



PLASTIC WELDING

Plastic Welding General Catalog Version 2.0

The only
choice for
professionals.





Leister Technologies AG, Corporate Center, Kaegiswil, Switzerland



Leister Technologies AG, production building, Sarnen, Switzerland



Leister Technologies AG, production building, Kaegiswil, Switzerland



Leister Technologies GmbH,
Aachen, Germany



Leister Technologies LLC,
Itasca, IL, USA



Leister Technologies KK,
Yokohama, Japan



Leister Technologies Ltd.,
Shanghai, China

Leister delivers performances.

Leister is the worldwide leader in the field of plastic welding and industrial hot air applications. For over 60 years. In addition we also offer innovative and effective lasersystems and microsystems. Leister is proud to develop and produce all products in Switzerland – so

you can always rely on the proverbial Swiss made quality. Over 95 percent of our products are exported. With an established, dense network of sales and service centers all over the globe, you will find a Leister partner guaranteed. We are local worldwide.



LEISTER

Plastic Welding

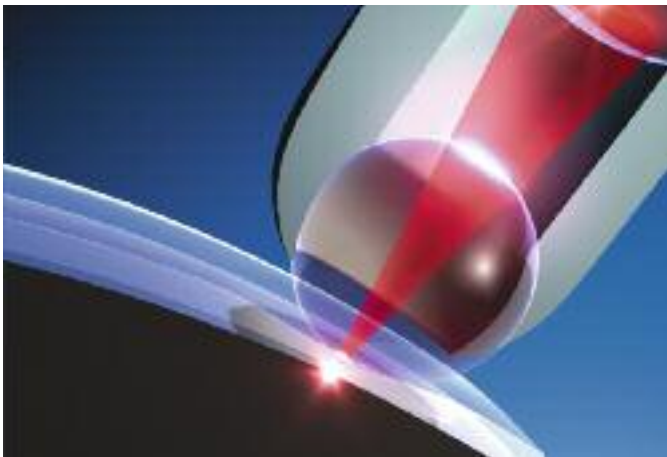
For decades now, we have been the worldwide market leader. The performance and reliability of our products makes Leister the first choice. Our tools are used in roofing, billboards and tarpaulins, civil engineering, tunneling and landfills, plastic fabrication, flooring and shrinking.



LEISTER

Process Heat

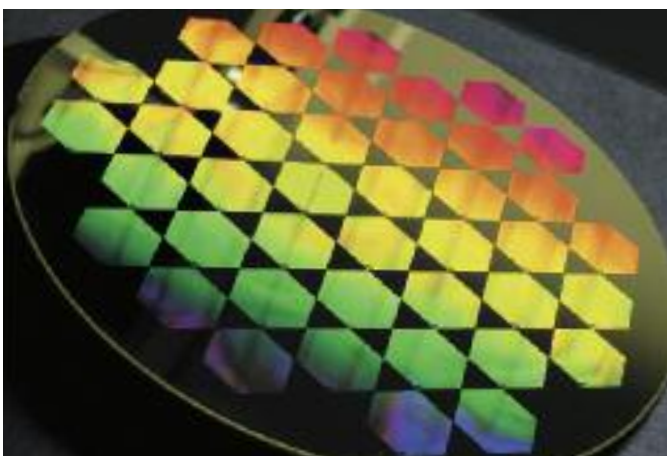
Whether for activation, heating, curing, melting, shrinking, welding, sterilization, drying or warming: hot-air is increasingly deployed in industrial processes. Leister customers profit from our extensive engineering knowledge and benefit from our advice in the conceptual design of hotair applications.



NOVOLAS™

Lasersystems

Our innovative solutions for precision welding of plastics open up new production methods in the automotive manufacturing, in medical and sensor technology, electronics, as well as in microsystems technology. The laser systems can also be used for process heat applications.



a:etris

Company of the Leister Group

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.

Plastic welding with Leister

Leister Technologies AG provides the appropriate and high quality welding device for all sectors of the plastics processing industry. Our tools are used in sealing systems on roofs, plastic sheeting, floor coverings, in earthworks, hydraulic and tunnel engineering, equipment manufacturing and vehicle repair. However demanding the task, we provide an applicable solution.

Research and development

With years of experience in plastic processing and industrial processes we are the ideal partner to work your plastic application. We have dedicated ourselves to constantly develop new and to persistently improve existing products. We strive to provide our customers with outstanding quality, reliability, performance and cost-efficient products.

Quality management

As an innovative company, Leister commits to transparent and consistent quality management. Leister Technologies AG is certified to comply with the ISO 9001 quality standards. All processes are regularly audited and improved to comply with all quality-relevant criteria; therefore, our products enjoy a reputation of providing reliable service even after years of use and under adverse conditions.

Testing and certification

Our products are designed and developed to comply with nationally and internationally recognized standards. This includes both products specific standards – such as ISO, IEC, EN or UL standards – as well as application specific standards. For our client's protection, tests are carried out by accredited and independent test institutes. The products are then certified and qualified to carry the marking of conformity.

Application and laboratory testing

Our team of experts will assist you in choosing the right equipment for your application process. Running test series on your applications will help optimize processes. The equipment of the application laboratory allows comprehensive testing for process analysis and documentation of the results.

More than 120 Sales and Service Centers in over 90 countries

We believe that the basis for customer satisfaction lies within the quality of our products and the smooth running global service network. A close network of more than 120 sales and service centers in more than 90 countries ensures competent and responsive service. Distributors and their staff are trained and certified by Leister on a regular basis; therefore, Leister know-how is locally available to you at all times.



Front cover: VARIANT T1 for billboards and tarpaulins (p. 50 / 51)





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Hot Air Tools



Roofing



Billboards / Tarpaulins



Civil Engineering / Tunneling / Landfills



Plastic Fabrication



Flooring / Interior Decoration





Hot Air Tools

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Product overview

												
Type	TRIACS	TRIACAT	TRIAC BT	HOT JET S	GHIBLI	SONORA S1	ELECTRON	FORTE S3	HOTWIND PREMIUM	LABOR S	WELDING PEN R/S	DIODE PID/S
Max. voltage V~	230	230	230	230	230	230	400	2x230/3x400	230	230	230	230
Max. power W	1600	1600	1600	460	2000	2000	5500	10000	3700	800/900	1000	1600
Temperature °C	20 – 700	40 – 700	20 – 700	20 – 600	20 – 600	80 – 650	20 – 650	20 – 650	20 – 650	20 – 600	20 – 600	20 – 600
Size mm (L x Ø) Handle mm (Ø)	340 x 90 56	335 x 90 56	330 x 90 56	235 x 70 40	195x85x160 57	230 x 200	320 x 95 64	390 x 132 215	232x106x179	180 x 54 40	270 x 43 32	265 x 57 40
Weight kg (without cord)	1.1	1.0	1.0	0.4	0.9	0.6	1.3	4.4	2.2	0.15	1.0	1.15
Conformity Marking	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE
Approval Mark	Ⓢ		Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ	Ⓢ
Certification Scheme	CCA		CCA, CB	CCA	CCA	CCA	CCA	CCA	CCA	CCA	CCA	CCA
Protection Class II	□	□	□	□	□	□	□	□	□	□	□	□
Applications												
Outdoor use	✓	✓	○	✓	○	○	✓	✓	○	○	○	○
Indoor use	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Roofing	✓	✓	○	✓	○	○	✓	○	○	○	○	○
Billboards / Tarpaulins	✓	✓	✓	✓	✓	✓	✓	○	○	○	○	○
Civil engineering / Tunneling / Landfills	✓	✓	○	✓	○	○	✓	○	○	○	○	○
Plastic fabrication	✓	✓	✓	✓	✓	○	○	○	○	✓	✓	✓
Flooring / Interior design	✓	✓	✓	✓	✓	✓	✓	○	○	○	○	○
Shrinking	✓	✓	✓	✓	✓	✓	✓	✓	✓	○	○	○
Integrated blower	✓	✓	✓	✓	✓	✓	✓	✓	✓	○	○	○
Digital display	○	✓	○	○	○	✓	○	○	✓	○	✓ (R)	✓ (PID)
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MINOR blower (p. 31) and ROBUST (p. 32) for external air supply.

TRIAC S: The best multi-purpose hot air tool.

The reliable, robust and proven hot air tool with stepless temperature adjustment. Whether for indoor or outdoor use, the TRIAC S is suitable for any application.

Hot air tool

TRIAC S



A specialist produces perfect welding seams using a reliable TRIAC S.

- Leister best-seller!
- Robust and reliable
- Adaptor tube with heat protection
- Electronic heating element protection
- Multiple replacements of carbon brushes possible
- Suitable for on-site use

Technical Data

Voltage	V~	230
Power	W	1600
Temperature	°C	20 – 700
Size (L x Ø)	mm	340 x 90, handle Ø 56
Weight	kg	1.1 (without 3 m cord)
Conformity Marking	CE	
Approval Mark	S	
Certification Scheme	CCA	
Protection Class II	□	

Article No.:

- 100.705 TRIAC S 230 V / 1600 W for push-fit nozzles with Euro plug
- 100.706 TRIAC S 230 V / 1600 W for screw-on nozzles with Euro plug
- 100.709 TRIAC S 230 V / 1600 W for push-fit nozzles with Australian plug
- 112.230 TRIAC S 230 V / 1600 W for push-fit nozzles with UK plug black
- 109.987 TRIAC S 120 V / 1600 W for push-fit nozzles with UK plug yellow

The handy storage case provides plenty of room for the required equipment.



➔ Accessories pages 16 / 17 / 18




TRIAC AT: Robust and intelligent.

The TRIAC AT is an intelligent hot air tool for welding and shrinking plastics that is suitable for on-site use. It is designed for the needs of even the most demanding professional. The TRIAC AT incorporates an ergonomic design, secure handling and a modern look. Every tool undergoes stringent quality checks prior to leaving the factory in Switzerland.

Product features

1		<p>Everything easily: Intuitive handling with proven «e-Drive» operating unit.</p> <p>Everything in view: Clearly visible information on the large «e-Drive» display.</p>
2		<p>Everything automatically: The set temperature reaches its level automatically, voltage fluctuations are compensated.</p>
3		<p>Everything under control: The temperature measurement probe guarantees a precise temperature.</p>
4		<p>Everything flexible: The air volume can be adjusted independently.</p>



5		<p>Everything really clean: The air filters on both sides can easily be removed and cleaned.</p>
6		<p>Everything really cool: Protective tube for greater work safety.</p>
7		<p>Everything handled perfectly: Soft and lightweight body ensures optimum handling.</p>

This high-quality hot air tool is equipped for any use. Its universal areas of application are virtually unlimited. The TRIAC AT will continue to prove its merit in any weather condition and is just as effective outside as it is indoors – all during continuous operation. No question, the new TRIAC AT is sure to impress!

Hot air tool

TRIAC AT



- Suitable for the work site
- Closed loop controlled temperature
- Open loop controlled air volume
- Intelligent «e-Drive» operating unit
- Ergonomic handling
- Modern design

Technical Data

Voltage	V~	230	120	100
Power	W	1600	1600	1400
Temperature	°C	40 – 700		
Air volume	l/min	120 – 240		
Size (L × Ø)	mm	335 × 90, handle Ø 56		
Weight	kg	1 (without 3 m cord)		
Conformity marking	CE			
Protection class II	⊠			

Article No.:

141.314	TRIAC AT 230 V / 1600 W, with EU plug
141.316	TRIAC AT 120 V / 1600 W, with US plug, °F
141.382	TRIAC AT 120 V / 1600 W, with US plug, °C
141.317	TRIAC AT 100 V / 1400 W, with JP plug
141.319	TRIAC AT 120 V / 1600 W, with UK plug
141.320	TRIAC AT 230 V / 1600 W, with UK plug
141.321	TRIAC AT 230 V / 1600 W, with AUS plug
141.322	TRIAC AT 230 V / 1600 W, with CH plug
141.323	TRIAC AT 230 V / 1600 W, with CN plug

Whether on the roof, for civil engineering, plastic fabrication or for billboards, tarps, flooring and shrinking, the TRIAC AT is an all-purpose tool for any application:



➔ Accessories pages 16 / 17 / 18

TRIAC BT: Versatile and safe.

The TRIAC BT fulfills all of the functionality and design requirements necessary for successful plastic welding. It is the optimal tool for indoor use. The TRIAC BT, constructed from high-quality material, weighs in at just one kilogram making it the lightest tool in its class.

Hot air tool

TRIAC BT Push-Fit



- Optimal for indoor use
- Lightweight and easy to handle
- Ergonomic handle for strain-free welding
- Electronically protected heating element
- Integrated universal nozzle
- Built-in start-up protection in the event of power interruption

Technical Data

Voltage	V~	230
Power	W	1600
Temperature	°C	20 – 700
Size (L x Ø)	mm	330 x 90, handle Ø 56
Weight	kg	1.0 (without 2 m cord)
Conformity Marking	CE	
Approval Mark	S	
Certification Scheme	CCA, CB	
Protection Class II	□	

Article No.:

- 145.035 TRIAC BT Push-Fit, 230 V / 1600 W, with Euro plug
- 145.036 TRIAC BT Push-Fit, 120 V / 1600 W, with US plug
- 145.037 TRIAC BT Push-Fit, 230 V / 1600 W, with CN plug
- 145.038 TRIAC BT Push-Fit, 230 V / 1600 W, with AUS plug

Included with purchase: TRIAC BT, storage case

Hot air tool

TRIAC BT tarpaulin welding kit



Included with purchase.

Technical Data

Voltage	V~	230
Power	W	1600
Temperature	°C	20 – 700
Size (L x Ø)	mm	370 x 90, handle Ø 56
Weight	kg	1.0 (without 2 m cord)
Conformity Marking	CE	
Approval Mark	S	
Certification Scheme	CCA, CB	
Protection Class II	□	

Article No.:

- 136.937 TRIAC BT 230 V / 1600 W tarpaulin kit 20 mm with Euro plug
- 136.938 TRIAC BT 230 V / 1600 W tarpaulin kit 40 mm with Euro plug

Included with purchase: Spare heating element, 40 mm pressure roller, storage case

➔ Accessories pages 16 / 17 / 18

➔ Accessories page 19



Easy handling for precise welding in plastic fabrication...



...and billboards.

Hot air tool

TRIAC BT plastic fabrication kit



Included with purchase.

Technical Data

Voltage	V~	230
Power	W	1600
Temperature	°C	20 – 700
Size (L x Ø)	mm	370 x 90, handle Ø 56
Weight	kg	1.0 (without 2 m cord)
Conformity Marking	CE	
Approval Mark	E	
Certification Scheme	CCA, CB	
Protection Class II	□	

Article No.:

136.939 TRIAC BT 230 V / 1600 W plastic welding kit with Euro plug

Included with purchase: TRIAC BT, spare heating element, tacking nozzle, 5.7 mm profile A speed welding nozzle, storage case

Hot air tool

TRIAC BT floor welding kit



Included with purchase.

Technical Data

Voltage	V~	230
Power	W	1600
Temperature	°C	20 – 700
Size (L x Ø)	mm	370 x 90, handle Ø 56
Weight	kg	1.0 (without 2 m cord)
Conformity Marking	CE	
Approval Mark	E	
Certification Scheme	CCA, CB	
Protection Class II	□	

Article No.:

136.936 TRIAC BT 230 V / 1600 W floor welding kit with Euro plug

Included with purchase: TRIAC BT, spare heating element, 5 mm speed welding nozzle and speed welding nozzle with small air-slide (for PUR materials), storage case

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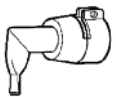

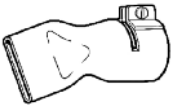



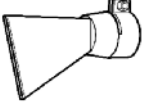

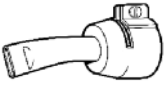
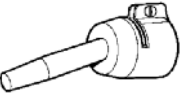
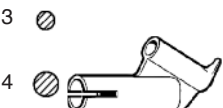
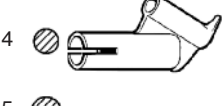

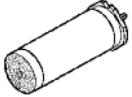
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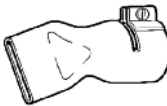



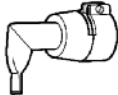


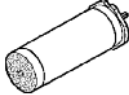
TRIAC S while overlap welding on the roof..

