



**Plastic
fabrication with
Leister.**

**Versatile and
economical.**



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.



The company building in Sarnen, Switzerland

LEISTER



Plastic Welding

For decades now, we have been the worldwide market leader. The proverbial performance and reliability of our products makes Leister the first choice. Our tools are used in roof sealing systems, floor coverings, plastic sheeting, in earthworks, hydraulic and tunnel engineering, in process equipment manufacturing and for vehicle repair.

NOVOLAS™



Lasersystems

Our innovative solutions for precision welding of plastics open up new production methods in automobile manufacturing, in medical and sensory technology, electronics, as well as in micro-systems technology or in solde-ring electronic components.

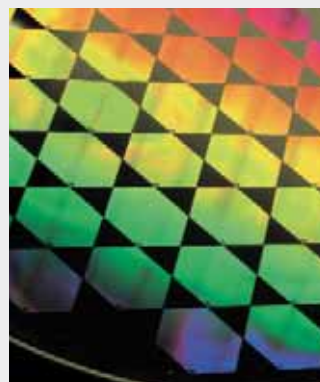
LEISTER



Process heat

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

a:etris



Microsystems

In tomorrow's world, the smallest of structures will play a huge role! In order for our customers to keep ahead of the field in the future, we are already developing and producing micro-mechanical sensors and micro-optical components in our cleanroom today.

Leister supplies devices for perfect quality.

In apparatus and container construction with thermoplastic plastics, everything has to be welded perfectly from the beginning. That is why since many decades the demanding professional relies on Leister. Because Leister not only offers a varied selection of welding devices and accessories, but is also equipped with extensive know-how in the processing of plastic. And thanks to worldwide presence, they know what the practitioner requires.



Pipe constructions made of PE for thermal energy systems, Switzerland



Containers made of PP for galvanic processes, Italy



Containers made of PP, Switzerland



Silo containers made of PP, South Africa



Ship constructed completely of HD-PE, Turkey



13 meter high silos was made of HDPE, Spain

A special class of hand extruder.

Leister offers a complete selection of air-heated manual extruders. They are the answer to the high requirements placed on extruder welding in many of today's target markets. The balanced weight distribution and the simple operation ensure a perfect welding seam. Innovation from Leister proves itself once again using revolutionary technology, fulfilling our customer expectations worldwide.



360° rotating welding shoe



Lower noise, high performance gearbox

Digitally regulated hand extruder **WELDPLAST S2**



Multifunctional display



Both sided twist-free wire intake



Ergonomic construction

Technical Data

Voltage	V~	230
Power consumption	W	3000
Frequency	Hz	50 / 60
Material		PE / PP / PVC on demande
Welding rod	Ø mm	3 or 4
Output (HDPE Ø 3)	kg/h	PE 0.6 - 1.3 PP 0.5 - 1.2
Output (HDPE Ø 4)	kg/h	PE 1.0 - 2.3 PP 0.9 - 2.0
Size (L x B x H)	mm	450 x 98 x 260 (without welding shoe)
Weight	kg	5.8 (without cord)
Marking of conformity		CE
Certification scheme		CCA
Protection class I		⊕

Welding shoe blank, within the scope of delivery.

Article no 127.215 with Euro plug Accessories pages 10/11



Maintenance-free blower



Freely adjustable handgrip



The WELDPLAST S2 also remains easy to handle during vertical welding.



Clearly arranged working with the WELDPLAST EC4.



WELDPLAST EC4 in installation application.

Digitally regulated hand extruder

WELDPLAST S4

Compact and ergonomic. The WELDPLAST S4 hand extruder is the first of its type with its brushless, maintenance-free motor for generating preheated air. An output of up to 4 kg/h is possible thanks to its powerful drive system.



- Compact housing design reduces noise and guarantees optimal cooling for the electronics and drive
- Illuminated graphics display
- Microprocessor to regulate the welding process and to monitor the tool
- Menu with function programs
- Air flow up to 450 l/min
- Both sided twist-free wire intake
- Simple rotatable handle
- Complies with DVS (German Welding Association) standards

Technical Data		
Voltage	V~	230
Power consumption	W	3680
Frequency	Hz	50 / 60
Material		PE / PP
Welding rod	Ø mm	3 or 4
Output (HDPE Ø 4)	kg/h	2.2 – 4.0
Size (L x B x H)	mm	560 x 110 x 300 (without welding shoe)
Weight	kg	8.7 (without cord)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓜ

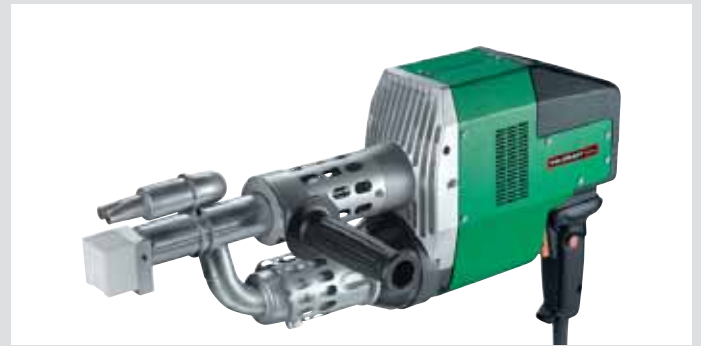
Welding shoe blank, large, medium and small preheating nozzles contained within the scope of delivery.

