

LEISTER

PLASTIC WELDING

Welding floor coverings with Leister.

Fast and perfect.





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.

Plastic welding

We have remained the worldwide market leader in this field for decades. The performance and reliability of our products make us the first choice for welding machines for plastic processing. Leister products are used in roof sealing systems, floor coverings, plastic sheeting, earthworks, hydraulic and tunnel engineering, process equipment manufacturing and for vehicle repair.

Process heat

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

Laser systems

Our innovative solutions for precision plastic welding open up new manufacturing methods. Laser systems are used in automobile production, medical and sensor assembly, microsystems technology or for soldering electronic components. As the technological leader, Leister possesses the knowledge, methods, and patented concepts, which are perfectly suited to fulfil specific customer requirements.

Microsystems

In today's world the smallest structures play a huge roll. To keep our customers ahead of the field in the future, we are developing and producing micromechanical sensors and micro-optical components in our clean rooms today.

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

Floor coverings are laid quicker with Leister.

Floor covering can be laid efficiently and effortlessly using the highly flexible machines from Leister. Automatic machines, grooving machines, hand 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.

Hot air welding machine

UNIFLOOR E

With 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.



- Reproducible results thanks to digital display of set and actual values
- Electronically controlled heating
- Steplessly controlled air flow
- All floor coverings welded without reconfiguration
- Automatic start
- Integrated wall switch
- Unwind construction and trolley attachment as accessories available
- Compact, handy design

Technical Data		
Voltage	V~	120 230
Power consumption	W	1800 2300
Frequency	Hz	50 / 60
Temperature	°C	20 – 620
Speed	m/min	1.0 – 7.5
Air flow range	%	50 – 100
Air flow (20°C)	l/min	300
Noise emission level L_{pA}	dB	67
Size (L × W × H)	mm	420 × 270 × 215
Weight	kg	11.0 (with 3 m cord)
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
- Very high rotational cutting speed at two levels
- Easy and safe handling
- Adjustable guide roller for tracking accuracy
- Particle and dust-free working with an additional fan and dust bag
- Milling close to the edge possible

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
Size (L × W × H)	mm	240 × 205 × 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

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



- Reproducible results thanks to digital display of set and actual temperature
- 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 _{pA}	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

TRIAC S

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



- Adaptor tube with heat protection
- Electronic heating element protection
- Motor shut-off at minimal carbon level
- Multiple replacement of carbon brushes possible
- Suitable for continuous operation

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				
Air flow (20°C)	l/min	230				
Pressure static	Pa	ca. 3000 (30 mbar)				
Noise emission level L _{pA}	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		□				



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



ELECTRON hot air blower for forming of tiles, sheets, skirting boards, corners, stair edging, impact protection strips, handrails, 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 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 _{pA}	dB	59
Size (L × Ø)	mm	235 × 70, handle Ø 40
Weight	kg	0.6 (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.


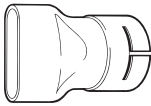

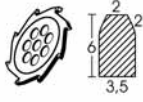


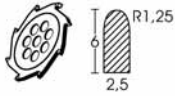
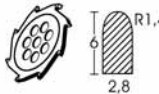

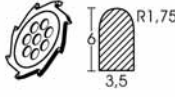

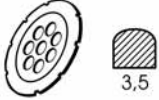
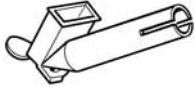
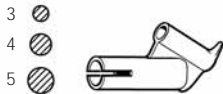
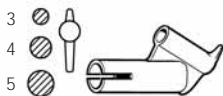


- Powerful
- Compact
- Robust
- Construction site tried and tested

Technical Data

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

Accessories for Floor Coverings

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

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



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