Accessories TRIAC S / TRIAC AT / TRIAC BT Push-Fit

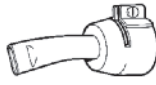


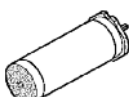
Roofing

	107.124 20 mm angled nozzle, 90° push-fit
	107.125 20 mm angled nozzle, 60° push-fit
	107.132 Wide slot nozzle, push-fit, 40 mm
	107.130 40 mm, 60° angle
	107.133 40 mm, perforated
	128.535 30 mm, 45° angle
	107.129 60 mm wide slot nozzle for bitumen, push-fit
	107.131 80 mm wide slot nozzle, push-fit
	107.123 20 mm wide slot nozzle, push-fit
	100.303 Ø 5 mm tubular nozzle, push-fit
	106.989 3 mm speed weld nozzle, push-fit on Ø 5 mm tubular nozzle
	106.990 4 mm speed weld nozzle, push-fit on Ø 5 mm tubular nozzle
	106.991 5 mm speed weld nozzle, push-fit on Ø 5 mm tubular nozzle
	230 V / 1550 W heating element for 100.689 TRIAC S 142.637 TRIAC AT 136.916 TRIAC BT Push-Fit

Billboards / Tarpaulins

	107.123 20 mm wide slot nozzle, angled, push-fit
	105.487 20 mm wide slot nozzle, bent and angled, push-fit
	107.132 Wide slot nozzle, push-fit 40 mm
	107.130 40 mm, 60° angle
	107.133 40 mm, perforated
	128.535 30 mm, 45° angle
	107.124 20 mm angled nozzle, 90°, push-fit
	107.125 20 mm angled nozzle, 60°, push-fit
	105.492 20 mm wide slot nozzle, straight jaw, 120° bent at right angle
	230 V / 1550 W heating element for 100.689 TRIAC S 142.637 TRIAC AT 136.916 TRIAC BT Push-Fit

Civil Engineering / Tunnel / Landfills sites

	107.123 20 mm wide slot nozzle, push-fit
	107.132 40 mm wide slot nozzle, push-fit
	107.135 40 mm wide slot nozzle, push-fit PTFE-coated, push-fit
	230 V / 1550 W heating element for 100.689 TRIAC S 142.637 TRIAC AT 136.916 TRIAC BT Push-Fit










TRIAN S in use welding a future a storage reservoir.











TRIAN AT shrinking a cable connection.

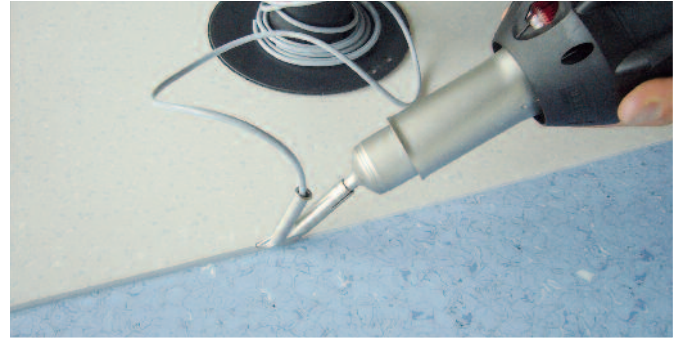
Accessories TRIAC S / TRIAC AT / TRIAC BT Push-Fit

Plastic fabrication (with push-fit nozzle)

	100.303 Ø 5 mm, tubular nozzle for versions with push-fit
	105.578 Extra strength version
	Speed weld nozzle, push-fit on Ø 5 mm tubular nozzle
	106.992 5.7 mm, profile A
	106.993 7 mm, profile B
	106.989 3 mm
	106.990 4 mm
	106.991 5 mm
	106.996 Tacking nozzle, push-fit on Ø 5 mm tubular nozzle
	107.348 Tool rest
	107.344 135 mm (5.31 in) welding mirror, push-fit
	230 V / 1550 W heating element for
	100.689 TRIAC S
	142.637 TRIAC AT
	136.916 TRIAC BT Push-Fit
	143.833 Nozzle adapter for screw-on nozzles

Plastic fabrication (with screw-on nozzle)

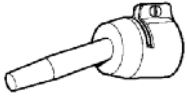







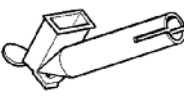
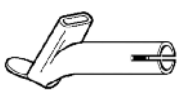
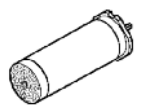
	105.622 Ø 5 mm tubular nozzle, screw-on
	106.988 Tacking nozzle, screw-on
	113.666 Ø 3 mm drawing nozzle
	113.399 Ø 4 mm drawing nozzle with tacking tip, screw-on
	113.876 Ø 3 mm drawing nozzle
	113.874 Ø 4 mm drawing nozzle without tacking tip, screw-on
	113.670 5.7 mm drawing nozzle triangular-shaped, with tacking tip, screw-on
	113.877 5.7 mm, profile A, triangular-shaped drawing nozzle without tacking tip, screw-on
	106.986 7 mm, profile B
	106.987 7 x 5.5 mm
	126.552 Ø 4 mm drawing nozzle, screw-on for fluoroplastics
	230 V / 1550 W heating element for
	100.689 TRIAC S
	142.637 TRIAC AT
	136.916 TRIAC BT Push-Fit



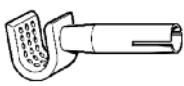
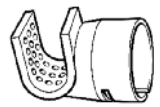
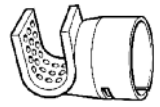
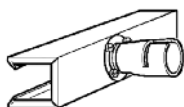

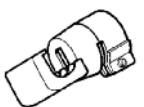


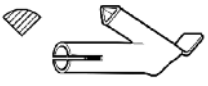
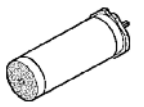
Well balanced design for precise welding of floor coverings.

Accessories TRIAC S / TRIAC AT / TRIAC BT Push-Fit

Flooring / interior design

	100.303 Ø 5 mm, tubular nozzle for versions with push-fit nozzles
	106.982 Ø 5 mm extension nozzle, 150 mm
3 	106.989 3 mm speed weld nozzle push-fit on Ø 5 mm tubular nozzle
4 	106.990 4 mm speed weld nozzle push-fit on Ø 5 mm tubular nozzle
5 	106.991 5 mm speed weld nozzle push-fit on Ø 5 mm tubular nozzle
3 	105.431 3 mm speed weld nozzle, with small air-slide, push-fit on Ø 5 mm tubular nozzle
4 	105.432 4 mm speed weld nozzle, with small air-slide, push-fit on Ø 5 mm tubular nozzle
5 	105.433 5 mm speed weld nozzle, with small air-slide, push-fit on Ø 5 mm tubular nozzle
	107.139 4.5 x 12 mm speed weld nozzle for fillet weld, push-fit on Ø 5 mm tubular nozzle
	107.137 8 mm speed weld nozzle for tape welding, push-fit on Ø 5 mm tubular nozzle
	230 V / 1550 W heating element for 100.689 TRIAC S 142.637 TRIAC AT 136.916 TRIAC BT Push-Fit

Shrinking / soldering / vehicle repairs

	107.324 12 x 10 mm sieve reflector, push-fit on Ø 5 mm tubular nozzle
	107.337 50 x 35 mm sieve reflector, push-fit
	107.338 35 x 20 mm sieve reflector, push-fit
	107.326 25 x 150 mm shell reflector, push-fit
	107.307 27 x 35 mm spoon reflector, push-fit
	107.339 17 x 34 mm soldering reflector, push-fit
	106.996 Tacking nozzle, push-fit on Ø 5 mm tubular nozzle
	106.997 Ø 6 mm rotary burr (for drilling machine)
	106.992 5.7 mm speed weld nozzle, push-fit on Ø 5 mm tubular nozzle
	230 V / 1550 W heating element for 100.689 TRIAC S 142.637 TRIAC AT 136.916 TRIAC BT Push-Fit

Additional versions available upon request.
Technical data are subject to change without prior notice.









Working fatigue-free on truck a tarp with the TRIAC BT.










Draw welding on a plastic fabrication application with the TRIAC BT.

Accessories TRIAC BT kits

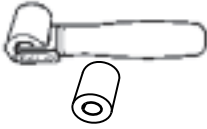

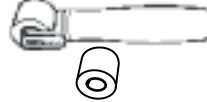

Plastic fabrication

	106.996	Tacking nozzle, push fit
3 	106.989	3 mm speed welding nozzle, push-fit
4 	106.990	4 mm speed welding nozzle, push-fit
5 	106.991	5 mm speed welding nozzle, push-fit
	106.992	5.7 mm, A profile speed welding nozzle, push-fit
	106.993	7 mm, B profile speed welding nozzle, push-fit






Flooring

	107.139	4.5 x 12 mm speed welding nozzle, push-fit
3 	106.989	3 mm speed welding nozzle, push-fit
4 	106.990	4 mm speed welding nozzle, push-fit
5 	106.991	5 mm speed welding nozzle, push-fit
3 	105.431	3 mm speed welding nozzle, with small air-slide, push-fit
4 	105.432	4 mm speed welding nozzle, with small air-slide, push-fit
5 	105.433	5 mm speed welding nozzle, with small air-slide, push-fit

Billboards and tarpaulins

	140.160	40 mm ball pressure roller with bearings (silicone)
	140.599	5 spare rolls
	140.161	28 mm ball pressure roller with bearings (silicone)
	140.598	5 spare rolls

General accessories

	136.916	230 V / 1550 W heating element for
	116.586	Storage case
	137.855	Leister cutter with four spare blades
	138.902	10 x 10 hook-shaped spare blades
	138.539	10 x 10 trapezoid-shaped spare blades

Additional versions available upon request.
Technical data are subject to change without prior notice.

HOT JET S: Small and powerful.

As the most compact Hot air tool from Leister, the HOT JET S' low weight of 600 grams (including cord and slim handle) ensures high-powered, fatigue-free welding.



Especially suited to facilitate tasks in difficult to access areas.

Hot air tool

HOT JET S



- The smallest Leister Hot air tool
- Stepless, electronically controlled temperature
- Stepless, electronically controlled air flow
- Low noise
- Flexible, integrated tool stand

Technical Data

Voltage	V~	230
Power	W	460
Temperature	°C	20 – 600
Pressure static	Pa	max. 1600 (16 mbar)
Size (L x Ø)	mm	235 x 70, handle Ø 40
Weight	kg	0.4 (without 3 m cord)
Conformity Marking		CE
Approval Mark		Ⓢ
Certification Scheme		CCA
Protection Class II		Ⓜ

Artikel-No.:

100.648	HOT JET S 230 V / 460 W with Euro plug
112.229	HOT JET S 230 V / 460 W with UK plug (black)
100.854	HOT JET S 230 V / 460 W with AUS plug
100.861	HOT JET S 120 V / 460 W with USA plug

Accessories HOT JET S










	107.141	15 mm wide slot nozzle , push-fit
	107.142	20 mm wide slot nozzle , push-fit
	107.144	Ø 5 mm tubular nozzle, push-fit
	105.567	Ø 5 x 150 mm extension nozzle, straight
	105.556	20 mm angled nozzle, 90° angled, push-fit
	106.996	Tacking nozzle, push-fit on Ø 5 mm tubular nozzle
	106.989	3 mm speed welding nozzle, push-fit on Ø 5 mm tubular nozzle
	106.990	4 mm speed welding nozzle, push-fit on Ø 5 mm tubular nozzle
	106.991	5 mm speed welding nozzle, push-fit on Ø 5 mm tubular nozzle
	106.992	5.7 mm, A profile speed welding nozzle, push-fit
	106.993	7 mm, B profile speed welding nozzle, push-fit
	105.431	3 mm speed welding nozzle, with small air-slide, push-fit on Ø 5 mm tubular nozzle
	105.432	4 mm speed welding nozzle, with small air-slide, push-fit on Ø 5 mm tubular nozzle
	105.433	5 mm speed welding nozzle, with small air-slide, push-fit on Ø 5 mm tubular nozzle






HOT JET S with angled nozzle welding a T-joint on the roof.



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

	107.137 8 mm speed welding nozzle for tape welding, push-fit on Ø 5 mm tubular nozzle
	107.139 4.5 x 12 mm speed welding nozzle for fillet weld, push-fit on Ø 5 mm tubular nozzle
	107.324 12 x 10 mm sieve reflector, push-fit on Ø 5 mm tubular nozzle
	107.146 Ø 2 mm soldering nozzle
	107.151 Ø 4 mm soldering nozzle
	107.148 Ø 3 x 1.5 mm soldering nozzle, oval
	107.310 35 x 20 mm sieve reflector, push-fit
	107.311 50 x 35 mm sieve reflector, push-fit
	107.312 25 x 30 mm spoon reflector, push-fit

	107.305 15 x 25 mm ironing nozzle
	100.818 230 V / 435 W heating element
	143.831 Nozzle adapter for screw-on nozzles

Small and handy: The HOT JET S is perfect when welding complicated details in billboard and tarpaulin applications.



GHIBLI: The “hot air gun“.

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



The GHIBLI forming electrical cables.

Hot air tool

GHIBLI



- Universal tool for welding and shrinking
- Welding results independent of voltage fluctuations and ambient temperature
- Two-step selectable airflow

Technical Data

Voltage	V~	230
Power	W	2000
Temperature	°C	20 – 600
Pressure static	Pa	Step 2: 1500 (15 mbar) Step 3: 2100 (21 mbar)
Size (L × W × H)	mm	195 × 85 × 160, handle Ø 57
Weight	kg	0.9 (without 3 m cord)
Conformity Marking		CE
Approval Mark		Ⓢ
Certification Scheme		CCA
Protection Class II		Ⓜ

Article No.:

- 101.881 GHIBLI 230V / 2000W with Euro plug
101.887 GHIBLI 120V / 1500W with US plug

Additional versions available upon request.

Accessories GHIBLI

	106.998	20 mm wide slot nozzle 20 mm, push-fit
	106.999	40 mm wide slot nozzle
	107.154	Ø 5 mm tubular nozzle, push-fit
	107.006	Ø 5 x 130 mm extension nozzle, straight
	107.308	50 × 35 mm sieve reflector, push-fit
	107.309	35 × 20 mm sieve reflector, push-fit
	107.313	25 × 30 mm spoon reflector, push-fit
	107.325	17 × 34 mm soldering reflector, push-fit
	107.319	Ø 65 mm sieve reflector
	107.315	70 × 12 mm folding reflector, push-fit
	107.007	De-horning nozzle
	107.345	135 mm welding mirror, PTFE-coated
	115.513	230 V / 1800 W heating element

SONORA S1: Handy and gentle.

The handy, quiet and compact tool for universal use. The SONORA S1 is the perfect hot air tool for shrinking, vehicle labeling, forming and heating. Excellent price / performance ratio.



Ergonomic design for strain-free car wrapping.

Hot air tool

SONORA S1



- Lightweight and compact
- High stability in head-handle position for long term use
- Balanced ergonomics with soft grip
- Very quiet tool, ideal for indoor use
- Constant temperature and closed-loop controlled electronics

Technical Data





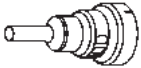

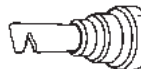


Voltage	V	230
Power	W	2000
Temperature	°C	80 – 650
Size	mm	230 x 200
Weight	kg	0.6 (without 2 m cord)
Conformity Marking		CE
Approval Mark		Ⓢ
Certification Scheme		CCA
Protection Class II		□

Article No.:

140.996 SONORA S1, 230 V / 2000 W with Euro plug

Additional versions available upon request.

Accessories SONORA S1

	119.269	Glass protection nozzle
	119.270	50 mm wide slot nozzle
	119.314	Reducer nozzle (included with S1 purchase)
	119.271	Reflector nozzle (included with S1 purchase)
	119.316	5 mm tubular nozzle
	119.315	20 mm wide slot nozzle
	119.312	Solder sleeve reflector nozzle (included with S1 purchase)
	107.324	12 x 10 mm sieve reflector
	107.308	50 x 35 mm sieve reflector

Included with purchase



ELECTRON: Compact and powerful.

The versatile power tool. Due to its wide range of accessories, the ELECTRON is the tool on every specialists' wishlist.



Welding of bitumen sheeting using the powerful ELECTRON with a wide slot nozzle.

Hot air tool

ELECTRON



- Powerful
- Compact
- Robust
- Construction site approved

Technical Data








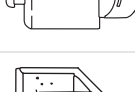



Voltage	V~	120 / 230 / 400
Power	W	2700 / 3400 / 5500
Temperature	°C	20 – 650
Pressure static	Pa	3000 (30 mbar)
Size (L x Ø)	mm	320 x 95, handle Ø 64
Weight	kg	1.3 (without 3 m cord)
Conformity Marking		CE
Approval Mark		Ⓢ
Certification Scheme		CCA
Protection Class II		Ⓜ

Article No.:

107.781	ELECTRON 230 V / 3400 W with Euro plug
107.788	ELECTRON 400 V / 5500 W, with 16A CEE plug
110.889	ELECTRON 120 V / 2700 W with 32A UK plug
116.055	ELECTRON 230 V / 3400 W with scraper nozzle, with Euro plug

Additional versions available upon request.

Accessories ELECTRON









	107.258	70 x 10 mm wide slot nozzle, push-fit, for bitumen
	107.134	40 x 2 mm wide slot nozzle, push-fit, for bitumen
	107.266	75 x 2 mm wide slot nozzle, push-fit, with tool stand (article 116.753)
	116.753	Tool stand
	107.270	150 x 12 mm wide slot nozzle, push fit
	107.229	20 mm round nozzle
	107.331	70 x 70 mm folding reflector, push-fit
	107.327	85 x 85 mm sieve reflector, push-fit
	107.333	150 x 130 mm sieve reflector, push-fit
	107.340	45 x 250 mm shell reflector, push-fit
	107.328	60 x 75 mm folding reflector, push-fit



Accelerating the drying process of varnish, paint and body filler using the ELECTRON.



ELECTRON with scraping nozzle. Scrape color without solvents!