Article no 116.948 with Euro plug Accessories pages 10/11

Digitally regulated hand extruder

WELDPLAST EC4

The WELDPLAST EC4 hand extruder with two maintenance-free, brushless motors for drive and preheated air. Advanced features and compact design make it an ideal partner for professional work in plastic fabrication and civil engineering.



- Powerful and noise-free servo-drive with integrated electronics
- Illuminated graphics display
- Microprocessor to regulate the welding process and to monitor the tool
- Menu with function programs
- Air flow up to 450 l/min
- Both sided twist-free wire intake
- Simple rotatable handle
- Complies with DVS (German Welding Association) standards

Technical Data		
Voltage	V~	230
Power consumption	W	3680
Frequency	Hz	50 / 60
Material		PE / PP
Welding rod	Ø mm	3 or 4
Output (HDPE Ø 4)	kg/h	1.1 – 4.0
Size (L x B x H)	mm	560 x 110 x 300 (without welding shoe)
Weight	kg	10.5 (without cord)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓜ

Welding shoe blank, large, medium and small preheating nozzles contained within the scope of delivery.

Article no 123.839 with Euro plug Accessories pages 10/11



FUSION 3C is the ideal partner for the extrusion of larger welding seams.



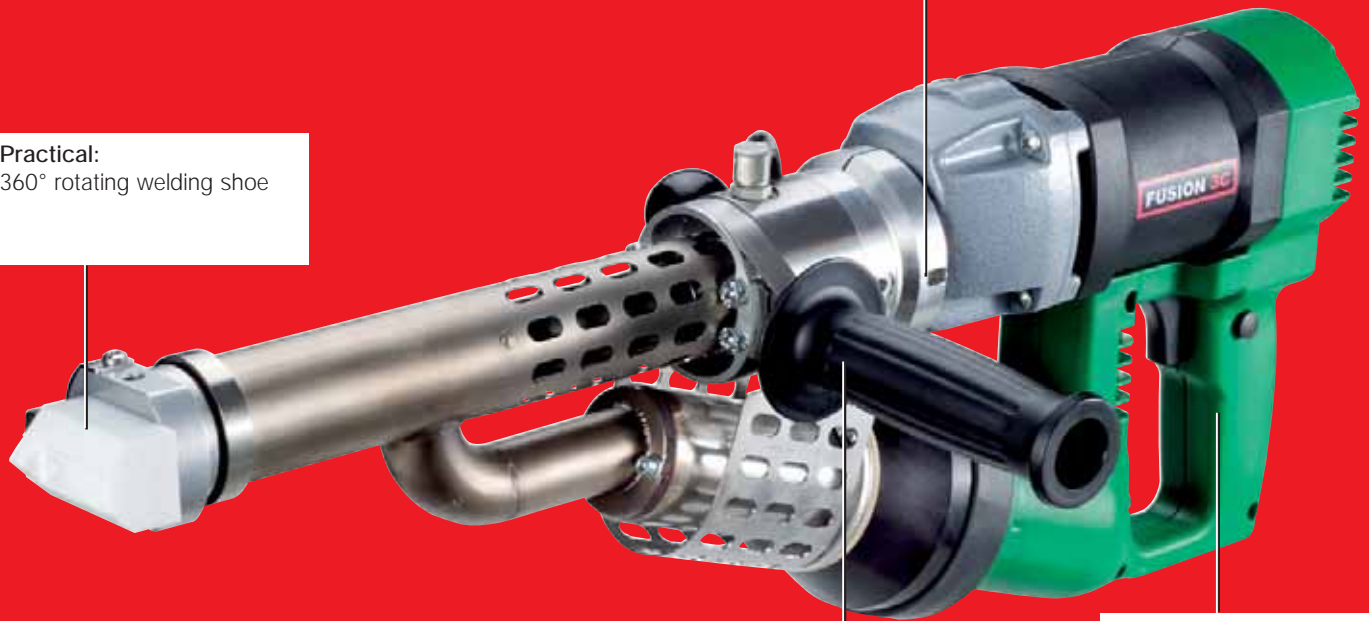
FUSION 2 for fatigue-free work.

Air heated hand extruder

FUSION 3C

User-friendly:
Both sided twist-free wire intake

Practical:
360° rotating welding shoe



Ergonomic:
The operating grip lies optimally in the hand.

