



PLASTIC WELDING

Welding floor coverings with Leister.

Fast and perfect.



Floor coverings are laid quicker with Leister.

Floor covering can be laid efficiently and effortlessly using the highly flexible machines from Leister. Automated machines, joint cutters, manual welding tools and accessories from Leister are extremely effective and easy to operate. Thanks to premium quality, durability, and performance, as well as valuable expert advice, Leister has remained the leader in the hot air plastic welding industry for over 50 years. Leister knows what flooring professionals need to succeed.

Welding machine

UNIFLOOR E

With the UNIFLOOR E you can weld floor coverings made of PVC-P, PE, linoleum and modified thermoplastics, without any reconfiguration, up to 7.5 meters per minute. It is reliable, technically perfect and easy to handle.



- All floor coverings welded without reconfiguration
- Integrated wall switch
- Steplessly adjustable airflow
- Easy operation
- Controlled drive and heating

Technical Data

Voltage	V~	120 230
Power consumption	W	1800 2300
Frequency	Hz	50 / 60
Temperature	°C	20 - 620, steplessly
Speed	m/min	0.5 - 7.5, steplessly
Air flow	%	50 - 100
Air flow (20°C)	l/min	300
Noise emission level L_{pA}	dB	67
Size L x W x H	mm	420 x 270 x 215
Weight	kg	ca. 14
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		⊕

Grooving machine

GROOVER

The grooving machine GROOVER cuts welding grooves into thick, tough floor coverings made of PVC-P, PE and linoleum. The tool glides on three rollers and cuts a uniform grooving depth, even at high speeds.



- Groove cutting of all types of floor coverings
- Easy handling
- Adjustable guide roller for tracking accuracy
- Particle and dust-free working with an additional fan and dust bag
- Very high rotational cutting speed

Technical Data

Voltage	V~	120 230
Power consumption	W	350 / 700 (2 levels)
Frequency	Hz	50 / 60
Speed	min ⁻¹	Level 1: 14500 (350 W) Level 2: 18500 (700 W)
Noise emission level L_{pA}	dB	84
Sound pressure level L_{WA}	dB	100
Vibration acceleration a_{hw}	m/s ²	1.6
Groove depth adjustment	mm	0 - 4, stepless
Size L x W x H	mm	240 x 205 x 255
Weight	kg	6.7 with 3 m cord and ejector pipe
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		⊞

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		□				



The grooving machine GROOVER glides on three rollers and ensures uniform grooving depth at high speeds. It cuts welding grooves in thick and tough floor coverings made from PVC, PE and linoleum.



ELECTRON hot air blower for forming of tiles, sheets, skirting boards, corners, stair edging, impact protection strips, hand-rails, as well as the rapid drying of fillers and adhesives.



TRIAC S hand-welding tool used for welding linoleum, equipped with a speed-welding nozzle.



HOT JET S is extremely suitable for welding in inaccessible places.

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		Ⓢ
Certification scheme		CCA
Protection class II		□

Hand tool

ELECTRON

The powerful, and yet small and versatile, Leister ELECTRON is a hand tool, perfect for the specialist.




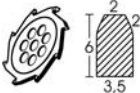

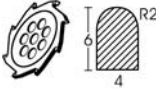

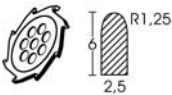
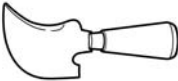
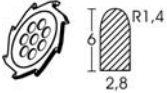

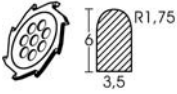

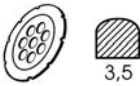
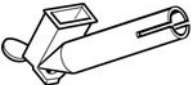
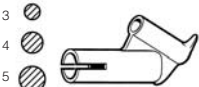
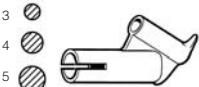
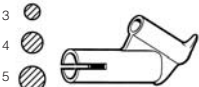
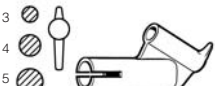
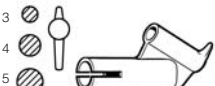
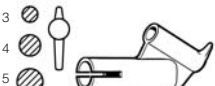


- Powerful
- Compact
- Robust
- Construction site tried and tested

Technical Data

Voltage	V~	42 120 200 230
Power consumption	W	1000 2700 3000 2300/3400
Frequency	Hz	50 / 60
Temperature	°C	20 - 650, steplessly controlled
Air flow (20°C)	l/min	500, manual air slide
Pressure static	Pa	3000 (30 mbar)
Noise emission level L _{pA}	dB	65
Size L x W x H	mm	320 x 95, handle Ø 64
Weight	kg	1.5 with 3 m cord
Marking of conformity		CE
Approval mark		Ⓢ
Protection class II		□

Accessories for Floor Coverings

115.054		Welding rod de-reeler > UNIFLOOR E	107.258		Wide slot nozzle 70 x 10 mm push-fit > ELECTRON
115.057		Trolley attachment > UNIFLOOR E	102.401		Tungsten carbide tipped blade ø 110 x 3.5mm, trapezium profile > GROOVER
106.966		Hand grooving tool	102.402		Tungsten carbide tipped blade ø 110 x 4mm, round profile > GROOVER
106.968		Spare blades for hand grooving tool	102.404		Tungsten carbide tipped blade ø 110 x 2.5mm, round profile > GROOVER
106.969		Spatula	102.403		Tungsten carbide tipped blade ø 110 x 2.8mm, round profile > GROOVER
107.144		Tubular nozzle ø 5 mm push-fit > HOT JET S	102.405		Tungsten carbide tipped blade ø 110 x 3.5mm, round profile > GROOVER
100.303		Tubular nozzle ø 5 mm push-fit > TRIAC PID > TRIAC S	102.406		Diamond cutting blade ø 110 x 3.5mm, semi-round profile > GROOVER
107.139		Speed welding nozzle 4.5 x 12mm for fillet seams, push-fit on tubular nozzle ø 5mm			
106.989		Speed welding nozzle 3 mm push-fit on tubular nozzle ø 5 mm			
106.990		Speed welding nozzle 4 mm push-fit on tubular nozzle ø 5 mm			
106.991		Speed welding nozzle 5 mm push-fit on tubular nozzle ø 5 mm			
105.431		Speed welding nozzle with small air-slide, for 3 mm wire push-fit on tubular nozzle ø 5 mm			
105.432		Speed welding nozzle with small air-slide, for 4 mm wire push-fit on tubular nozzle ø 5 mm			
105.433		Speed welding nozzle with small air-slide, for 5 mm wire push-fit on tubular nozzle ø 5 mm			

Technical data are subject to change without notice.

Nozzles are not included to the hand tools.



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.com



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