	106.127	Ø 65 mm sieve reflector
	107.330	125 x 22 mm folding reflector, push-fit
	116.054	Scraper nozzle, (only use in combination with heater tube, article no. 116.053)
	105.961	45 x 12 x 350 mm wide slot nozzle (for foundries)
	107.347	74 x 12 x 520 mm sword-shaped nozzle, rounded edges, PTFE-coated
	107.346	270 mm welding mirror, push-fit
	107.348	Tool rest
	113.269	230 V / 3400 W heating element
	101.273	400 V / 5500 W heating element

FORTE S: Flameless shrinking.

The most powerful hot air tool from Leister. The FORTE S3 is extremely well-suited for flameless shrinking of pallets and bulk goods.



Flameless shrink-wrapping of pallets and bulky goods with the FORTE S3.

Hot air tool

FORTE S3



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

Technical Data

Voltage	V~	3x 230	3x 400
Power	kW	10	10
Temperature	°C	650	
Pressure static	Pa	1200 (12 mbar)	
Size (L x W x H)	mm	390 x 132 x 215	
Weight	kg	4.4 (without 10 m cord)	
Conformity Marking		CE	
Approval Mark		Ⓢ	
Certification Scheme		CCA	
Protection Class II		Ⓜ	

Article No.:

102.027 FORTE S3, 3x 400 V / 10 kW with 16A CEE plug

102.030 FORTE S3, 3x 230 V / 10 kW with 16A CEE plug

Additional versions available upon request.

HOTWIND: The new dimension.

Weighing just 3.0 kg, the HOTWIND can be used either as an integrated or bench-top device. The high maximum temperature of up to 800 °C means that the HOTWIND can be used in a variety of ways.



The HOTWIND S is perfectly suited for drying and firing of color on plastic components.

Hot air blowers

HOTWIND PREMIUM



- Ideal for warming, heating, forming and drying
- Stepless adjustment of the heating and blower
- Integrated device and heating element protection
- Extremely smooth running

Technical Data

Voltage	V~	230
Power	W	3700
Max. exhaust temperature	°C	650
Pressure static	Pa	1000
Size (L × W × H)	mm	332 × 106 × 179
Weight	kg	2.2 (without 3 m cord)
Conformity Marking		CE
Approval Mark		Ⓢ
Certification Scheme		CCA
Protection Class II		Ⓜ

Article No.:

142.609 HOTWIND PREMIUM, 230 V / 3700 W, with Euro plug

Additional versions available upon request.

Accessories HOTWIND PREMIUM

		Wide slot nozzle, push-fit (a × b)
	107.261	70 × 4 mm
	107.260	85 × 15 mm
	107.259	150 × 12 mm
	105.977	200 × 9 mm
	107.263	250 × 12 mm
	107.262	300 × 4 mm
	105.992	400 × 4 mm
	105.991	500 × 4 mm
	125.317	Flange connector, push-fit a = 90 mm
	107.335	∅ 150 mm sieve reflector, push-fit
	107.248	Stainless steel filter, push-fit on air intake
	102.362	230 V / 3600 W heating element

LABOR S: Small and handy.

The fatigue-free LABOR S is a „jack of all trades“. It can be used to weld even difficult to access locations perfectly.



LABOR S, used in combination with MINOR as an external air supply.

Hot air tool

LABOR S



- Temperature adjustment via rotary knob
- Very small and handy device
- Ideal for draw welding and tacking
- Air supply with ROBUST blower, MINOR or with compressed air
- Ideal for mobile use when coupled with MINOR blower

Technical Data

Voltage	V~	230 / 120
Power	W	600 / 800 / 900
Temperature	°C	20 – 600
Size (L x Ø)	mm	180 x 54, handle Ø 40
Weight	kg	0.15 (without air hose and without cord)
Conformity Marking		CE
Approval Mark		③
Certification Scheme		CCA
Protection Class II		□

Article No.:

- 101.716 LABOR S with connection box, 230 V / 800 W with Euro plug, air hose 3 m
 101.723 LABOR S with junction box, 120 V / 600 W, 3 m PVC-hose, without plug
 101.754 LABOR with MINOR blower, 230 V / 900 W with EURO plug, air hose 1.5 m

Additional versions available upon request.

Accessories LABOR S

	107.144 Ø 5 mm tubular nozzle, push-fit
	Speed weld nozzle, push-fit on Ø 5 mm tubular nozzle 106.992 5.7 mm, profile A 106.993 7 mm, profile B
	106.989 3 mm 106.990 4 mm 106.991 5 mm
	106.996 Tacking nozzle, push-fit on Ø 5 mm tubular nozzle
	101.581 230 V / 800 W heating element
	101.643 120 V / 600 W heating element

WELDING PEN: Slim and flexible.

The WELDING PEN is a hot air tool optimized for draw welding. Due to its slim design and the external air supply, by a swiveling air hose, work becomes nearly fatigue-free.



Draw welding using the compact and lightweight WELDING PEN R.

Hot air tool

WELDING PEN R / WELDING PEN S



- Used in combination with ROBUST blower or compressed air
- Digital temperature display (WELDING PEN R)
- Swiveling air hose connection
- Cooled heating element tube

Technical Data		
Voltage	V~	230 / 120
Power	W	1000 / 600
Temperature	°C	20 – 600
Size (L x Ø)	mm	270 x 43, handle Ø 32
Weight	kg	1.0 (with 3 m cord / air hose and Y-connection)
Conformity Marking	CE	
Approval Mark	Ⓢ	
Certification Scheme	CCA	
Protection Class II	□	

Article No.:

- 114.380 WELDING PEN R, 230 V / 1000 W, screw-on, with Euro plug
- 119.966 WELDING PEN R, 120 V / 600 W, screw-on, with UK plug
- 113.081 WELDING PEN S, 230 V / 1000 W, screw-on, with Euro plug
- 114.275 WELDING PEN S, 120 V / 600 W, screw-on, with UK plug

Additional versions available upon request.

Accessories WELDING PEN R / S

	105.622	Ø 5 mm tubular nozzle, push-fit
	106.988	Tacking nozzle, screw-on
	113.666 113.399	Ø 3 mm round drawing nozzle, Ø 4 mm round drawing nozzle, with tacking tip, screw-on
	113.876 113.874	Ø 3 mm round drawing nozzle, Ø 4 mm round drawing nozzle, without tacking tip, screw-on
	113.670	5.7 mm triangular drawing nozzle with tacking tip, screw-on
	113.877	Triangular drawing nozzle, without tacking tip, screw-on 5.7 mm, profile A
	106.986	7 mm, profile B
	106.987	7 x 5.5 mm
	126.552	Ø 4 mm drawing nozzle, screw-on for floor plastics
	127.726 127.727	Angular adapter for screw-on nozzles, screw-on 30° 45°
	113.412	230 V / 1000 W heating element for WELDING PEN R and WELDING PEN S
	113.597	120 V / 600 W heating element for WELDING PEN R and WELDING PEN S



Swiveling air hose for easy working.

DIODE: The power couple.

There are two options for high-quality work: The closed-loop DIODE PID provides the perfect welding temperature at all times. The DIODE S easily puts you in control with a manual temperature knob.



Convenient wire welding using the powerful and lightweight DIODE PID.

Hot air tool

DIODE PID / DIODE S



- Operated with a ROBUST blower or with compressed air
- Digitally controlled and displayed temperatures (DIODE PID)
- Cooled heating element tube
- Suitable for field applications when used in combination with a MINOR blower

Technical Data

Voltage	V~	230 / 120
Power	W	1600
Temperature	°C	20 – 600
Min. air flow (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)
Conformity Marking		CE
Approval Mark		Ⓢ
Certification Scheme		CCA
Protection Class II		Ⓜ







Article No.:

101.303	DIODE PID, 230 V / 1600 W, push-fit, with Euro plug
101.304	DIODE PID, 230 V / 1600 W, screw-on, with Euro plug
101.313	DIODE PID, 120 V / 1600 W, for push-fit nozzles, with UK plug yellow
101.281	DIODE S, 230 V / 1600 W, push-fit, with Euro plug
101.282	DIODE S, 230 V / 1600 W, screw-on, with Euro plug
101.293	DIODE S, 120 V / 1600 W, for push-fit nozzles, with UK plug yellow







Additional versions available upon request.

Accessories DIODE PID / DIODE S

With push-fit nozzle

	100.303	Ø 5 mm tubular nozzle, for versions with nozzles, push-fit
	106.992 106.993 106.989 106.990 106.991	Speed welding nozzle, push-fit on Ø 5 mm tubular nozzle 5.7 mm, profile A 7 mm, profile B 3 mm 4 mm 5 mm
	106.996	Tacking nozzle, push-fit on Ø 5 mm tubular nozzle
	143.833	Nozzle adapter for screw-on nozzles
	107.348	Tool rest
	100.296 100.689	230 V / 1550 W heating element for DIODE PID for DIODE S

With screw-on nozzle

	105.622	Ø 5 mm tubular nozzle, screw-on
	106.988	Tacking nozzle, screw-on
	113.666 113.399 113.876 113.874	Ø 3 mm round drawing nozzle, with tacking tip, screw-on Ø 4 mm round drawing nozzle, with tacking tip, screw-on Ø 3 mm round drawing nozzle, without tacking tip, screw-on Ø 4 mm round drawing nozzle, without tacking tip, screw-on
	113.670 113.877 106.986	5.7 mm triangular drawing nozzle, with tacking tip, screw-on, Triangular drawing nozzle, without tacking tip, screw-on 5.7 mm, profile A 7 mm, profile B
	106.987	7 x 5.5 mm
	126.552	4 mm drawing nozzle, screw-on, for floor plastics

MINOR: The mobile air supplier.

Don't be deceived by the MINOR's small size and low weight. This blower delivers sufficient air to enable quality work with the DIODE PID / DIODE S or LABOR S.



The MINOR blower as an air supply for the DIODE PID.

Blower

MINOR



- Lightweight and compact
- Powerful
- Serves as a mobile air supply for the DIODE PID / DIODE S and LABOR S
- Suitable for work on construction sites

Technical Data

Voltage	V~	230
Power	W	100
Air flow (20°C)	l/min	400
Pressure static	Pa	4000 (40 mbar)
Air outlet (external)	mm	14.5
Size (L x Ø)	mm	250 x 95, handle Ø 64
Weight	kg	1.15 (with 3 m cord)
Conformity Marking	CE	
Approval Mark	S	
Certification Scheme	CCA	
Protection Class II	□	

Article No.:

- 108.747 MINOR, 230 V / 100 W, with Euro plug
109.988 MINOR, 120 V / 100 W, with UK plug yellow

Additional versions available upon request.



MINOR blower and DIODE PID with screw-on drawing nozzle.

ROBUST: The powerhouse.

Versatile and operable at high ambient temperatures of up to 60 °C. Despite its small size, the ROBUST is a real powerhouse. This blower can simultaneously supply air to up to three hot air tools.



ROBUST blower, serving as the external air supply for the WELDING PEN.

Blower

ROBUST



- High-performance, compact design
- Sound-suppression
- Can be integrated at any position
- Can be used as an external air supply to one WELDING PEN R / WELDING PENS S or up to three DIODE PID / DIODE S or LABOR S (with 107.281 hose adapter)



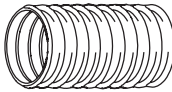

Technical data

Frequency	Hz	50	60
Power	W	250	250
Air flow (20 °C)	l/min	1200	1300
Static pressure	kPa	8.0	10.5
Max. ambient temperature	°C	60	60
Max. air inlet temperature	°C	60	60
Noise emission level	dB(A)	62	62
Environmental protection (IEC 60529)		IP 54	IP 54
Outside diameter air inlet	∅ mm	38	38
Outside diameter air outlet	∅ mm	38	38
Weight	kg	8.0	8.0
Conformity Marking		CE	CE
Protection Classe I		⊕	⊕

Article No.:

Voltage V~	50Hz	1 × 120	1 × 230	3 × 230 / 400
	60Hz			3 × 440 – 480
Without cord	Order no.	103.434		103.429
3 m cord / Euro plug	Order no.		103.432	

Accessories ROBUST

	107.354	Stainless steel filter, push-fit on air intake
	107.281	∅ 38 mm hose connection adapter, 3 output each 14 mm
	113.859	∅ 14 mm air hose
	101.031	∅ 14 mm hose clip for air hose



28 mm pressure roller.

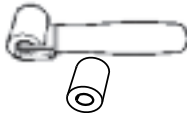

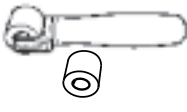


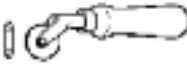
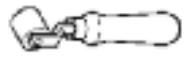
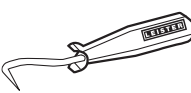



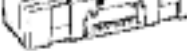
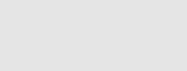
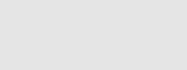


The hand pressure roller is an essential accessory for tunnel applications.


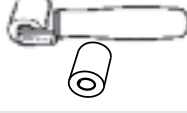

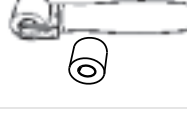






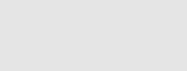
Hot air tools

General accessories

Roofing

	140.160	40 mm silicone pressure roller with ball bearings
	140.599	5 spare rolls
	140.161	Pressure roller 28 mm, with ball bearings (silicone)
	140.598	5 spare rolls
	106.974	80 mm silicone pressure roller
	106.972	Brass pressure roller with ball bearings
	106.976	28 mm pressure roller (PTFE)
	138.314	Seam probe tester
	111.346	Chamfer plane with seven spare blades
	111.348	Spare blades kit containing ten blades
	137.855	Leister cutter with four spare blades
	138.902	10 x 10 spare blades hook-shaped
	138.539	10 x 10 spare blades trapezoid-shaped
	116.586	Storage case, for TRIAC AT, TRIAC BT, TRIAC S

Billboards / Tarpaulins

	106.974	80 mm silicone pressure roller
	140.160	40 mm silicone pressure roller with ball bearings
	140.599	5 spare rolls
	140.161	28 mm silicone pressure roller with ball bearings
	140.598	5 spare rolls
	106.981	Pressure roller for custom seal
	137.855	Leister cutter with four spare blades
	138.902	10 x 10 spare blades hook-shaped
	138.539	10 x 10 spare blades trapezoid-shaped
	116.586	Storage case, for TRIAC AT, TRIAC BT, TRIAC S
	116.798	Brass brush



Store all your necessities in the practical storage case.

Hot air tools

General accessories

Flooring / Interior Decoration

	106.972	Pressure roller, with ball bearings (brass)
	106.974	80 mm silicone pressure roller
	140.160	40 mm silicone pressure roller with ball bearings
	140.599	5 spare rolls
	140.161	28 mm silicone pressure roller with ball bearings
	140.598	5 spare rolls
	106.976	28 mm pressure roller (PTFE)
	106.969	Spatula
	122.541	Trimming guide, to use with spatula (106.969)
	106.966	Hand grooving tool
	106.968	Spare blades for hand grooving tool
	137.855	Leister cutter with four spare blades
	138.902	10 x 10 spare blades hook-shaped
	138.539	10 x 10 spare blades trapezoid-shaped
	116.586	Storage case, for TRIAC AT, TRIAC BT, TRIAC S

Plastic Fabrication

	107.348	Tool rest for TRIAC AT, TRIAC BT, TRIAC S, ELECTRON
	137.855	Leister cutter with four spare blades
	138.902	10 x 10 spare blades hook-shaped
	138.539	10 x 10 spare blades trapezoid-shaped
	116.586	Storage case, for TRIAC AT, TRIAC BT, TRIAC S

Civil Engineering / Tunnel / Landfills

	140.160	40 mm silicone pressure roller with ball bearings
	140.599	5 spare rolls
	140.161	28 mm silicone pressure roller with ball bearings
	140.598	5 spare rolls
	106.976	28 mm pressure roller (PTFE)
	137.855	Leister cutter with four spare blades
	138.902	10 x 10 spare blades hook-shaped
	138.539	10 x 10 spare blades trapezoid-shaped
	116.586	Storage case, for TRIAC AT, TRIAC BT, TRIAC S



Welding rods

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

Profile sizes

	Profil A Diameters in mm
	Profil B

Article		packaging units (kg)
Welding accessories div.		
104.297	PA welding rod, profile A, black	3
104.298	PC welding rod, profile A, transparent	3
104.313	PC welding rod / ABS / ALPHA (Honda), profile A, black	3
104.311	PC welding rod / PBTP (Xenoy), profile A, grey	3
104.309	PS welding rod, profile A, white	3
104.308	PUR welding rod, profile A, black	3
106.654	Xenoy welding band, 8x 2 mm, grey	2
106.642	PPs welding rod, profile A, grey, flame resistant	3
104.304	PVDF welding rod, profile A, natural	3
104.303	POM welding rod, profile A, natural	3
Test bundles		
107.036	Test bundle bodywork welding rods, each consisting of profile A pieces of 37 mm single marked 6x HDPE, 6x PP, 6x PA, 6x PC, 6x ABS, 6x PCABS / ALPHA Honda, 6x PC / PBTP / Xenoy	
107.037	Test bundles standard each consisting of profile A pieces of 37 mm single marked 5x PVC-U, 5x PVC-P, 5x PP, 5x ABS, 5x HDPE, 3x PC, 3x PA, 3x POM, 3x LDPE, 3x PC / ABS / ALPHA Honda, 3x PC / PBTP / Xenoy	
107.040	Test bundle welding band each consisting of profile A pieces of 37 mm single marked 9x HDPE, 8x 2 mm white, 9x PP, 8x 2 mm natural, 9x ABS, 8x 2 mm white, 9x PC / PBTP / Xenoy grey	