A work-horse:
The FUSION 3C convinces with its short and compact construction. Due to the balanced weight distribution work can be performed with this reliable hand extruder without interruption over a longer period of time. And this with a maximum discharge quantity of up to 3.5 kg/h.

Freely adjustable:
The freely adjustable guiding grip adapts itself to the operator.



With the FUSION 2 work can even be performed in confined spaces.



The FUSION 2 in operation during container construction.

Air heated hand extruder

FUSION 2

This small powerhouse convinces with its ergonomic construction. The simple operation and the first-class welding quality have helped it to the breakthrough.



- Screw extruder with integrated hot air blower for preheating material and welding seam
- With 450 mm the shortest in its performance class!
- Compact and handy
- The motor start-up protection prevents cold start
- Simple operation
- Symmetrical weight distribution
- Both sided twist-free wire intake
- 360° rotating welding shoe
- Integrated electronics for stepless adjustment of the preheating temperature and output quantity

Technical Data

Voltage	V~	230
Power consumption	W	2800
Frequency	Hz	50 / 60
Material		PE/PP
Temperature	°C	up to 340
Plastification-Temperature	°C	up to 300
Welding rod	Ø mm	4
Output PE	kg/h	1.3 – 1.8
Size (L x B x H)	mm	450 x 98 x 225 (without welding shoe)
Weight	kg	5.9 (with 3 m cord)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		Ⓜ

Article no 119.200 with Euro plug Accessories pages 10/11

Air heated hand extruder

FUSION 3C

Despite its simple and symmetrical construction, the FUSION 3C hand extruder achieves an output of up to 3.5 kg/h. A single hot-air blower is sufficient for heating the plastic filler and preheated air.



- Screw extruder with integrated hot air blower for preheating material and welding seam
- Discharge quantity up to 3.5kg/h
- Compact and handy
- The motor start-up protection prevents cold start
- Simple operation
- Symmetrical weight distribution
- Both sided twist-free wire intake
- 360° rotating welding shoe
- Integrated electronics for stepless adjustment of the preheating temperature and output quantity

Technical Data

Voltage	V~	230
Power consumption	W	2800
Frequency	Hz	50 / 60
Material		PE/PP
Temperature	°C	up to 350
Plastification-Temperature	°C	up to 320
Welding rod	Ø mm	3 or 4
Output PE	kg/h	1.6 – 3.5
Size (L x B x H)	mm	588 x 98 x 225 (without welding shoe)
Weight	kg	6.9 (with 3 m cord)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		Ⓜ

Article no 123.866 with Euro plug Accessories pages 10/11



With the long FUSION 3, welding seams near to the ground can be simply extruded.



Small but powerful: The easy to handle and low-noise WELDMAX.



With the WELDMAX work can even be performed in confined spaces.

Air heated hand extruder

FUSION 3

With its long and slim construction, the FUSION 3 allows pleasant working even on the ground. For the heating of the plastic mass and pre-heating air, one single hot air ventilator is sufficient.



- Screw extruder with integrated hot air blower for preheating material and welding seam
- Compact and handy
- Integrated electronics for stepless adjustment of the preheating temperature and output quantity
- The motor start-up protection prevents cold start
- 360° rotating welding shoe
- Air flow up to 450 l/min
- Twist-free welding rod feed for 3 mm or 4 mm rod

Technical Data

Voltage	V~	230
Power consumption	W	3500
Frequency	Hz	50 / 60
Material		PE / PP
Welding rod	Ø mm	3 or 4
Output (HDPE Ø 4)	kg/h	2.0 – 3.5
Size (L x B x H)	mm	670 x 90 x 180 (without welding shoe)
Weight	kg	7.2 (without cord)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		Ⓜ

Article no 118.300 with Euro plug Accessories pages 10/11

Digitally regulated hand extruder

WELDMAX

The smallest tool still packs a punch: With separately regulated heating systems for preheated air and filler, the light and compact WELDMAX hand extruder fulfils even the most stringent requirements of the DVS (German Welding Association).



- Extremely compact, handy and low-noise thanks to its non-screw transportation and plastification
- The lightest hand extruder
- Ideal for confined spaces
- Separate, stepless temperature control for plastification unit and preheated air
- Complies with DVS (German Welding Association) standards

Technical Data

Voltage	V~	230
Power consumption	W	2200
Frequency	Hz	50 / 60
Material		PE / PP / PVDF
Welding rod	Ø mm	4 ± 0.3
Output (HDPE Ø 4)	kg/h	0.3 – 0.8
Size (L x B x H)	mm	443 x 94 x 255, handle Ø 57
Weight	kg	3.8 (without cord)
Marking of conformity		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		Ⓜ

Article no 110.272 with Euro plug Accessories pages 10/11
Further models on request

Product overview

	Digitally regulated hand extruder			Air heated hand extruder			Compact hand extruder
							
