

**LEISTER**

PLASTIC WELDING

Shrinking with  
Leister.

Versatile and  
reliable.





## **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 Leister 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.

# Leister shrinks everything - even your workload.

Shrinkable plastics simplify many of the work processes today, especially when processed using the reliable, versatile and easy-to-operate equipment from Leister. Possessing a wealth of plastics processing knowledge, Leister is highly qualified to offer the right hot air welding tool for every job. 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 the professionals need to succeed.

## 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 <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

### 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 <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		Ⓢ	
Certification scheme		CCA	
Protection class II		Ⓜ	

**Hand tool**

**GHIBLI**

Derived from a hot desert wind – GHIBLI certainly lives up to its name! Thanks to two-step airflow switching and steplessly adjustable temperature, it can be used for the most diverse applications.



- Universal tool for welding and shrinking
- Welding results independent of voltage fluctuations and ambient temperature
- Two-step selectable air flow
- Extensive range of accessories

Technical Data			
Voltage	V~	100	120 230
Power consumption	W	1500	1500 2000
Frequency	Hz	50 / 60	
Temperature	°C	20 – 600	
Air flow (20°C)	l/min	Level 2: 300, Level 3: 350	
Pressure static	Pa	Level 2: 1500 (15 mbar), Level 3: 2100 (21 mbar)	
Noise emission level L <sub>pA</sub>	dB	65	
Size (L x W x H)	mm	195 x 85 x 160, handle Ø 57	
Weight	kg	1.25 (with 3 m cord)	
Marking of conformity		CE	
Approval mark		Ⓢ	
Certification scheme		CCA	
Protection class II		Ⓜ	



HOT JET S with spoon sieve reflector for solder shrinking.



Shrinking a solder sleeve with TRIAC PID.



Fitting a solder shrink connection with HOT JET S and push-fit sieve reflector.



Flameless shrink-wrapping of pallets and bulky goods with the FORTE S3. This allows work to be carried out in closed spaces.

## 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	3400	2300
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 <sub>pA</sub>	dB	65				
Size (L x Ø)	mm	320 x 95, handle Ø 64				
Weight	kg	1.5 (with 3 m cord)				
Marking of conformity		CE				
Approval mark		S				
Certification scheme		CCA				
Protection class II		□				

## Hand tool

# FORTE S3

The most powerful hand tool from Leister: FORTE S3 is extremely well suited to flameless shrinking of pallets and bulky goods.



- Powerful pallet-shrinking tool
- Uniform shrinkage
- May be used in the most confined spaces
- Integrated tool stand

### Technical Data

Voltage	V~	3 x 230	3 x 400	3 x 440
Power consumption	W	10000	10000	10000
Frequency	Hz	50 / 60		
Temperature	°C	650		
Air flow (20°C)	l/min	1000		
Pressure static	Pa	1200 (12 mbar)		
Noise emission level L <sub>pA</sub>	dB	76		
Size (L x W x H)	mm	390 x 132 x 215		
Weight	kg	5.2 (with 10 m cord)		
Marking of conformity		CE		
Approval mark		S		
Certification scheme		CCA		
Protection class II		□		

## Accessories for Shrinking

107.144		Tubular nozzle $\varnothing$ 5 mm, push-fit  > <b>HOT JET S</b>	107.324		Sieve reflector 12 x 10 mm, push-fit on tubular nozzle $\varnothing$ 5mm
100.303		Tubular nozzle $\varnothing$ 5 mm, push-fit  > <b>TRIAC PID &gt; TRIAC S</b>	107.325		Soldering reflector 17 x 34 mm, push-fit  > <b>GHIBLI</b>
107.154		Tubular nozzle $\varnothing$ 5 mm, push-fit  > <b>GHIBLI</b>	107.326		Shell reflector 25 x 150 mm, push-fit  > <b>TRIAC PID &gt; TRIAC S</b>
107.258		Wide slot nozzle 70 x 10 mm, push-fit  > <b>ELECTRON</b>	107.327		Sieve reflector 85 x 85 mm, push-fit  > <b>ELECTRON</b>
107.307		Spoon reflector 27 x 35 mm, push-fit  > <b>TRIAC PID &gt; TRIAC S</b>	107.328		Folding reflector 60 x 75 mm, push-fit  > <b>ELECTRON</b>
107.308		Sieve reflector 50 x 35 mm, push-fit  > <b>GHIBLI</b>	107.330		Folding reflector 125 x 22 mm, push-fit  > <b>ELECTRON</b>
107.309		Sieve reflector 35 x 20 mm, push-fit  > <b>GHIBLI</b>	107.331		Folding reflector 72 x 70 mm, push-fit  > <b>ELECTRON</b>
107.310		Sieve reflector 35 x 20 mm, push-fit  > <b>HOT JET S</b>	107.333		Sieve reflector 150 x 130 mm, push-fit  > <b>ELECTRON</b>
107.311		Sieve reflector 50 x 35 mm, push-fit  > <b>HOT JET S</b>	107.337		Sieve reflector 50 x 35 mm, push-fit  > <b>TRIAC PID &gt; TRIAC S</b>
107.312		Spoon reflector 25 x 30 mm, push-fit  > <b>HOT JET S</b>	107.338		Sieve reflector 35 x 20 mm, push-fit  > <b>TRIAC PID &gt; TRIAC S</b>
107.313		Spoon reflector 25 x 30 mm, push-fit  > <b>GHIBLI</b>	107.339		Soldering reflector 17 x 34 mm, push-fit  > <b>TRIAC PID &gt; TRIAC S</b>
107.315		Folding reflector 70 x 12 mm, push-fit  > <b>GHIBLI</b>	107.340		Shell reflector 45 x 250 mm, push-fit  > <b>ELECTRON</b>
107.316		Folding reflector 84 x 14 mm, push-fit  > <b>GHIBLI</b>			

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



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