Roofing

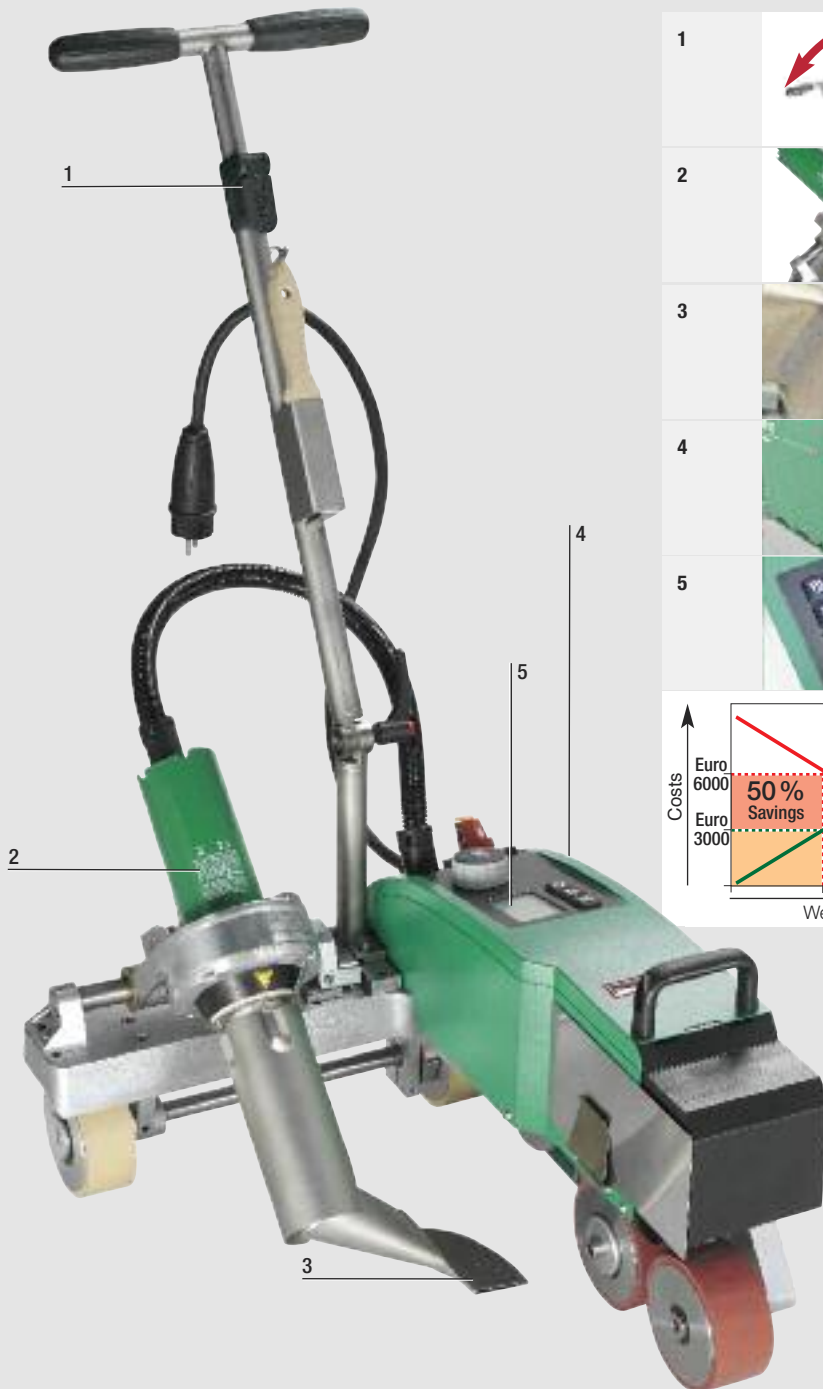
VARIMAT V2	38 / 39
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TRIAC DRIVE PID / guiding help	41
X 84	42
BITUMAT B2	43
COMET SUB-ROOF	44
Roofing welders overview	45
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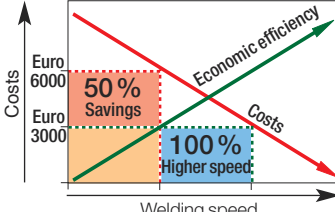
VARIMAT V2: Fast and dependable.

Using the new VARIMAT V2, polymer roofing membranes can be welded more rapidly resulting in lower cost. Users appreciate its streamlined ergonomics and its ease of use. The clearly laid out operating unit's "e-drive" allows for the control of all relevant welding parameters.

Hot air welder

VARIMAT V2



1		Ergonomic: Height and angle of guide-bar can be adjusted easily.
2		Maintenance-free: High performance brushless blower motor, no brushes to change.
3		High tech: New welding nozzle with protected design for reliable welding quality.
4		High speed: New gear design allows speeds of up to 12 m/min.
5		Intuitive: Protected design. Easy-to-view display with "e-drive" and easy-to-store welding settings.
		High potential savings: Lower costs thanks to higher welding speed (cost calculations based on 20 000 m ² at 5 m/min).
		Other welders: 2.5 m/min. VARIMAT V2: 5.0 m/min.



Due to its slim line design, welding is possible even in close to edge spaces.



The reliable partner for overlap welding.

Hot air welder

VARIMAT V2



- 12 m/min maximum welding speed (depending on material)
- Guide bar minimizes back strain
- No brushes to replace means lower service costs
- User-friendly display with "e-Drive" (press and turn control) to recall preset and saved welding settings

Technical Data






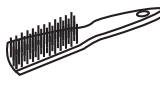
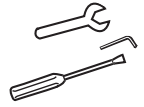
Voltage	V~	230	400
Power	W	4600	5700
Temperature	°C	20 – 620	
Speed	m/min	0.7 – 12	
Air flow range	%	50 – 100	
Width of welding nozzle	mm	40	
Size (L × W × H)	mm	640 × 430 × 330	
Weight	kg	35	
Conformity Marking		CE	
Approval mark		Ⓢ	
Certification scheme		CCA	
Protection class I		Ⓢ	

Article No.:

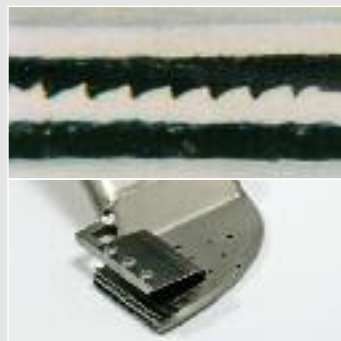
- 138.108 VARIMAT V2, 230 V / 4600 W, Euro plug
 137.821 VARIMAT V2, 400 V / 5700 W, 16 A CCE plug

Additional versions available upon request.

Accessories VARIMAT V2

	113.995 30 mm grip-nozzle 113.600 40 mm grip-nozzle
	107.067 Additional weight for even more pressure
	107.612 Heating element 230 V / 4400 W 107.613 400 V / 5500 W
	139.048 720 × 470 × 450 mm sturdy storage case multi-layer plate, green *
	132.429 2 welding plates for optimum welding start *
	138.817 Steel brush to clean nozzle *
	110.714 Maintenance set with size 5 screw-driver, size 2 and 8 pin wrenches and open-ended wrench size 17

* Included with purchase



For TPO sheets the patented grip nozzle eliminates need for chemical pre-cleaning. (accessory)

UNIROOF E: Small and strong.

The UNIROOF E is particularly suitable for edges, hard-to-reach areas and smaller roofs. The ideal addition to the VARIMAT V2.



The UNIROOF E climbs up even steep sloping roofs.

Hot air welder

UNIROOF E



- Easy to carry thanks to its light weight (only 13 kg)
- Can be used anywhere with 10A / 230 V power supply
- Up to 30° incline
- A lot of power in a small package

Technical Data







Current	A	10
Voltage	V~	230
Power	W	2300
Temperature	°C	20 – 600
Speed	m/min	1 – 5
Width of welding nozzle	mm	30
Dimensions (L x W x H)	mm	420 x 270 x 210
Weight	kg	12.8 (with cord)
Conformity Marking	CE	
Approval mark	S	
Certification scheme	CCA	
Protection class I	⊕	

Article No.:

134.447 UNIROOF E, 230 V / 2300 W, 30 mm, Euro plug

Additional versions available upon request.

Accessories UNIROOF E

	125.685	30 mm grip nozzle, for roughening and welding of TPO single plies
	107.067	Additional weight for even more pressure
	115.057	Lifting device for simple moving to the next weld seam
	103.604	230 V / 2100 W heating element
	126.448	Storage case (included with purchase)
	122.022	Guide-bar, complete, adjustable



The storage case offers optimal protection. (included with purchase)

TRIAC Drive PID: The handy one.

This tried and tested semi-automatic welding machine can be used in most applications. The increased welding speed compared with manual welding gives rise to higher productivity.



The TRIAC DRIVE PID allows even horizontal welding.

Semi automatic welding machine

TRIAC DRIVE PID



- Faster and more efficient than hand welding
- Small and compact
- Steplessly adjustable speed for high quality welding
- Can be used in the most confined spaces

Technical Data







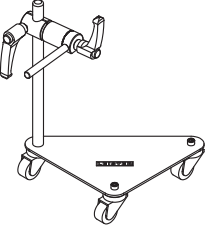

Voltage	V~	230
Power	W	1700
Temperature	°C	20 – 600
Speed	m/min	0.5 – 3
Width of welding nozzle	mm	40 / 30
Dimensions (L x W x H)	mm	300 x 230 x 380
Weight	kg	4.15 (with 3 m cord, without guide aid)
Conformity Marking		CE
Approval mark		§
Certification scheme		CCA
Protection class I		⊕

Article No.:

- 115.985 TRIAC DRIVE PID without guiding help, 230 V / 1700 W, outside, *without* grip, width of welding nozzle 40 mm, Euro plug
- 138.860 TRIAC DRIVE PID with guiding help, 230 V / 1700 W, inside, *without* grip, width of welding nozzle 30 mm, Euro plug

Additional versions available upon request.

Accessories TRIAC DRIVE PID

	115.274 12 mm pressure roller, steel 115.176 30 mm pressure roller, steel 115.712 40 mm pressure roller, steel
	138.570 12 mm pressure roller, silicon 115.857 30 mm pressure roller, silicon 115.921 40 mm pressure roller, silicon
	115.276 Single supporting carrier
	115.281 38 mm, <i>with</i> grip 115.279 30 mm, <i>with</i> grip 115.703 38 mm, <i>without</i> grip 115.701 30 mm, <i>without</i> grip
	115.280 38 mm, <i>with</i> grip 115.278 30 mm, <i>with</i> grip 115.702 38 mm, <i>without</i> grip 115.700 30 mm, <i>without</i> grip
	100.296 230 V / 1550 W heating element for TRIAC PID
	138.549 Guiding help for TRIAC DRIVE PID, for easy horizontal welding, e.g. for parapets: Included with purchase: - two 12 mm pressure rollers, silicone, - one 30 mm pressure roller, silicone, - one 30 mm overlap welding nozzle, inside, <i>without</i> grip
	108.985 Storage case (included with purchase)

X 84: Lightweight and agile.

Weighing just 6.1 kilograms, the X84 is recommended for highpitched roofs; with its powerful drive, the X84 overcomes every slope with constant speed and welding quality.



The X84 is easy to operate and produces precise results.

Hot air welder

X 84



- Small, light and compact
- Suitable for uneven surfaces
- Constant welding pressure
- Controlled welding speed

Technical Data




Voltage	V~	230
Power	W	2300
Temperature	°C	20 – 600
Speed	m/min	0.5 – 3.5
Welding pressure	N	250
Pressure static	Pa	Level 2: 1500 (15 mbar) Level 3: 2100 (21 mbar)
Width of welding nozzle	mm	30
Dimensions (L x W x H)	mm	300 x 310 x 250
Weight	kg	6.1 (with 3 m cord)
Conformity Marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		Ⓜ

Article No.:

107.484 X 84 with guide-bar, 230 V / 2300 W, with CH plug

Additional versions available upon request.

Accessories X 84

	129.224	Guide-bar, complete, adjustable
	103.678	230 V / 2100 W heating element
	126.448	Storage case (included with purchase)



The X 84 is the ideal machine when it comes to welding sub-roof membranes.

BITUMAT B2: The flameless.

Welding of modified bitumen sheeting (SBS, APP) with the flameless BITUMAT B2 is much safer than welding with an open flame. The weld strength is significantly better and the welding process is more economical.



Easy unit guidance and clean working with the BITUMAT B2.

Hot air welder

BITUMAT B2



- Flameless welding of modified bitumen
- No shrinking of the insulation due to integrated air dam
- Uniform welding results
- High working speed
- Requires only one user to efficiently weld seams (torch welding requires two)

Technical Data

Voltage	V~	230	400
Power	W	6700	6700
Temperature	°C	20 – 650	
Speed	m/min	0.8 – 12	
Air flow range	%	85 – 100	
Welding nozzle width	mm	75 / 100	
Dimensions (L x W x H)	mm	690 x 490 x 330	
Weight	kg	40 (with cord)	
Conformity Marking		CE	
Approval mark		S	
Certification scheme		CCA	
Protection class I		⊕	

Article No.:

- 140.438 BITUMAT B2, 400 V / 6700 W, 75 mm, 16 A CEE plug
- 140.437 BITUMAT B2, 400 V / 6700 W, 100 mm, 16 A CEE plug
- 140.436 BITUMAT B2, 230 V / 6700 W, 75 mm, 32 A CEE plug
- 138.386 BITUMAT B2, 230 V / 6700 W, 100 mm, 32 A CEE plug

Additional versions available upon request.

Accessories BITUMAT B2

	138.048	75 mm bitumen nozzle
	138.047	100 mm bitumen nozzle
	137.895	100 mm pressure roller with gap
	137.896	75 mm pressure roller with gap
	140.229	100 mm pressure roller <i>without gap</i>
	140.228	75 mm pressure roller <i>without gap</i>
	140.476	Lifting device
	140.489	750 x 555 x 450 mm sturdy storage case, (included with purchase)
	126.594	Heating elements, 400 V / 6500 W
	126.386	230 V / 6500 W

Considerably better welding results when compared with open flame tools. No shrinking of insulation because of air dam belt.



COMET: Perfectly pre-fabricated.

The COMET works smoke-free and quietly. Thanks to the built-in guide system, the width of the weld zone is uniform – resulting in flamelessly welded edges. It is especially suitable for pre-fabrication of sub-roof membranes.



Hands-free welding due to integrated guiding plates.

Hot-wedge welder

COMET SUB-ROOF



- Smoke-free, low-noise welding using hot-wedge technology
- Digital temperature and speed display
- Integrated guiding plates
- No non-welded edge zones
- Ideal for indoor applications

Technical Data



Voltage	V~	230
Power	W	700
Temperature	°C	20 – 420
Speed	m/min	0.8 – 6
Pressure static	N	100 – 500
Material thickness	mm	Up to 0.8 mm
USB-memory-stick		Optional
Dimensions (L x W x H)	mm	355 x 250 x 245
Weight	kg	7.7 (with 3 m cable)
Conformity Marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓛ

Article No.:

138.276 COMET SUB-ROOF, 230 V / 700 W, for sub-roof membranes, without fitting welding carriage, Euro plug

Additional versions available upon request.

Accessories COMET SUB-ROOF

	129.224	Guide-bar, complete, adjustable
	110.694	Fitting welding carriage

The fitting welding carriage transfers the drive to the sub-roof membrane located below. This enables friction-free, high-quality welding. The fitting welding carriage is especially suitable for thin, homogenous material. Welding with a guide rail is also possible for the pre-fabricator.



The COMET SUB-ROOF is ideal for pre-fabricators.



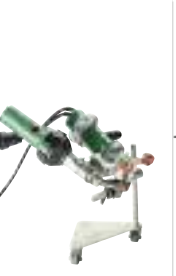





VARIMAT V2: The perfect welder for large areas.



Flameless modified bitumen welding with the BITUMAT B2.