Device type	WELDPLAST EC4	WELDPLAST S4	WELDPLAST S2	FUSION 3	FUSION 3C	FUSION 2	WELDMAX
Discharge (HDPE) kg/h	0.7 – 4	1.5 – 4	0.6 – 2.3	1.6 – 3.5	1.6 – 3.5	1.3 – 1.8	0.3 – 0.8
Material	PE, PP	PE, PP	PE, PP *	PE, PP	PE, PP	PE, PP	HD-PE, PP, PVDF
Wall thickness mm	4 – 35	8 – 35	4 – 20	8 – 25	8 – 25	6 – 15	4 – 10
Welding wire mm	∅ 3, ∅ 4	∅ 3, ∅ 4	∅ 3, ∅ 4	∅ 3 and ∅ 4	∅ 3 and ∅ 4	∅ 4	∅ 4
Weight kg	10.5	8.7	5.8	7.2	6.9	5.9	3.8
Length mm	560	560	450	690	588	450	433
Voltage V~	230	230	230	230	230	230	230
Screw extruder	yes	yes	yes	yes	yes	yes	no
Container construction	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Pipeline construction	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Refuse grounds / civil engineering	✓	✓✓	✓	✓✓	✓✓	○	○
Comments	1 / 3	1 / 3	1	2	2	2	1

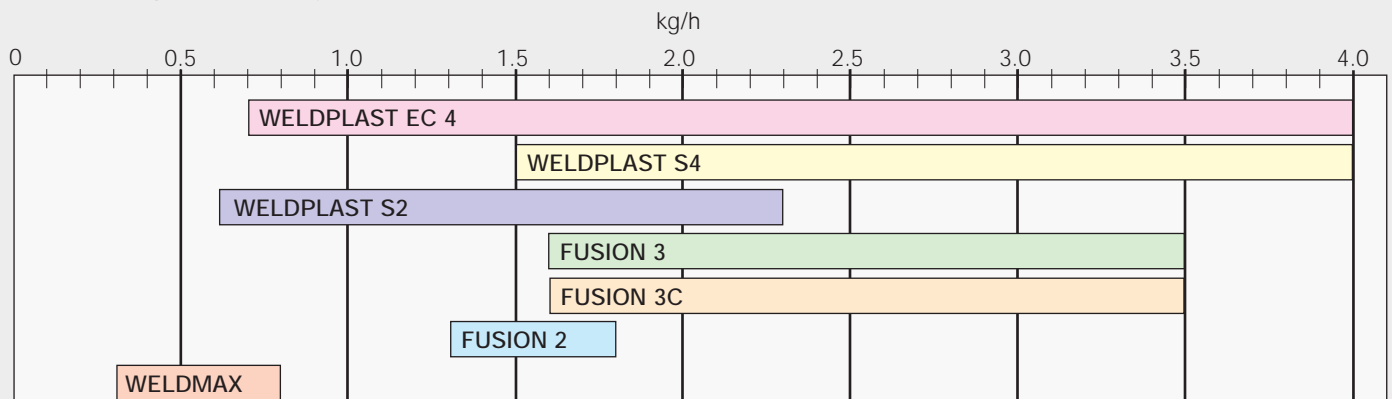
* PVC on request

Comments :

- 1: Air and plast temperatures are shown via a display and can be separately freely adjusted.
- 2: The air temperature is adjusted by means of a potentiometer (rotating button). The heating of the plastic mass is performed by the pre-heating air.
- 3: WELDPLAST S4 has a brushless blower motor. WELDPLAST EC4 is equipped with brushless motors for drive and blower.

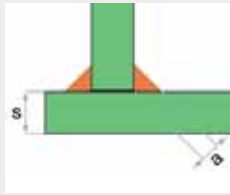
✓ = suitable, ✓✓ = very suitable, ○ = unsuitable

