9001:2000