Overview Roofing Welders

						
Materials	Plastic single plies					Modified bitumen
Type of welding machine	VARIMAT V2	UNIROOF E	TRIAC DRIVE PID with guiding help	X84	COMET SUB-ROOF	BITUMAT B2
Main application	Large areas over 600 Yards ²	Small areas, parapets under 600 Yards ²	Details, pitched roofs	For sub-roof membranes	For pre-fabricators	Large areas
Roof construction						
Flat roof	✓✓✓	✓✓✓	✓✓✓	✓		✓✓✓
Sloping roof	✓	✓✓	✓✓	✓✓✓	✓✓	✓
Basic weld seams	✓✓✓	✓	✓	✓✓✓	✓✓✓	✓✓✓
Detail work	✓	✓✓✓	✓✓✓	✓	✓	✓
Special features	Operation with »e-Drive«	Up to 30° incline	Horizontal welding	Constant joining pressure	Indoor applications	No open flame
Fastening						
Mechanically fastened, hard substrate	X	X	X			X
Loosely laid, soft substrate				X	X	
Parapet spacing in mm	110	190 **	40	135	220	200
Electronics						
Controlled (close loop system)	X	X	X (blower)	X	X	
Controlled (open loop)			X (drive)			X
Speed m/min.						
Drive	0.7–12	1–5	0.5–3	0.5–3.5	0.8–6	0.8–12
Welding (depending on material)	4–8	2–3	1.5–3	1.5–2.5	3–6	3–6
Weight kg	35	12.8	4	6	7.7	40
Welding technology	Hot air*	Hot air	Hot air	Hot air	Hot-wedge	Hot air

✓✓✓ = Highly suitable, ✓✓ = Suitable, ✓ = Limited suitability

* Brushless blower ** No gap necessary for laminated sheets

EXAMO USB: The inspector.

Is the welding seam sealed and can it withstand the specified peeling, tensile and shearing forces? EXAMO performs tests at the construction site – quick, reliable and uncomplicated.



Testing a weld seam with the EXAMO USB.

Testing instrument

EXAMO USB



- Handy, robust and reliable
- Testing of elongation, peak force, tear force, test speed and position
- Construction-site approved

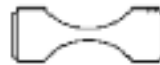
Technical Data

Type		300F	600F
Voltage	V~	230	230
Power	W	200	200
Tensile load	N	4000	4000
Jaw spacing	mm	5 – 300	5 – 600
Range	mm	300	600
Test speed	mm/min	10 – 300	10 – 300
Sample thickness	mm	max. 7	max. 7
Sample width	mm	max. 40 (60 optional)	max. 40 (60 optional)
Size (L x W x H)	mm	750 x 270 x 190 (storage case)	1050 x 270 x 190 (storage case)
Weight	kg	14	17.5
Conformity Marking		CE	CE
Approval Mark		Ⓢ	Ⓢ
Protection Class I		Ⓢ	Ⓢ

Article No.:

- 139.059 EXAMO 300F USB, 230 V / 200 W, incl. USB memory stick, Euro plug
 139.060 EXAMO 600F USB, 230 V / 200 W, incl. USB memory stick, Euro plug

Accessory EXAMO USB



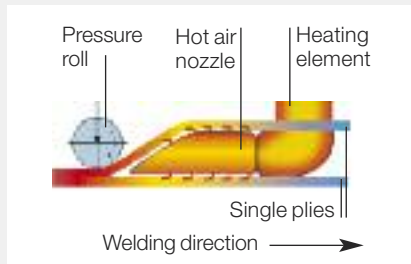
- 134.832** Testing and calibration kit
 To test and calibrate your EXAMO USB



The memory stick ensures a verifiable evaluation of the welding results with the EXAMO USB.

Welding technologies Roofing welders

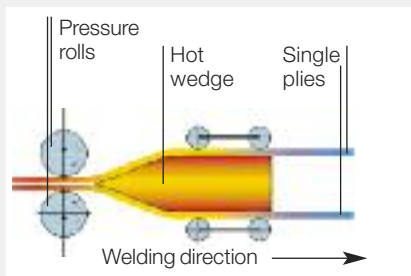
Hot air welding



Heating by hot air

- VARIMAT V2
- UNIROOF E
- TRIAC DRIVE PID
- X 84
- BITUMAT B2





Hotwedge welding



Heating by electrically heated wedge

- COMET SUB-ROOF

Hot air tools for Roofing

	TRIAC S	11
	Accessories	16 / 17 / 18
	TRIAC AT	12 / 13
	Accessories	16 / 17 / 18
	HOT JET S	20
	Accessories	20 / 21
	ELECTRON	24
	Accessories	24 / 25
General Roofing accessories		33



The VARIMAT V2 is perfectly protected and can easily be moved into and out of its sturdy storage case.





Billboards / Tarpaulins

VARIANT T1	51
UNIPLAN E / UNIPLAN S	52
UNIPLAN WEDGE	53
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VARIANT T1: Compact, fast and reliable.

The sturdy VARIANT T1 is distinguished by its outstanding top speed of up to 18 meters per minute. Combined with a slim, compact design, it allows a perfect view into the weld seam from all sides. Numerous new features of the VARIANT T1 have been made to facilitate smooth and ergonomic handling for daily use.

Hot air welder

VARIANT T1



1		Economical: Up to 18 m/min welding speed and powerful, maintenance-free hot air blower.
2		Easy handling: Smooth lifting device and sturdy transport rollers for precise positioning.
3		Reliable: Constant, wrinkle-free welds thanks to process-optimised nozzle.
4		Compact design: The unmistakable Leister design guarantees a perfect view into the weld seam from all sides.
5		Exceptional: Electronics protected against the effects of unwanted high-frequency signals.
6		Mobile: Joint axis to compensate for slightly uneven floors.
7		Very easy operation: Simple operation using the proven Leister »e-Drive« operating concept.
8		Ergonomic: Adjustable guide bar to prevent back strain.
9		Simple guidance: Sturdy carrying and guide handles for ergonomically to guide and transport the device.
10		Clever details: Non-torsion cable fastening with spring clips on the guide rod or housing.
11		Hem / piping welding kit: Welding hems, hem pockets and piping in short time with easy-to-use accessories.



Constant, wrinkle-free overlap welds.



Very easy hem and piping welds with the hem / piping welding kit.

Hot air welder

VARIANT T1



- Top welding speed up to 18 m/min
- Perfect view into the weld seam
- Sturdy and durable for professional use
- Smooth lifting device for precise positioning
- Simple operation thanks to Leister »e-Drive« operating concept

Technical data

Voltage	V~	230 / 400 (2LNPE)
Power	W	3680 / 5700
Temperature	°C	100 – 620
Speed	m/min	1.5 – 18
Air flow range	%	40 – 100
Weld seam width	mm	20 or 40
Dimensions (L x B x H)	mm	420 x 270 x 190
Weight	kg	22 (without 1.5 m cord)
Conformity Marking		CE
Protection class I		⊕

Article No.:

141.891	VARIANT T1, 230 V / 3680 W, 40 mm nozzle, with Euro plug
141.892	VARIANT T1, 230 V / 3680 W, 20 mm nozzle, with Euro plug
141.893	VARIANT T1, 400 V / 5700 W, 40 mm nozzle, with CEE plug (3LNPE)
141.894	VARIANT T1, 400 V / 5700 W, 20 mm nozzle, with CEE plug (3LNPE)

Additional versions available upon request.

Accessories VARIANT T1

	142.650	Hem / piping welding kit complete, comprising: 142.221 hold-down device 141.326 piping roll 140.530 Hem / piping add-on part
	140.530	Hem / piping add-on part
	142.221	Hold-down device
	141.326	Piping roll
	139.438	Additional weight 3 kg
	137.843	Upper part of T-handle guide bar
	116.798	Brass brush
	140.771	Overlap welding nozzle 20 mm
	141.558	Overlap welding nozzle 40 mm
	140.429	25 mm overlap pressure roller complete
	138.938	45 mm overlap pressure roller complete
	107.612 107.613	Heating element 230 V / 4400 W 400 V / 5500 W
	142.705	Sturdy storage case

UNIPLAN: Just perfect.

The small, lightweight and handy hot air welder produces perfect welding results. UNIPLAN E is electronically controlled for reproducible results.



The handy partner for precise welding: UNIPLAN E.

Hot air welder

UNIPLAN E / UNIPLAN S



fig.: UNIPLAN E

- Small, lightweight and handy
- High welding speed
- Reproducible welding results (UNIPLAN E)
- Handy, robust case included in delivery
- Digital display (UNIPLAN E)

Technical Data










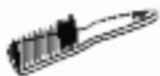
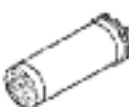
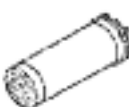

Voltage	V~	230
Power	W	2300
Temperature	°C	20 – 620
Speed	m/min	1.0 – 7.5
Air flow range	%	50 – 100 (for UNIPLAN E steplessly)
Welding seam width	mm	20 or 30
Size (L x W x H)	mm	420 x 270 x 210
Weight	kg	11.5 (with 3 m cord)
Conformity Marking	CE	
Approval mark	S	
Certification scheme	CCA	
Protection class I	⊕	

Article No.:

- 114.221 UNIPLAN E 20 mm, 230 V / 2300 W, with Euro plug
- 114.318 UNIPLAN E 30 mm, 230 V / 2300 W, with Euro plug
- 115.049 UNIPLAN S 20 mm, 230 V / 2300 W, with Euro plug
- 115.050 UNIPLAN S 30 mm, 230 V / 2300 W, with Euro plug

Additional versions available upon request.

Accessories UNIPLAN E / UNIPLAN S

	115.065	20 mm overlap welding unit
	115.066	30 mm overlap welding unit
	115.067	Weight with holder
	115.839	Handle with holder and screws
	119.933	20 mm hem welding kit
	119.934	30 mm hem welding kit
	122.013	Hem cord welding kit with lifting (for units built prior to 2004)
	122.016	Hem cord welding kit without lifting (for units built from 2004 on)
	122.022	Guide bar complete
	116.798	Brass brush to clean nozzle
	103.604	230 V / 2100 W heating element, for UNIPLAN E
	101.910	230 V / 2100 W heating element, for UNIPLAN S
	126.448	Sturdy storage case (included with purchase)

UNIPLAN Wedge: The quiet.

The quiet UNIPLAN WEDGE is the perfect machine for all critical materials. The innovative laser guide guarantees flawless welding.



For accurately fitting weld seams of billboards.







Wedge welder

UNIPLAN WEDGE



- Low noise
- High welding speed
- Portable and lightweight
- Easy, comfortable operation
- Digital display of welding speed and temperature

Accessories UNIPLAN WEDGE

	127.992	20 mm hot wedge
	127.989	30 mm hot wedge
	116.506	Laser guide (included with purchase)
	116.231	De-reeler for acrylic tape
	116.798	Brass brush to clean nozzle
	126.448	Storage case (included with purchase)

Billboards / Tarpaulins

Technical Data

Voltage	V~	230
Power	W	900
Temperature	°C	20 – 420
Speed	m/min	1.0 – 7.5
Welding seam width	mm	20 or 30
Size (L x W x H)	mm	420 x 270 x 210
Weight	kg	11.5 (with 3 m cord)
Conformity Marking	CE	
Approval mark	S	
Certification scheme	CCA	
Protection class I	⊕	

Article No.:

- 116.972 UNIPLAN Wedge, 20 mm, Laserguide, 230 V / 900 W, with Euro plug
 116.975 UNIPLAN Wedge, 30 mm, Laserguide, 230 V / 900 W, with Euro plug

Additional versions available upon request.

TAPEMAT: The power pack.

For rapid economical strip welding of truck covers and industrial curtains. Very fast strip welder at up to 20 meters per minute.



Welding tape at maximum speed.

Hot air welder

TAPEMAT



- High welding speed
- Process-optimized nozzle
- Maintenance-free, brushless blower
- Intuitive operation and simple handling




Technical Data

Voltage	V~	3 x 400
Power	kW	10
Temperature	°C	ca. 700
Maximal speed	m/min	20
Welding seam width	mm	50
Size (L x W x H)	mm	555 x 435 x 370
Weight	kg	40
Conformity Marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓛ

Article No.:

129.757 TAPEMAT 50 mm, 400V / 10 kW, with 16A CEE plug

Accessories TAPEMAT

	138.242	Lifting device
	131.690	50 mm welding nozzle
	101.991	3 x 400V / 3 x 3300W heating element

TAPEMAT SPRIEGEL: The sprinter.

With a speed of up to 20 meters per minute, the TAPEMAT SPRIEGEL is ideal for the fast and economical welding of tarpaulin bows for trucks.



Tarpaulin bows for fixed and sliding rooftops of trucks. (picture: Krone)

Hot air welder

TAPEMAT SPRIEGEL



- Top welding speed
- Process-optimized high-precision nozzle
- Maintenance-free, brushless blower
- Easy to exchange counter-pressure roller
- Constant tarpaulin bow tension





Technical Data

Voltage	V~	3 x 400
Power	kW	10
Temperature	°C	ca. 700
Maximal speed	m/min	20
Welding seam width	mm	50
Size (L x W x H)	mm	555 x 435 x 370
Weight	kg	40
Conformity Marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓛ

Article No.:

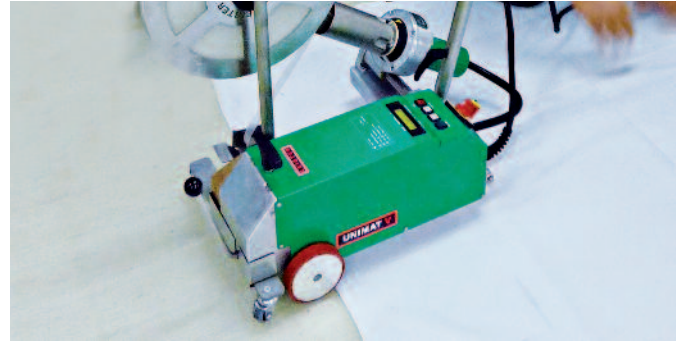
- 138.229 TAPEMAT Spriegel 100 mm, 400V / 10 kW, with 16A CEE plug
 133.597 TAPEMAT Spriegel 125 mm, 400V / 10 kW, with 16A CEE plug

Accessories TAPEMAT SPRIEGEL

	138.242	Lifting device
	137.412	100 mm welding nozzle, complete
	135.392	125 mm welding nozzle, complete
	101.991	3 x 400V / 3 x 3300W heating element

UNIMAT V TAPE: The proven tape solution.

The UNIMAT V TAPE features an integrated lifting mechanism and automatic start to simplify your daily routine.



Optimized for 40 mm and 50 mm tape.

Hot air welder

UNIMAT V TAPE



- High welding speed
- Digital display of set and actual values of welding speed, temperature and air flow
- No corrective action required thanks to the new guide roller
- Automatic start
- Integrated lifting mechanism

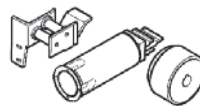

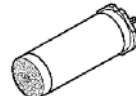
Technical Data

Voltage	V~	230
Power	W	3680
Temperature	°C	20 – 620
Speed	m/min	1.5 – 12
Air flow range	%	50 – 100 (steplessly)
Welding seam / tape width	mm	40 or 50
Size (L x W x H)	mm	600 x 415 x 310
Weight	kg	28.0 (with 5 m cord)
Conformity Marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓛ








Article No.:

- 119.097 UNIMAT V TAPE 40 mm, 230 V / 3680 W, with Euro plug
 119.096 UNIMAT V TAPE 50 mm, 230 V / 3680 W, with Euro plug

Accessories UNIMAT V TAPE

	115.192	50 mm to 40 mm conversion kit, to weld 40 mm tape
	115.193	50 mm to 40 mm conversion kit, to weld 40 mm tape
	114.418	230 V / 2 x 1800 W heating element

Hot air tools for Billboards / Tarpaulins

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The state-of-the-art VARIANT T1. (pages 50 / 51)





Civil Engineering / Tunneling / Landfills

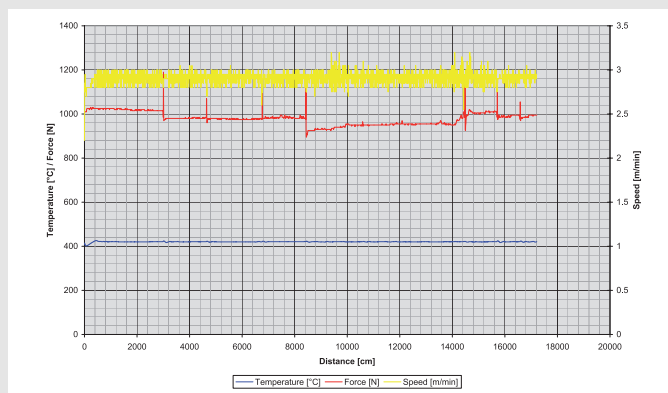
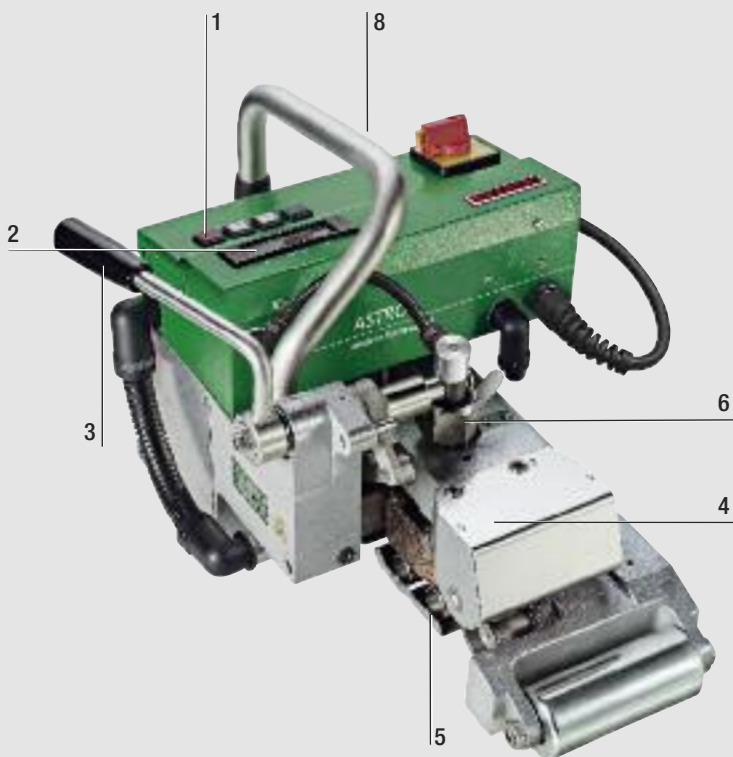
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ASTRO / ASTRO USB: The thoroughbred.