Discharge quantity hand extruders in overview

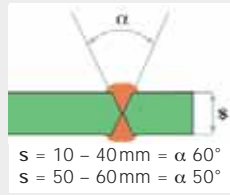


Possibilities of welding seams

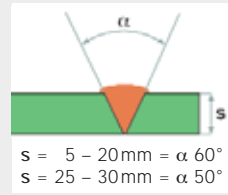
Fillet welding seam



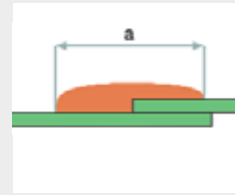
X-seam



V-seam




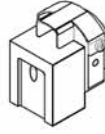





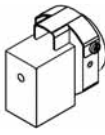



Overlap



Legend: a = seam size s = material thickness alpha = milling angle

Accessories hand extruders

	112.629	Welding shoe complete, V-seam 5 mm		118.887	Welding shoe complete, for fillet weld 5/6 mm (a = 4.2 mm)	
	112.621	Welding shoe complete, V-seam 6 mm		118.885	Welding shoe complete, for fillet weld 8/10 mm (a = 7 mm)	
	112.623	Welding shoe complete, V-seam 8 mm		119.139	Welding shoe complete, for fillet weld 15 mm (a = 10.5)	
	112.624	Welding shoe complete, V-seam 10 mm > WELDMAX		119.140	Welding shoe complete, for fillet weld 20 mm (a = 14 mm)	
	112.630	Welding shoe complete, for fillet weld 5 mm (a = 3.5 mm)		119.141	Welding shoe complete, for fillet weld 25 mm (a = 17.5 mm)	
	112.625	Welding shoe complete, for fillet weld 6 mm (a = 4.2 mm)		119.142	Welding shoe complete, for fillet weld 30 mm (a = 21 mm) > FUSION 2 > FUSION 3 > FUSION 3C > WELDPLAST S2	
	112.627	Welding shoe complete, for fillet weld 8 mm (a = 5.6 mm)		118.890	Welding shoe complete, overlap 25 mm	
	112.628	Welding shoe complete, for fillet weld 10 mm (a = 7 mm) > WELDMAX			119.185	Welding shoe complete, overlap 35 mm > FUSION 2 > FUSION 3 > FUSION 3C > WELDPLAST S2
	112.626	Welding shoe complete, overlap 20 mm > WELDMAX		129.008	Welding shoe complete, corner, short Ø 20 mm > FUSION 2 > FUSION 3 > FUSION 3C > WELDPLAST S2	
	112.830	Welding shoe blank complete > WELDMAX				129.010
	118.888	Welding shoe complete, V-seam 5/6 and X-seam 10/12 mm		118.094		
	118.889	Welding shoe complete, V-seam 8/10 and X-seam 15/20 mm			119.214	Welding shoe complete, blank 70 x 50 x 47.5 mm > FUSION 2 > FUSION 3 > FUSION 3C > WELDPLAST S2
	119.202	Welding shoe complete, V-seam 12 and X-seam 25 mm		119.193		Welding shoe complete, V-seam 5/6 and X-seam 10/12 mm
	119.203	Welding shoe complete, V-seam 15 and X-seam 30 mm			119.194	Welding shoe complete, V-seam 8/10 and X-seam 15/20 mm
	119.204	Welding shoe complete, V-seam 20 and X-seam 35/40 mm		119.195		Welding shoe complete, V-seam 12 and X-seam 25 mm
	119.205	Welding shoe complete, V-seam 25 mm			119.196	Welding shoe complete, V-seam 15 and X-seam 30 mm
	119.206	Welding shoe complete, V-seam 30 mm > FUSION 2 > FUSION 3 > FUSION 3C > WELDPLAST S2				119.197



Welding wire roll-off device



Device stand for WELDPLAST S2



Device stand for WELDPLAST S4/EC4 and FUSION 3C with welding wire roll-off device and welding shoe pre-heater

	119.198	Welding shoe complete, V-seam 25 mm		117.064	Hot air guide on top		
	119.199	Welding shoe complete, V-seam 30 mm		> WELDPLAST S4 > WELDPLAST EC4			
	119.159	Welding shoe complete, for fillet weld 5/6 mm (a = 4.2 mm)		117.065	Hot air guide on top		
	119.161	Welding shoe complete, for fillet weld 8/10 mm (a = 7 mm)		> WELDPLAST S4 > WELDPLAST EC4			
	119.163	Welding shoe complete, for fillet weld 15 mm (a = 10.5 mm)			117.053	Preheating nozzle small	
	119.164	Welding shoe complete, for fillet weld 20 mm (a = 14 mm)			> WELDPLAST S4 > WELDPLAST EC4		
	119.165	Welding shoe complete, for fillet weld 25 mm (a = 17.5 mm)				117.518	Preheating nozzle medium
	119.166	Welding shoe complete, for fillet weld 30 mm (a = 21 mm)				> WELDPLAST S4 > WELDPLAST EC4	
	119.188	Welding shoe complete, overlap 25 mm				117.055	Preheating nozzle large
	119.190	Welding shoe complete, overlap 35 mm				> WELDPLAST S4 > WELDPLAST EC4	
	129.009	Welding shoe complete, across, small Ø 20 mm		131.451		Tool rest	
	129.011	Welding shoe complete, across, large Ø 14 mm		> WELDPLAST S4 > WELDPLAST EC4			
	119.217	Welding shoe complete, blank 50 x 40 x 38 mm		118.804	Tool rest		
	119.222	Welding shoe complete, blank 70 x 50 x 47.5 mm		> WELDPLAST S4 > WELDPLAST EC4 > FUSION 3C			
	118.188	Welding rod de-reeler		118.188	Welding rod de-reeler		
	112.852	Storage case		> WELDPLAST S4 > WELDPLAST EC4 > FUSION 3			
				112.852	Storage case		
					> WELDMAX		



Welding a molded part with TRIAC PID and push-fit speed welding nozzle..