The ASTRO and ASTRO USB weld up to five meters per minute when used anywhere all over the world. Its robust design and easy handling make it the perfect work horse. The ASTRO USB allows for the consistent recording of all relevant welding parameters.

Wedge welder ASTRO USB



Graphical evaluation of a weld seam (length 170 m).

1		Simple operation All functions can be accessed and controlled by just a few buttons.
2		Display Allows the user to control and monitor all the parameters at any given time!
3		One-handle operation Simultaneous operation of clamping lever and hot wedge.
4		Pendulum head Perfect pressure distribution of both welding tracks.
5		Hot wedge Sufficient capacity reserve and optimal welding speed due to high capacity cartridge type heaters.
6		Pressure sensor Precise pressure sensor for optimal process control.
7		Acoustic alarm Safe workspace with limit value monitoring.
8		USB memory system Easily record a permanent archive of all 1400 relevant welding parameters.
9		Handy storage case Convenient transport – perfect protection. (Included with purchase)



Fast and perfect!



Special version for concrete protective liners.

Wedge welder

ASTRO



Wedge welder

ASTRO USB



- High welding capacity
- Digital display of temperature, velocity and mains voltage
- Stepless adjustment of welding pressure
- Closed-loop control of temperature and drive

- Digital display of pressure
- Acoustic alarm if limit value is exceeded
- Complete record of all relevant welding parameters
- USB memory system

Technical Data

Voltage	V~	230
Power	W	1800
Temperature	°C	20 – 420
Speed	m/min	0.8 – 5.0
Welding pressure	N	100 – 1500
Weld seam width	mm	2 x 15
Material thickness	mm	1.5 – 3.0
Size (L x W x H)	mm	430 x 270 x 310
Weight	kg	23.0 (with 3 m cable)
Conformity Marking	CE	
Approval mark	S	
Certification scheme	CCA	
Protection class I	⊕	

Article No.:

117.100 ASTRO, 230V / 1800W, roller 50 mm, with test channel, overlap 42 mm, with Euro plug, sturdy storage case

Technical Data

Voltage	V~	230
Power	W	1800
Temperature	°C	20 – 420
Speed	m/min	0.8 – 5.0
Welding pressure	N	100 – 1500
Weld seam width	mm	2 x 15
Material thickness	mm	1.5 – 3.0
Size (L x W x H)	mm	430 x 270 x 310
Weight	kg	23.0 (with 3 m cable)
Conformity Marking	CE	
Approval mark	S	
Certification scheme	CCA	
Protection class I	⊕	

Article No.:

141.126 ASTRO USB, 230V / 1800W, roller 50 mm, with test channel, with Euro plug, sturdy storage case

COMET / COMET USB: The highflyers.

This compact heavy-duty welding machine is in use worldwide. The small powerhouse is specially designed for the demands of landfills sites, mines and tunnels. Documentation made simple: COMET USB's memory system is designed for use on construction sites. Because this compact hot wedge welding machine records all relevant welding parameters, data transfer is mere child's play.

Wedge welder

COMET



- Lightweight and compact
- Digital display of temperature and velocity
- Closed loop control of temperature and drive
- Easy and user friendly

Technical Data

Voltage	V~	230 / 120
Power	W	1500 / 1200
Temperature	°C	20 – 420
Speed	m/min	0.8 – 3.2
Welding pressure	N	100 – 1000
Weld seam width	mm	2 x 15, with test channel
Material thickness	mm	0.5 – 3
Size (L x B x H)	mm	295 x 250 x 245
Weight	kg	7.5 (with 3 m cable)
Conformity Marking	CE	
Approval mark	S	
Protection class I	⊕	

Article No.:

- 107.538 COMET, wedge 70 mm for PE, 230 V / 1500 W, test channel, Euro plug
- 107.547 COMET, wedge 50 mm for PE, 230 V / 1200 W, test channel, Euro plug
- 107.558 COMET, wedge 50 mm for PVC, 230 V / 1200 W, test channel, Euro plug
- 107.539 COMET, wedge 70 mm for PE, 120 V / 1500 W, test channel, yellow UK plug
- 107.553 COMET, wedge 50 mm for PE, 120 V / 1200 W, test channel, yellow UK plug

Additional versions available upon request.

Wedge welder

COMET USB



- Digital display of welding pressure
- Complete record of all relevant welding parameters.
- USB memory system designed for use on construction sites
- Convenient data transfer

Technical Data

Voltage	V~	230
Power	W	1500 / 1200
Temperature	°C	20 – 420
Speed	m/min	0.8 – 3.2
Welding pressure	N	100 – 1000
Weld seam width	mm	2 x 15, with test channel
Material thickness	mm	0.5 – 3
Size (L x B x H)	mm	295 x 250 x 245
Weight	kg	7.5 (with 3 m cable)
Conformity Marking	CE	
Approval mark	S	
Protection class I	⊕	

Article No.:

- 137.626 COMET USB, with wedge 50 mm for PE, 230 V / 1200 W, with test channel, Euro plug
- 138.088 COMET USB, with wedge 70 mm for PE, 230 V / 1500 W, with test channel, Euro plug


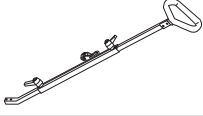




Comet operating in the tunnel ...



... or on a landfills site.

Accessories COMET / COMET USB

	112.974	Extremely light cross handle, material: aluminum
	129.224	Guide-bar, complete
	110.715	Tool set consist of hexagon spanner 8 / 10 / 13 / 17 mm and hexagon bolt 3 / 4 / 6 mm
	115.905	USB memory stick



Perfectly protected in the storage case.

126.448
(included with purchase)

Fields of application COMET / COMET USB

Power	1500 W		1200 W		700 W	
	Wedge length	Material thickness	Wedge length	Material thickness	Wedge length	Material thickness
PE-HD, PE-C, PP	70 mm copper	1.5 – 2.0 mm	50 mm copper	0.5 – 1.5 mm	20 mm steel	0.5 – 1.0 mm
PE-LD	70 mm copper	2.0 – 3.0 mm	50 mm copper	1.0 – 2.0 mm	20 mm steel	0.5 – 1.0 mm
PVC-P	70 mm steel	2.0 – 3.0 mm	50 mm steel	1.0 – 2.0 mm		

TWINNY T / TWINNY T USB: The little all-rounders.

The TWINNY T is excellent for welding PVC and other thin or soft membranes. It is available either with or without air-test channel. The TWINNY T USB, which makes data storage and display easy with a USB flash memory system, is perfect for critical applications where constant real-time monitoring of primary weld conditions can be stored and displayed.

Combiwedge welder

TWINNY T



- Simple operation
- High welding speed
- Digital display of temperature and velocity
- Closed-loop control of temperature and drive
- Perfect welding result even in harsh environmental conditions thanks to hot air system.

Technical Data

Voltage	V~	230 / 120
Power	W	2300 / 1900
Temperature	°C	20 – 560
Velocity	m/min	0.8 – 3.2
Welding pressure	N	100 – 1000
Size (L x W x H)	mm	340 x 360 x 245
Weight	kg	6.9 – 7.9 (with 3 m cable)
Conformity Marking	CE	
Approval mark	S	
Protection class I	⊕	

Article No.:

- 107.562 TWINNY T for civil engineering, 230 V / 2300 W, with test channel, with combiwedge long, with Euro plug
- 107.564 TWINNY T for civil engineering, 230 V / 2300 W, with test channel, with combiwedge short, with Euro plug
- 111.190 TWINNY T for tunnel construction, 230 V / 2300 W, with test channel, with combiwedge short, with Euro plug
- 115.761 TWINNY T for civil engineering, 230 V / 2300 W, without test channel, with combiwedge long, with Euro plug
- 113.362 TWINNY T for civil engineering, 120V / 1900W, roller 50 mm, with test channel, with short combi-wedge, with UK plug

Additional versions available upon request.

Combiwedge welder

TWINNY T USB



- Digital display of welding pressure
- Complete record of all relevant welding parameters.
- USB memory system
- Data transfer made simple

Technical Data

Voltage	V~	230
Power	W	2300
Temperature	°C	20 – 560
Velocity	m/min	0.8 – 3.2
Welding pressure	N	100 – 1000
Size (L x W x H)	mm	340 x 360 x 245
Weight	kg	6.9 – 7.9 (with 3 m cable)
Conformity Marking	CE	
Approval mark	S	
Protection class I	⊕	

Article No.:

- 138.089 TWINNY T USB for civil engineering, 230 V / 2300 W, with test channel, with combiwedge long, with Euro plug

Additional versions available upon request.

TWINNY S: The lightweight.

Lightweight version, optimized for overhead welding, is ideal for thin materials used in civil engineering and tunnel construction. Leister offers a choice between replaceable combiwedges with or without test channel.



TWINNY T, with convenient cross-handle, at work overhead welding in a tunnel.

Combiwedge welder

TWINNY S



- Simple operation
- Lightweight
- High welding speed
- Stepless adjustment of temperature and drive
- Perfect welding result even in harsh environmental conditions thanks to hot air system.

Technical Data









Voltage	V~	230 / 120
Power	W	2900 / 1900
Temperature	°C	20 – 600
Speed	m/min	
Gear 256:1		0.2 – 2.5
Gear 144:1		1.4 – 4 (6)
Welding pressure	N	1000
Size (L x W x H)	mm	350 x 390 x 270
Weight	kg	6.5 – 6.9 (with 3 m cable)
Conformity Marking		CE
Approval mark		CS
Certification scheme		CCA
Protection class II		□

Article No.:

119.031	TWINNY S for tunnel construction, drive 256:1, 230 V / 2900 W, with test channel, combiwedge long, Euro plug
119.030	TWINNY S for tunnel construction, drive 256:1, 230 V / 2900 W, with test channel, combiwedge short, Euro plug
119.027	TWINNY S for civil engineering, drive 256:1, 230 V / 2900 W, with test channel, combiwedge long, Euro plug
119.008	TWINNY S for civil engineering, drive 144:1, 230 V / 2900 W, with test channel, combiwedge short, Euro plug
128.808	TWINNY S for civil engineering, drive 144:1, 6 m/min, 230 V / 2900 W, with test channel, combiwedge short, Euro plug

Additional versions available upon request.



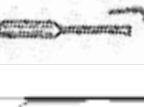
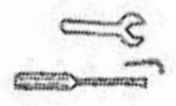


Accessories TWINNY T / T USB / S

	112.974	Cross handle extremely light, material: aluminum
	129.224	Guide-bar, complete
	100.517	50 mm combiwedge short, with test channel
	100.518	50 mm combiwedge short, without test channel
	100.519	30 mm combiwedge short, with test channel
	100.520	30 mm combiwedge short, without test channel
	100.525	50 mm combiwedge long, complete, with test channel
	100.526	50 mm combiwedge long, complete, without test channel, slotted, perforated

Accessories TWINNY T / T USB

	103.604	230 V / 2100 W heating element
	103.602	120 V / 1800 W heating element

Accessories TWINNY S

	101.905	230 V / 2750 W heating element
	101.910	230 V / 2100 W heating element
	101.913	120 V / 1800 W heating element
	110.715	Tool set consists of hexagon spanner 8 / 10 / 13 / 17 mm and hexagon bolt 3 / 4 / 6 mm
	115.905	USB memory stick
	126.448	Storage case (included with purchase)

TRIAC DRIVE: The climber.

This tried and tested semi-automatic welding machine can be used in most applications. The increased welding speed, compared with manual welding, gives rise to higher productivity.



Overhead welding made easy with the TRIAC DRIVE PID.

Semi automatic welding machine

TRIAC DRIVE PID



- Faster and additional efficiency than hand welding
- Small and compact
- Steplessly adjustable speed for high-quality welding
- Can be used in the most confined spaces

Technical Data







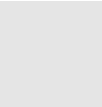
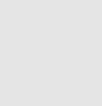
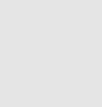


Voltage	V~	230
Power	W	1700
Temperature	°C	20 – 600
Speed	m/min	0.5 – 3
Width of welding nozzle	mm	40 / 30
Dimensions (L x W x H)	mm	300 x 230 x 380
Weight	kg	4.15 (with 3 m cable, without guide aid)
Conformity Marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓢ

Article No.:

- 115.985 TRIAC DRIVE PID without guiding help, 230 V / 1700 W, outside, without grip, width of welding nozzle 40 mm, Euro plug
- 138.860 TRIAC DRIVE PID with guiding help, 230 V / 1700 W, inside, without grip, width of welding nozzle 30 mm, Euro plug

Additional versions available upon request.

Accessories TRIAC DRIVE PID

	115.274	12 mm pressure roller, steel
	115.176	30 mm pressure roller, steel
	115.712	40 mm pressure roller, steel
	138.570	12 mm pressure roller, silicon
	115.857	30 mm pressure roller, silicon
	115.921	40 mm pressure roller, silicon
	115.276	Single supporting carrier
	115.281	Overlap welding nozzle, inside, push-fit
	115.279	38 mm, <i>with</i> grip
	115.703	30 mm, <i>with</i> grip
	115.701	38 mm, <i>without</i> grip
	115.701	30 mm, <i>without</i> grip
	115.280	Overlap welding nozzle, outside, push-fit
	115.278	38 mm, <i>with</i> grip
	115.702	30 mm, <i>with</i> grip
	115.700	38 mm, <i>without</i> grip
	115.700	30 mm, <i>without</i> grip
	100.296	230 V / 1550 W heating element for TRIAC PID
	108.985	Storage case (included with purchase)

EXAMO USB: The inspector.

Is the welding seam sealed and can it withstand the specified peeling, tensile and shearing forces? EXAMO performs tests at the construction site – quick, reliable and uncomplicated.



Seam tests can be conducted in the lab or on-site with the EXAMO USB.

Testing instrument

EXAMO USB



- Handy, robust and reliable
- Testing of elongation, peak force, tear force, test speed and position
- Construction-site approved
- With jaws also suitable for geo textiles (see accessories)

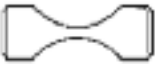

Technical Data

Type		300F	600F
Voltage	V~	230	230
Power	W	200	200
Tensile load	N	4000	4000
Jaw spacing	mm	5 – 300	5 – 600
Range	mm	300	600
Test speed	mm/min	10 – 300	10 – 300
Sample thickness	mm	max. 7	max. 7
Sample width	mm	max. 40 (60 optional)	max. 40 (60 optional)
Size (L x W x H)	mm	750 x 270 x 190 (case)	1050 x 270 x 190 (case)
Weight	kg	14	17.5
Conformity Marking		CE	CE
Approval Mark		Ⓢ	Ⓢ
Protection Class I		Ⓢ	Ⓢ

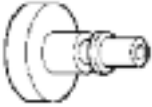
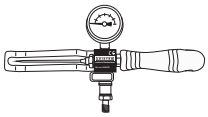

Article No.:

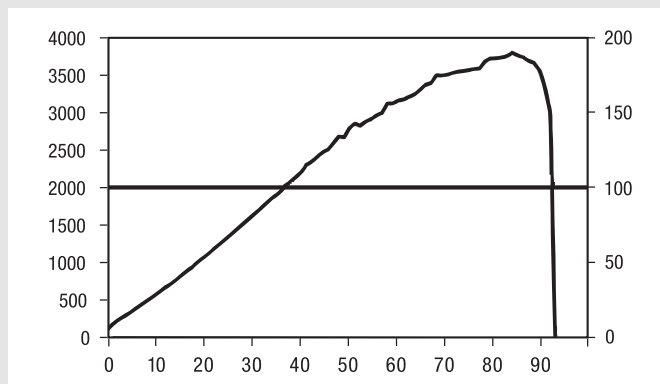
139.059 EXAMO 300F USB, 230 V / 200 W, incl. USB memory stick, Euro plug
139.060 EXAMO 600F USB, 230 V / 200 W, incl. USB memory stick, Euro plug

Accessories EXAMO USB

	134.832	Testing and calibration kit To test and calibrate your EXAMO USB
	113.005	Jaws for geo textiles left
	113.006	right

Testing devices

	106.950	Welding fitting PE
	142.475	Testing device with injector needle
	109.795	∅ 320 mm vacuum bell



Visualization of an EXAMO USB report.

WELDPLAST S6: The workhorse.

WELDPLAST S6 is the world's highest rated handheld extrusion welder. With an output of 6 kg/h, it is surprisingly maneuverable. It features a brushless, preheat motor, multifunction display and comfortable ergo-grip – making the S6 Leister's flagship extrusion welder.



WELDPLAST S6 undertaking assembly applications on a landfill site.

Digitally regulated extrusion welder

WELDPLAST S6



- 6 kg output per hour
- Highest possible preheating capacity
- Adjustable control wheel
- Maintenance-free hot air blower
- Multifunctional display

Technical Data

Voltage	V~	230
Power	W	4600
Material		PE / PP
Welding rod	mm	∅ 4 or ∅ 5
Output	kg/h	3.9 – 6.0
Size (L x W x H)	mm	821 x 116 x 240
Weight	kg	14
Conformity Marking		CE
Approval mark		Ⓢ
Protection class I		⊕

Article No.:

134.318 Hand extruder WELDPLAST S6, 230V / 5300W, CEE 32A plug

Included with purchase: WELDPLAST S6, overlap welding shoe, storage case

Accessories WELDPLAST S6

	119.217	Welding shoe complete
	119.222	50 x 40 x 38 mm blank welding shoe
	119.190	70 x 50 x 47.5 mm blank welding shoe
	135.901	35 mm overlap
	119.197	40 mm overlap
	119.198	20 mm V-seam and 35/40 mm X-seam
	119.199	25 mm V-seam
	119.164	30 mm V-seam
	119.165	20 mm fillet weld (a = 14 mm)
	119.166	25 mm fillet weld (a = 17.5 mm)
	144.905	30 mm fillet weld (a = 21 mm)
	145.705	45° angled adapter
	117.055	90° angled adapter
	136.859	35 mm preheating nozzle, large
	117.790	50 mm preheating nozzle, XL large
	134.567	Side hot air guide
	144.095	230 V / 2600 W heating element



Ultra strong storage case
Article-No.: 116.367
(included with purchase)

WELDPLAST S4: The workmate.

The WELDPLAST S4 is the first extrusion welder of its kind with brushless, maintenance-free motor for generating preheated air. Output of up to four kilograms per hour is made possible thanks to the S4's powerful drive system.



The powerful WELDPLAST S4 at work.

Digitally regulated extrusion welder

WELDPLAST S4



- Compact housing design reduces noise and guarantees optimal cooling for the electronics and drive.
- Microprocessor to regulate the welding process and to monitor the tool
- Menu with function programs
- Dual-sided twist-free wire intake
- Maintenance-free blower

Technical Data

Voltage	V~	230
Power	W	3680
Material		PE / PP
Welding rod	mm	∅ 3 or ∅ 4
Output	kg/h	1.5 – 4.0
Size (L × W × H)	mm	560 × 110 × 300
Weight	kg	8.7
Conformity Marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓢ

Article No.:

116.948 Hand extruder WELDPLAST S4, 230 V / 3680 W, with Euro plug

Included in delivery: WELDPLAST S4, blank welding shoe, preheating nozzle large, medium and small, storage case

Accessories WELDPLAST S6

	119.217 119.222	Welding shoe complete 50 × 40 × 38 mm blank welding shoe 70 × 50 × 47.5 mm blank welding shoe
	119.194 119.195 119.196 119.197 119.198	8 / 10 mm V-seam and 15 / 20 mm X-seam 12 mm V-seam and 25 mm X-seam 15 mm V-seam and 30 mm X-seam 20 mm V-seam and 35 / 40 mm X-seam 25 mm V-seam
	119.161 119.163 119.164 119.165	8 / 10 mm fillet weld (a = 7 mm) 15 mm fillet weld (a = 10.5 mm) 20 mm fillet weld (a = 14 mm) 25 mm fillet weld (a = 17.5 mm)
	119.190 135.901	35 mm overlap 40 mm overlap
	144.904 145.704	45° angled adapter 90° angled adapter
	117.064 117.065	Side hot air guide Top hot air guide
	117.053 117.518 141.177	20 mm preheating nozzle, small 25 mm preheating nozzle, medium 35 mm preheating nozzle, large
	118.804	Tool rest
	136.231	Pre-heat reflector
	109.984	230 V / 2200 W heating element
	144.095	Welding rod de-reeler
	123.173	Storage case (included with purchase)

WELDPLAST S2: The master piece.

The WELDPLAST S2 is a compact, ergonomically designed workhorse. The handy size extruder puts out two kilograms per hour and can even weld TPO materials without difficulty.



The robust WELDPLAST S2 welding a patch in a tunneling application.

Digitally regulated extrusion welder

WELDPLAST S2



- Maintenance-free blower
- Perfect weld seam quality
- Multifunctional display
- Ergonomic and handy
- Successfully operated worldwide

Technical Data

Voltage	V~	230
Power	W	3000
Material		PE / PP
Welding rod	mm	∅ 3 or ∅ 4
Output ∅ 3 mm	kg/h	PE: 0.6–1.3 PP: 0.5–1.2
Output ∅ 4 mm	kg/h	PE: 1.0–2.3 PP: 0.9–2.0
Size (L × W × H)	mm	450 × 98 × 260
Weight	kg	5.8
Conformity Marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓢ




Article No.:

127.215 WELDPLAST S2, 230 V / 3000 W, Euro plug







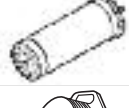


136.602 WELDPLAST S2, 230 V / 3000 W, TPO, Euro p

Included with purchase: WELDPLAST S2, blank welding shoe, storage case

Accessories WELDPLAST S2

	131.451	Device rest
	136.231	Pre-heat reflector
	134.361	Air filter set (included with purchase)
	143.776	Textile dust filter (not included with purchase)

Accessories WELDPLAST S2 / S2 TPO

	118.094	Welding shoe complete 50 × 40 × 38 mm blank welding shoe
	119.214	70 × 50 × 47.5 mm blank welding shoe
	118.888	5 / 6 V-seam and 10 / 12 mm X-seam
	118.889	8 / 10 V-seam and 15 / 20 mm X-seam
	119.202	12 mm V-seam and 25 mm X-seam
	119.203	15 mm V-seam and 30 mm X-seam
	119.204	20 mm V-seam and 35 / 40 mm X-seam
	118.887	5 / 6 mm fillet weld (a = 4.2 mm)
	118.885	8 / 10 mm fillet weld (a = 7 mm)
	119.139	15 mm fillet weld (a = 10.5)
	119.140	20 mm fillet weld (a = 14 mm)
	129.008	20 mm corner, short
	129.010	14 mm corner, long
	139.460	45° angled adapter
	139.461	90° angled adapter
	109.984	230 V / 2200 W heating element
	144.095	Welding rod de-reeler
	119.540	Storage case (included with purchase)

FUSION 3 / 3C: THE slim twins.

With its long and narrow shape, the FUSION 3 enables comfortable work, even on the floor. The somewhat shorter 3C provides an astounding output volume of up to 3.6 kilograms per hour.



Due to its length, the FUSION 3 is especially suited for civil engineering applications.

Air heated extrusion welder

FUSION 3



- High welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Dual-sided twist-free wire intake
- 360° rotatable welding shoe

Technical Data

	mm	Version Ø 3–4		Version Ø 4–5	
Welding rod Ø	mm	3	4	4	5
Output PE	kg/h	2.0–2.5	2.7–3.6	2.1–2.6	2.7–3.6
Output PP	kg/h	1.8–2.3	2.5–3.4	1.8–2.4	2.5–3.4
Voltage	V~	230			
Power	W	3500			
Material		PE / PP			
Size (L × W × H)	mm	670 × 90 × 180			
Weight	kg	7.2			
Conformity marking		CE			
Approval mark		S			
Certification scheme		CCA			
Protection class II		□			

Article No.:

118.300 FUSION 3, 230 V / 3500 W, welding rod Ø 3–4 mm, Euro plug
 144.615 FUSION 3, 230 V / 3500 W, welding rod Ø 4–5 mm, Euro plug
 Included with purchase: FUSION 3, raw welding shoe, storage case

Air heated extrusion welder

FUSION 3C



- High welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Dual-sided twist-free wire intake
- 360° rotatable welding shoe

Technical Data

	mm	Version Ø 3–4		Version Ø 4–5	
Welding rod Ø	mm	3	4	4	5
Output PE	kg/h	2.0–2.5	2.7–3.6	2.1–2.6	2.7–3.6
Output PP	kg/h	1.8–2.3	2.5–3.4	1.8–2.4	2.5–3.4
Voltage	V~	230			
Power	W	2800			
Material		PE / PP			
Size (L × W × H)	mm	588 × 98 × 225			
Weight	kg	6.9			
Conformity marking		CE			
Approval mark		S			
Certification scheme		CCA			
Protection class II		□			

Article No.:

123.866 FUSION 3C, 230 V / 2800 W, welding rod Ø 3–4 mm, Euro plug
 144.826 FUSION 3C, 230 V / 2800 W, welding rod Ø 4–5 mm, Euro plug
 Included with purchase: FUSION 3C, raw welding shoe, storage case



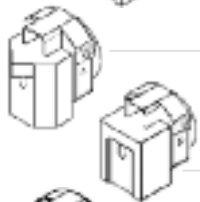






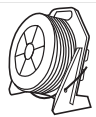

➔ Accessories page 70

➔ Accessories page 70



The FUSION 3 C for comfortable working in awkward positions.

Accessories FUSION 3 / FUSION 3C

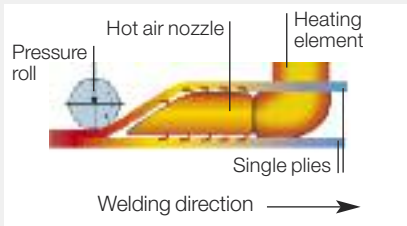
	118.094	50 × 40 × 38 mm blank welding shoe
	119.214	70 × 50 × 47.5 mm blank welding shoe
	118.889	8 / 10 V-seam and 15 / 20 mm X-seam
	119.202	12 mm V seam and 25 mm X-seam
	119.203	15 mm V-seam and 30 mm X-seam
	119.204	20 mm V-seam and 35 / 40 mm X-seam
	119.205	25 mm V-seam
	118.885	8 / 10 mm fillet weld (a = 7 mm)
	119.139	15 mm fillet weld (a = 10.5 mm)
	119.140	20 mm fillet weld (a = 14 mm)
	119.141	25 mm fillet weld (a = 17.5 mm)
	118.890	25 mm overlap
	119.185	35 mm overlap
	129.008	20 mm corner, short
	129.010	14 mm corner, long
	136.231	Pre-heat reflector
	118.804	Tool rest
	135.082	Air filter FUSION 3C
	113.268	230 V / 1100 + 1100 W heating element for FUSION 3
	123.561	230 V / 1750 W heating element for FUSION 3C
	144.095	Welding rod de-reeler
	123.173	Storage case for FUSION 3
	119.540	Storage case for FUSION 3C

Storage case for FUSION 3C. (included with purchase)



Welding technologies for welders in Civil Engineering / Tunneling / Landfills

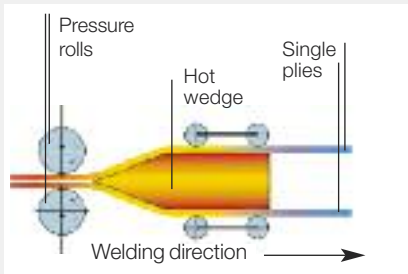
Hot air welding



Heating by hot air

- TRIAC DRIVE

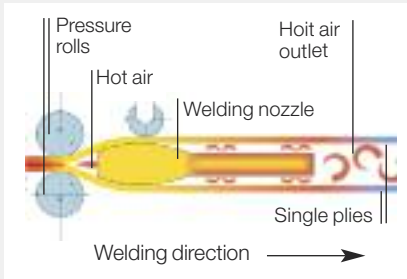
Hotwedge welding



Heating by electrically heated wedge

- ASTRO
- ASTRO USB
- COMET
- COMET USB



Combiwedge welding



Heating by hot air and hotwedge

- TWINNY T
- TWINNY T USB
- TWINNY S

Hot air tools for Civil Engineering / Tunneling / Landfills

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	TRIAC AT Accessories	12 / 13 16 / 17 / 18
	HOT JET S Accessories	20 20 / 21
	ELECTRON Accessories	24 24 / 25
General accessories for Civil Engineering / Tunneling / Landfills		34





Plastic Fabrication

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WELDPLAST S6: The workhorse.

WELDPLAST S6 is the world's highest rated handheld extrusion welder. With an output of 6 kg/h, it is surprisingly maneuverable. It features a brushless, preheated motor, multifunction display and comfortable ergo-grip – making the S6 Leister's flagship extrusion welder.



The WELDPLAST S6 is guided easily with the practical control wheel grip.

Digitally regulated extrusion welder

WELDPLAST S6



- 6 kg output per hour
- Highest possible preheating capacity
- Adjustable control wheel
- Maintenance-free hot air blower
- Multifunctional display

Technical Data

Voltage	V~	230
Power	W	4600
Material		PE / PP
Welding rod	mm	∅ 4 or ∅ 5
Output	kg/h	3.9 – 6.0
Size (L × W × H)	mm	821 × 116 × 240
Weight	kg	14
Conformity Marking		CE
Approval mark		Ⓢ
Protection class I		⊕

Article No.:

134.318 WELDPLAST S6, 230V / 5300W, CEE 32A plug

Included with purchase: WELDPLAST S6, overlap welding shoe, storage case

Accessories WELDPLAST S6

	119.217	Welding shoe complete
	119.222	70 × 50 × 47.5 mm blank welding shoe
	119.190	35 mm overlap
	135.901	40 mm overlap
	119.197	20 mm V-seam and 35/40 mm X-seam
	119.198	25 mm V-seam
	119.199	30 mm V-seam
	119.164	20 mm fillet weld (a = 14 mm)
	119.165	25 mm fillet weld (a = 17.5 mm)
	119.166	30 mm fillet weld (a = 21 mm)
	144.905	45° angled adapter
	145.705	90° angled adapter
	117.055	35 mm preheating nozzle, large
	136.859	50 mm preheating nozzle, XL large
	117.790	Side hot air guide
	134.567	230 V / 2600 W heating element
	144.095	Welding rod de-reeler
	116.367	Ultra strong storage case (included with purchase)



Practical: Control wheel grip with cable suspension.

WELDPLAST S4: The workmate.

The WELDPLAST S4 is the first extruder of its kind with brushless, maintenance-free motor for generating pre-heated air. Output of up to four kilograms per hour is made possible thanks to the S4's powerful drive system.



The powerful WELDPLAST S4 in use.

Digitally regulated extrusion welder

WELDPLAST S4



- Compact housing design reduces noise and guarantees optimal cooling for the electronics and drive.
- Microprocessor regulates the welding process and monitors the tool
- Menu with function programs
- Dual-sided, twist-free wire intake
- Maintenance-free blower

Technical Data

Voltage	V~	230
Power	W	3680
Material		PE / PP
Welding rod	mm	∅ 3 or ∅ 4
Output	kg/h	1.5 – 4.0
Size (L x W x H)	mm	560 x 110 x 300
Weight	kg	8.7
Conformity Marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓢ

Article No.:

116.948 WELDPLAST S4, 230 V / 3680 W, with Euro plug

Included with purchase: WELDPLAST S4, blank welding shoe, preheating nozzle large, medium and small, storage case

Accessories WELDPLAST S4

	119.217	Welding shoe complete 50 x 40 x 38 mm blank welding shoe
	119.222	70 x 50 x 47.5 mm blank welding shoe
	119.194	8 / 10 mm V-seam and 15 / 20 mm X-seam
	119.195	12 mm V-seam and 25 mm X-seam
	119.196	15 mm V-seam and 30 mm X-seam
	119.197	20 mm V-seam and 35 / 40 mm X-seam
	119.198	25 mm V-seam
	119.161	8 / 10 mm fillet weld (a = 7 mm)
	119.163	15 mm fillet weld (a = 10.5 mm)
	119.164	20 mm fillet weld (a = 14 mm)
	119.165	25 mm fillet weld (a = 17.5 mm)
	119.190	35 mm overlap
	135.901	40 mm overlap
	144.904	45° angled adapter
	145.704	90° angled adapter
	117.064	Side hot air guide
	117.065	Top hot air guide
	117.053	20 mm preheating nozzle, small
	117.518	25 mm preheating nozzle, medium
	141.177	35 mm preheating nozzle, large
	118.804	Tool rest
	136.231	Pre-heat reflector
	109.984	230 V / 2200 W heating element
	144.095	Welding rod de-reeler
	123.173	Storage case (included with purchase)

WELDPLAST S2: The master piece.









The WELDPLAST S2 is a masterpiece of modern technology. While externally it fulfils the highest functionality requirements and design, its interior satisfies the high expectations concerning the material to be processed.

The WELSDPLAST S2 PVC has been especially designed to satisfy the high requirements regarding PVC extrusion welding. Perfect seam quality and integrated corrosion protection make it a reliable partner of today and tomorrow.

Digitally regulated extrusion welder

WELDPLAST S2 / S2 PVC



1		Low-noise, high power transmission.
2		360° rotating welding shoe.
3		Material-optimized extruder screw.
4		Maintenance-free blower.
5		Freely adjustable swivel-mounted hand grip.
6		Ergonomic construction.
7		Dual-sided, twist-free wire intake.
8		Multifunctional display.



The WELDPLAST S2 on the practical tool rest.