Even within the most confined spaces the TRIAC S allows highest welding quality.

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~	230
Power consumption	W	1600
Frequency	Hz	50 / 60
Temperature	°C	50 – 600
Temperature (20°C)	l/min	230
Size (L x Ø)	mm	340 x 90, handle Ø 56
Weight	kg	1.4 (with 3 m cord)
Marking of conformity	CE	
Marking of conformity	S	
Certification scheme	CCA	
Protection class II	□	

Article no 100.742 with Euro plug, for screw-type nozzles
Accessories pages 18/19
Further models on request

Hand tool

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~	230
Power consumption	W	1600
Frequency	Hz	50 / 60
Temperature	°C	20 – 700
Temperature (20°C)	l/min	230
Size (L x Ø)	mm	340 x 90, handle Ø 56
Weight	kg	1.4 (with 3 m cord)
Marking of conformity	CE	
Marking of conformity	S	
Certification scheme	CCA	
Protection class II	□	

Article no 100.706 with Euro plug, for screw-type nozzles
Accessories pages 18/19
Further models on request

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~	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)
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	S	
Certification scheme	CCA	
Protection class II	□	

Article no 100.648 with Euro plug Accessories pages 18/19
Further models on request

Hand tool

ELECTRON

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



- Powerful
- Compact
- Robust

Technical Data

Voltage	V~	230
Power consumption	W	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)
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	□	

Article no 107.781 with Euro plug Accessories pages 18/19
Further models on request



Convenient wire welding with the compact and light DIODE PID.



Diode PID with MINOR blower.

Hand tool

DIODE PID

For the highest quality standards, the specialist turns to the Leister DIODE PID. The welding temperature of this tool is electronically controlled.



- Temperature electronically regulated and digitally displayed
- Electronic heating element protection
- Adaptor tube with heat protection
- Push-fit and screw-on nozzles for round and profile welding rods
- Air supply provided by the ROBUST or MINOR blowers
- Suitable for mobile assembling applications when connected to the MINOR blower

Technical Data		
Voltage	V~	230
Power consumption	W	1600
Frequency	Hz	50 / 60
Temperature	°C	20 – 600
Min. Temperature (20° C)	l/min	40
Size (L x Ø)	mm	265 x 57, handle Ø 40
Weight	kg	1.15 (with 3 m cord / 3 m air hose)
Marking of conformity	CE	
Marking of conformity	S	
Certification scheme	CCA	
Protection class II	□	

Article no 101.304 with Euro plug, for screwable nozzles
Accessories pages 19
Further models on request

Hand tool

DIODE S

The Leister DIODE S hand tool is an especially successful combination of easy handling and power with stepless welding temperature control.



- Electronic temperature control
- Overheating protection for heating elements
- Adaptor tube with heat protection
- Push-fit and screw-on nozzles for round and profile welding rods
- Air supply provided by the ROBUST or MINOR blowers
- Suitable for mobile assembling applications when connected to the MINOR blower

Technical Data		
Voltage	V~	230
Power consumption	W	1600
Frequency	Hz	50 / 60
Temperature	°C	20 – 600
Min. Temperature (20° C)	l/min	40
Size (L x Ø)	mm	265 x 57, handle Ø 40
Weight	kg	1.15 (with 3 m cord / 3 m air hose)
Marking of conformity	CE	
Marking of conformity	S	
Certification scheme	CCA	
Protection class II	□	

Article no 101.282 with Euro plug, for screwable nozzles
Accessories pages 19
Further models on request



Rod welding using the compact, powerful WELDING PEN R.



The rotating hose adapter on the WELDING PEN facilitates the work.

Hand tool

WELDING PEN R

The latest generation of tools presents itself as extremely handy. Because the air supply comes from a separate blower, the Leister WELDING PEN R reaches into the most inaccessible places. It also displays the welding temperature digitally.



- Worldwide the smallest hand tool with digital display of set and actual temperature
- Tireless work tanks to rotating handgrip
- Fatigue-free working thanks to its ergonomic handle
- Heating element protection
- Cooled heating element tube
- Exact temperature control thanks to micro processor

Technical Data		
Voltage	V~	230
Power consumption	W	1000
Frequency	Hz	50 / 60
Temperature	°C	20 – 600
Min. Temperature (20° C)	l/min	40
Size (L x Ø)	mm	270 x 43, handle Ø 32
Weight	kg	1.0 (with 3 m cord / air hose and y-connection)
Marking of conformity	CE	
Marking of conformity	S	
Certification scheme	CCA	
Protection class II	□	

Article no 114.380 with Euro plug Accessories pages 19
Further models on request

Hand tool

WELDING PEN S

With the WELDING PEN S from Leister, you can also weld hard-to-access places, as air is supplied via a separate blower. Tireless work tanks to rotating handgrip



- Ultra-compact and flexible to use
- Tireless work tanks to rotating handgrip
- Heating element protection
- Cooled protective tube

Technical Data		
Voltage	V~	230
Power consumption	W	1000
Frequency	Hz	50 / 60
Temperature	°C	20 – 600
Min. Temperature (20° C)	l/min	60
Size (L x Ø)	mm	270 x 43, handle Ø 32
Weight	kg	1.0 (with 3 m cord / air hose and y-connection)
Marking of conformity	CE	
Marking of conformity	S	
Certification scheme	CCA	
Protection class II	□	

Article no 113.081 with Euro plug Accessories pages 19
Further models on request



Blower MINOR as air supply for the DIODE PID.

Blowers

MINOR

Don't be deceived by MINOR's small size and low weight: this blower delivers sufficient air to enable quality work with a Leister DIODE PID or DIODE S.



- Lightweight and compact
- Powerful
- Mobile air supply for Leister welding machines

Technical Data		
Voltage	V~	230
Power consumption	W	100
Frequency	Hz	50 / 60
Temperature (20°C)	l/min	400
Pressure static	Pa	4000
Outlet opening (outside)	mm	14.5
Size (L x Ø)	mm	250 x 95, handle Ø 64
Weight	kg	1.15 (with 3 m cord)
Marking of conformity	CE	
Marking of conformity	S	
Certification scheme	CCA	
Protection class II	□	
Article no	108.747 with Euro plug Further models on request	

Blowers

ROBUST

Versatile and operable at high ambient temperature up to 60°C. Despite its small dimensions, ROBUST is a real powerhouse. It offers great flexibility thanks to its extensive range of accessories.



- Compact construction – high performance
- Sound-suppressed
- Continuous operation
- Can be fitted in every position
- As air supplier for 3 DIODE PID/S or 1 WELDING PEN R/S

Technical Data		
Voltage	V~	230
Power consumption	W	250
Frequency	Hz	50 / 60
Temperature (20°C)	l/min	1200 / 1300
Pressure static	Pa	8000 / 10 500
Ambient temperature	°C	< 60
Protection type (IEC 60529)	IP 54	
Intake opening (outside)	Ø mm	38
Outlet opening (outside)	Ø mm	38
Weight	kg	8.0 (with 3 m cord)
Size (L x B x H)	mm	255 x 221 x 221
Marking of conformity	CE	
Protection class I	⊕	
Article no	103.432 with Euro plug Further models on request	





Welding wires

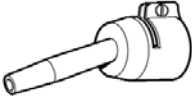
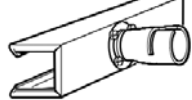
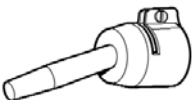
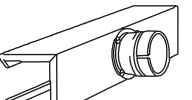
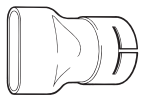
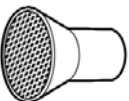
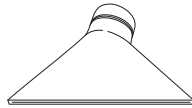
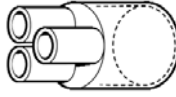
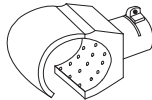
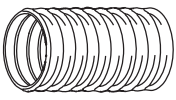

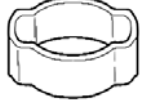

Article		kg per packaging unit
Welding accessories PE		
104.283	Welding wire HD-PE, profile A, black	3
104.294	Welding wire HD-PE, profile A, white	3
104.284	Welding wire HD-PE, profile B, black	5
104.299	Welding wire HD-PE, profile B, white	5
106.650	Welding wire HD-PE, 8x 2 mm, white	1
104.300	Welding wire LD-PE, profile A, black	3
Welding accessories PP		
104.287	Welding wire PP, profile A, grey/beige	3
104.301	Welding wire PP, profile A, black	3
104.288	Welding wire PP, profile B, grey/beige	5
126.356	Welding wire PP, 8x 2 mm, natural	1
Welding accessories PVC		
104.296	Welding wire PVC-U (hard), profile A, transparent	3
104.278	Welding wire PVC-U (hard), profile A, grey	3
106.641	Welding wire PVC-U, profile A, brown	3
104.280	Welding wire PVC-U (hard), profile B, brown	5
104.279	Welding wire PVC-U (hard), profile B, grey	5
104.302	Welding wire PVC-P (soft), profile A, transparent	3
Welding accessories ABS		
104.295	Welding wire ABS, profile A, white	5
113.587	Welding wire ABS, profile A, black	3
107.027	Welding band ABS, 8x 2 mm, white	1

Article		kg per packaging unit
Welding accessories div.		
104.297	Welding wire PA, profile A, black	3
104.298	Welding wire PC, profile A, transparent	3
104.313	Welding wire PC / ABS / ALPHA (Honda), profile A, black	3
104.311	Welding wire PC / PBTP (Xenoy), profile A, grey	3
104.309	Welding wire PS, profile A, white	3
104.308	Welding wire PUR, profile A, black	3
106.654	Welding wire Xenoy, 8x 2 mm, grey	1
106.642	Welding wire PPS, profile A, grey, flame resistant	3
104.304	Welding wire PVDF, profile A, natural	3
104.303	Welding wire POM, profile A, natural	3
Test bundles		
107.036	Test bundle bodywork welding wires consisting of respectively 37 cm long profile A pieces single marked 6x HD-PE, 6x PP, 6x PA, 6x PC, 6x ABS, 6x PCABS / ALPHA Honda, 6x PC / PBTP / Xenoy	
107.037	Test bundle standard, consisting of respectively 37 cm long profile A pieces, single marked 5x PVC-U, 5x PVC-P, 5x PP, 5x ABS, 5x HD-PE, 3x PC, 3x PA, 3x POM, 3x LD-PE, 3x PC / ABS / ALPHA Honda, 3x PC / PBTP / Xenoy	
107.040	Test bundle welding band, consisting of 37 cm long pieces, single marked 9x HD-PE 8x 2 mm white, 9x PP, 8x 2 mm natural, 9x ABS, 8x 2 mm white, 9x PC / PBTP / Xenoy grey	

Profile sizes

		Size in mm
Profile A		
Profile B		

Accessories for hand tools

	107.144	Pipe nozzle \varnothing 5 mm, push-on > HOT JET S		107.326	Shell reflector 25 x 150 mm, push-on > DIODE PID > DIODE S > TRIAC PID > TRIAC S
	100.303	Pipe nozzle \varnothing 5 mm, for versions nozzles, push-on > DIODE PID > DIODE S > TRIAC PID > TRIAC S		107.340	Shell reflector 45 x 250 mm, push-on > ELECTRON
	107.258	Wide slot nozzle 70 x 10 mm, push-on > ELECTRON		107.354	Stainless steel filter, push-on > ROBUST
	107.270	Wide slot nozzle 150 x 12 mm, push-on > ELECTRON		107.281	Hose coupling (\varnothing 38 mm) 3 outlets > ROBUST
	107.331	Folding reflector 72 x 70 mm, push-on > ELECTRON		101.681	Air hose \varnothing 14 mm > DIODE PID > DIODE S > WELDING PEN R > WELDING PEN S
	107.346	Welding mirror 270 mm, push-on > ELECTRON		101.031	Hose clamp for air hose \varnothing 14 mm
	107.344	Welding mirror 135 mm, push-on > DIODE PID > DIODE S > TRIAC PID > TRIAC S			



Combination of angular adapter and pulling nozzle.

	<p>113.666 113.399</p>	<p>Draw nozzle round, Ø 3 mm Draw nozzle round, Ø 4 mm, with tacking tip, screw on > DIODE PID/S > TRIAC PID/S > WELDING PEN R/S</p>		<p>127.726 127.727</p>	<p>Angular adapter for nozzle, screw on 30° 45°</p>
	<p>113.876 113.874</p>	<p>Draw nozzle round, Ø 3 mm Draw nozzle round, Ø 4 mm, without tacking tip, screw on > DIODE PID/S > TRIAC PID/S > WELDING PEN R/S</p>		<p>106.988</p>	<p>Tacking nozzle, screw on > DIODE PID/S > TRIAC PID/S > WELDING PEN/S</p>
	<p>113.670</p>	<p>Draw nozzle triangle shaped, 5.7 mm with tacking tip, screw on > DIODE PID/S > TRIAC PID/S > WELDING PEN/S</p>		<p>105.622</p>	<p>Tacking nozzle Ø 5 mm, screw on > DIODE PID/S > TRIAC PID/S > WELDING PEN/S</p>
	<p>113.877 106.986</p>	<p>Draw nozzle triangle shaped, without tacking tip, screw on draw nozzle 5.7 mm, profile A draw nozzle 7 mm, profile B > DIODE PID/S > TRIAC PID/S > WELDING PEN R/S</p>		<p>106.992 106.993</p>	<p>Speed welding nozzle 5.7 mm, Profil A Speed welding nozzle 7 mm, Profil B push-on on tubular nozzle Ø 5 mm</p>
	<p>126.552</p>	<p>Draw nozzle Ø 4 mm, screw on for Fluoroplastics > DIODE PID/S > TRIAC PID/S > WELDING PEN/S</p>		<p>106.989 106.990 106.991</p>	<p>Speed welding nozzle 3 mm Speed welding nozzle 4 mm Speed welding nozzle 5 mm, push-on on tubular nozzle Ø 5 mm</p>
				<p>106.996</p>	<p>Tacking nozzle, push-on on tubular nozzle Ø 5 mm</p>



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



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

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