The WELDPLAST S2 welds perfect seams even in awkward positions.

Digitally regulated extrusion welder

WELDPLAST S2



- Maintenance-free blower
- Perfect weld seam quality
- Multifunctional display
- Ergonomic and handy
- Successfully operated worldwide

Technical Data

Voltage	V~	230
Power	W	3000
Material	PE / PP Other materials on request	
Welding rod	mm	Ø 3 or Ø 4
Output Ø 3 mm	kg/h	PE: 0.6–1.3 PP: 0.5–1.2
Output Ø 4 mm	kg/h	PE: 1.0–2.3 P: 0.9–2.0
Size (L × W × H)	mm	450 × 98 × 260
Weight	kg	5.8
Conformity marking	CE	
Approval mark	S	
Certification scheme	CCA	
Protection class I	⊕	

Article No.:

127.215 WELDPLAST S2, 230 V / 3000 W, Euro plug
136.602 WELDPLAST S2, 230 V / 3000 W, TPO, Euro plug

Included with purchase: WELDPLAST S2, welding shoe raw part, storage case

Digitally regulated extrusion welder

WELDPLAST S2 PVC



- Optimized for PVC-U
- Perfect weld seam quality
- PVC specific extrusion menu
- Corrosion protection
- Standby mode

Technical Data

Voltage	V~	230
Power	W	3000
Material	PVC-U, PE, PP Other materials on request	
Welding rod	mm	Ø 3 or Ø 4
Output Ø 3 mm	kg/h	PVC-U: 0.9–1.7 PE: 0.6–1.3
Output Ø 4 mm	kg/h	PVC-U: 1.5–2.7 PE: 1.0–2.3
Size (L × W × H)	mm	450 × 98 × 260
Weight	kg	5.8
Conformity Marking	CE	
Approval mark	S	
Certification scheme	CCA	
Protection class I	⊕	

Article No.:

135.724 WELDPLAST S2 PVC, 230 V / 3000 W, Euro plug

Included with purchase: WELDPLAST S2 PVC, welding shoe raw part, 3 pre-heating nozzles, storage case

➔ Accessories page 80

➔ Accessories page 80



The handy WELDPLAST S2 in action.



Even inside radiuses are easy to weld.

Accessories WELDPLAST S2

	118.094	Welding shoes complete 50 × 40 × 38 mm blank welding shoe
	119.214	70 × 50 × 47.5 mm blank welding shoe
	118.888	5 / 6 V-seam and 10 / 12 mm X-seam
	118.889	8 / 10 V-seam and 15 / 20 mm X-seam
	119.202	12 V-seam and 25 mm X-seam
	119.203	15 V-seam and 30 mm X-seam
	119.204	20 V-seam and 35 / 40 mm X-seam
	118.887	5 / 6 mm fillet weld (a = 7 mm)
	118.885	8 / 10 mm fillet weld (a = 7 mm)
	119.139	15 mm fillet weld (a = 10.5 mm)
	119.140	20 mm fillet weld (a = 14 mm)
	129.008	20 mm corner short
	129.010	14 mm corner long
	139.460	45° angled adapter
	139.461	90° angled adapter

Accessories WELDPLAST S2 PVC

	119.217	Welding shoes complete 50 × 40 × 38 mm blank welding shoe
	119.193	5 / 6 V-seam and 10 / 12 mm X-seam
	119.194	8 / 10 V-seam and 15 / 20 mm X-seam
	119.195	12 V-seam and 25 mm X-seam
	119.196	15 V-seam and 30 mm X-seam
	119.159	5 / 6 mm fillet weld (a = 7 mm)
	119.161	8 / 10 mm fillet weld (a = 7 mm)
	119.163	15 mm fillet weld (a = 10.5 mm)
	119.164	20 mm fillet weld (a = 14 mm)
	129.009	20 mm corner short
	129.011	14 mm corner long
	133.850	Top hot air guide

Accessories WELDPLAST S2 / WELDPLAST S2 PVC

	131.451	Tool rest
	136.231	Pre-heat reflector
	134.361	Air filter set (included with purchase)
	143.776	Textile dust filter (sold separately)
	109.984	230 V / 2200 W heating element
	144.095	Welding rod de-reeler
	119.540	Storage case



Succeed with perfect weld seams with the WELDPLAST S2.



The 45° angled adapter for the WELDPLAST S2 facilitates welding in difficult positions. (accessory)

FUSION 2: The small powerhouse.

The FUSION 2 convinces with its ergonomic construction. The simple operation and first-class welding quality have helped it to become the breakthrough product.



The FUSION 2 in operation during container construction in China.

Air heated extrusion welder

FUSION 2



- At 450 mm, it is the shortest in its performance class!
- Motor start-up protection prevents cold start
- Simple operation
- Dual-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	W	2800
Material		PE / PP
Air temperature	°C	up to 340
Plastification temperature	°C	up to 300
Welding rod	∅ mm	4
Output PE	kg/h	1.3 – 1.8
Size (L × W × H)	mm	450 × 98 × 225
Weight	kg	5.9 (without cable)
Conformity marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		□

Article No.:

119.200 FUSION 2, 230 V / 2800 W, Euro plug

Included with purchase: FUSION 2, raw welding shoe, storage case

Accessories FUSION 2

	118.094	Welding shoes complete
	119.214	50 × 40 × 38 mm blank welding shoe
		70 × 50 × 47.5 mm blank welding shoe
	118.888	5 / 6 V-seam and 10 / 12 mm X-seam
	118.889	8 / 10 V-seam and 15 / 20 mm X-seam
	119.202	12 V-seam and 25 mm X-seam
	119.203	15 V-seam and 30 mm X-seam
	118.887	5 / 6 mm fillet weld (a = 4.2 mm)
	118.885	8 / 10 mm fillet weld (a = 7 mm)
	119.139	15 mm fillet weld (a = 10.5 mm)
	118.890	25 mm overlap
	119.185	35 mm overlap
	129.008	20 mm corner short
	129.010	14 mm corner long
	135.082	Air filter
	136.231	Pre-heat reflector
	123.561	230 V / 1750 W heating element
	144.095	Welding rod de-reeler
	119.540	Storage case



Value must be protected ...

FUSION 3: Long and slim.

With its long and narrow shape, the FUSION 3 enables comfortable work, even on the floor.



Comfortable work on the ground with the FUSION 3.

Air heated extrusion welder

FUSION 3



- High-quality welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Simple operation
- Dual-sided twist-free wire intake
- 360° rotating welding shoe

Technical Data

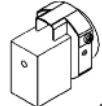

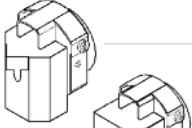
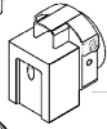


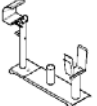
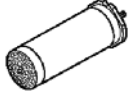


	mm	Version Ø 3–4		Version Ø 4–5	
Welding rod Ø	mm	3	4	4	5
Output PE	kg/h	2.0–2.5	2.7–3.6	2.1–2.6	2.7–3.6
Output PP	kg/h	1.8–2.3	2.5–3.4	1.8–2.4	2.5–3.4
Voltage	V~	230			
Power	W	3500			
Material		PE / PP			
Size (L × W × H)	mm	670 × 90 × 180			
Weight	kg	7.2			
Conformity marking		CE			
Approval mark		S			
Certification scheme		CCA			
Protection class II		□			

Article No.:

- 118.300 FUSION 3, 230 V / 3500 W, welding rod Ø 3–4 mm, Euro plug
 144.615 FUSION 3, 230 V / 3500 W, welding rod Ø 4–5 mm, Euro plug

Included with purchase: FUSION 3, raw welding shoe, storage case

Accessories FUSION 3

	118.094 119.214	Welding shoes complete 50 × 40 × 38 mm blank welding shoe 70 × 50 × 47.5 mm blank welding shoe
	118.889 119.202 119.203 119.204 119.205	8 / 10 V-seam and 15 / 20 mm X-seam 12 V-seam and 25 mm X-seam 15 V-seam and 30 mm X-seam 20 V-seam and 35 / 40 mm X-seam 25 mm V-seam
	118.885 119.139 119.140 119.141	8 / 10 mm fillet weld (a = 7 mm) 15 mm fillet weld (a = 10.5 mm) 20 mm fillet weld (a = 14 mm) 25 mm fillet weld (a = 17.5 mm)
	118.890 119.185	25 mm overlap 35 mm overlap
	129.008 129.010	20 mm corner short 14 mm corner long
	136.231	Pre-heat reflector
	118.804	Tool rest
	113.268	230 V / 2200 W heating element
	144.095	Welding rod de-reeler
	123.173	Storage case

FUSION 3C: Short and handy.

The somewhat shorter 3C provides an astounding output volume of up to 3.6 kilograms per hour.



FUSION 3C during the welding of a V-seam.

Air heated extrusion welder

FUSION 3C



- High-quality welding performance
- Compact and handy
- Motor start-up protection prevents cold start
- Simple operation
- Dual-sided, twist-free wire intake
- 360° rotating welding shoe

Technical Data

	mm	Version Ø 3–4		Version Ø 4–5	
Welding rod Ø	mm	3	4	4	5
Output PE	kg/h	2.0–2.5	2.7–3.6	2.1–2.6	2.7–3.6
Output PP	kg/h	1.8–2.3	2.5–3.4	1.8–2.4	2.5–3.4
Voltage	V~	230			
Power	W	2800			
Material		PE / PP			
Size (L x W x H)	mm	588 x 98 x 225			
Weight	kg	6.9			
Conformity marking		CE			
Approval mark		S			
Certification scheme		CCA			
Protection class II		□			

Article No.:

123.866 FUSION 3C, 230 V / 2800 W, welding rod Ø 3–4 mm, Euro plug

144.826 FUSION 3C, 230 V / 2800 W, welding rod Ø 4–5 mm, Euro plug

Included with purchase: FUSION 3C, raw welding shoe, storage case

Accessories FUSION 3C

	118.094	Welding shoes complete 50 x 40 x 38 mm blank welding shoe
	119.214	70 x 50 x 47.5 mm blank welding shoe
	118.889	8 / 10 V-seam and 15 / 20 mm X-seam
	119.202	12 V-seam and 25 mm X-seam
	119.203	15 V-seam and 30 mm X-seam
	119.204	20 V-seam and 35 / 40 mm X-seam
	119.205	25 mm V-seam
	118.885	8 / 10 mm fillet weld (a = 7 mm)
	119.139	15 mm fillet weld (a = 10.5 mm)
	119.140	20 mm fillet weld (a = 14 mm)
	119.141	25 mm fillet weld (a = 17.5 mm)
	118.890	25 mm overlap
	119.185	35 mm overlap
	129.008	20 mm corner short
	129.010	14 mm corner long
	135.082	FUSION 3C air filter
	136.231	Pre-heat reflector
	118.804	Tool rest
	144.095	Welding rod de-reeler
	123.561	230 V / 1750 W heating element



Perfectly stored in the case.
Article-No.: 119.540
(included with purchase)

WELDMAX: Small but nice.

The smallest tool still packs a punch: With separately regulated heating systems for preheated air and filler, the lightweight and compact WELDMAX fulfills even the most stringent requirements.



The easy to handle and low-noise WELDMAX.

Compact extrusion welder

WELDMAX



- Compact, handy and quiet thanks to its non-screw transportation and plastification
- The lightest Leister hand extruder
- Ideal for confined spaces
- Separate, stepless temperature control for plastification unit and preheated air

Technical Data

Voltage	V~	230 / 120
Power	W	2200 / 1800
Material		PE / PP / PVDF / PA (other materials on demand)
Welding rod	mm	∅ 4 ± 0.3
Output (HDPE ∅ 4)	kg/h	0.3 – 0.8
Size (L × B × H)	mm	443 × 94 × 255, handle ∅ 57
Weight	kg	3.8
Conformity marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		Ⓜ

Article No.:

- 110.272 WELDMAX, 230 V / 2200 W, with EU-plug, storage case
 113.549 WELDMAX, 120 V / 1800 W, without plug, storage case

Additional versions on request

Accessories WELDMAX

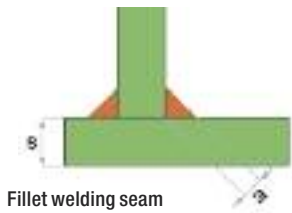
	112.830	Welding shoe complete Blank welding shoe
	112.629	5 mm V-seam
	112.621	6 mm V-seam
	112.623	8 mm V-seam
	112.624	10 mm V-seam
	112.630	5 mm fillet weld (a = 3.5 mm)
	112.625	6 mm fillet weld (a = 4.2 mm)
	112.627	8 mm fillet weld (a = 5.6 mm)
	112.628	10 mm fillet weld (a = 7 mm)
	112.626	20 mm overlap
	112.638	230 V / 1400 W heating element
	112.963	120 V / 1150 W heating element
	144.095	Welding rod de-reeler



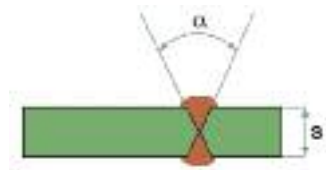
Always at hand in a sturdy storage case. (included with purchase)

Possibilities of welding seams

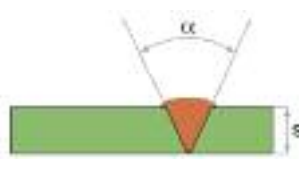
a = seam size s = material thickness α = milling angle



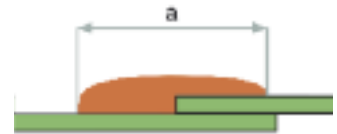
Fillet welding seam



X-seam
 $s = 10 - 40 \text{ mm} = \alpha 60^\circ$
 $s = 50 - 60 \text{ mm} = \alpha 50^\circ$










V-seam
 $s = 5 - 20 \text{ mm} = \alpha 60^\circ$
 $s = 25 - 30 \text{ mm} = \alpha 50^\circ$



Overlap seam

Product comparison

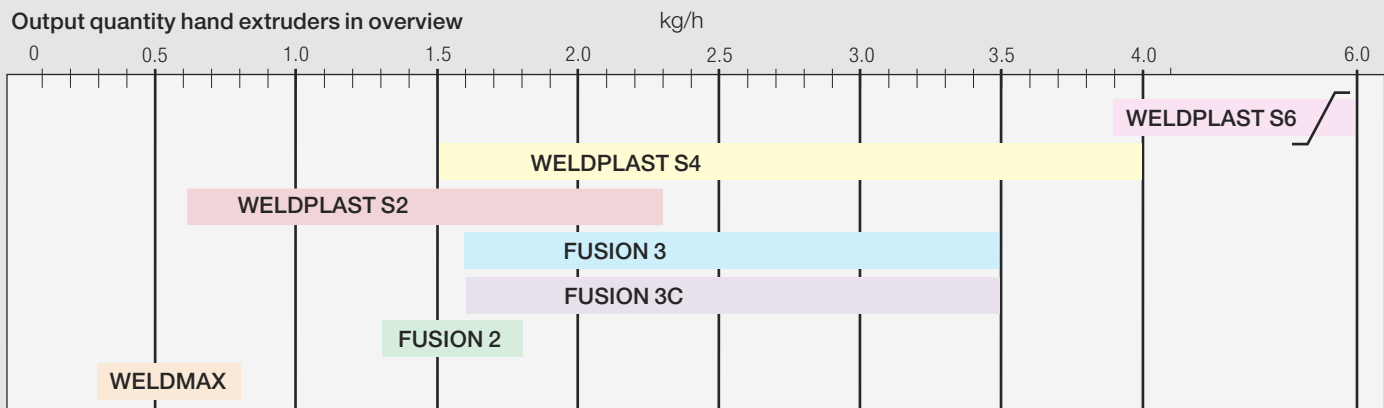
	Digitally regulated extrusion welders			Air heated extrusion welders			Compact extrusion welder
							
Device type	WELDPLAST S6	WELDPLAST S4	WELDPLAST S2	FUSION 3	FUSION 3C	FUSION 2	WELDMAX
Output (HDPE) kg/h	3.9 – 6	1.5 – 4	0.6 – 2.3	1.8 – 3.6	1.8 – 3.6	1.3 – 1.8	0.3 – 0.8
Material	HD-PE, PP	HD-PE, PP	HD-PE, PP, PVC	HD-PE, PP	HD-PE, PP	HD-PE, PP	HD-PE, PP, PVDF
Wall thickness mm	15 – 40	8 – 35	4 – 20	8 – 25	8 – 25	6 – 15	4 – 10
Welding wire mm	4 – 5	3 – 4	3 – 4	3 – 5	3 – 5	4	4
Weight kg	14	8.7	5.8	7.2	6.9	5.9	3.8
Length mm	821	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	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
Landfills / civil engineering	✓✓	✓✓	✓	✓✓	✓	○	○
Brushless blower	yes	yes	yes	no	no	no	no
Remarks	1	1	1	2	2	2	1

Remarks

- 1: Air and plast temperatures are shown via a display and can be separately and freely adjusted.
- 2: The air temperature is adjusted by means of a potentiometer (rotary dial). The heating of the plastic mass is performed by the pre-heating air.

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

Output quantity hand extruders in overview







Welding rods

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

Article		packaging units (kg)
Welding accessories div.		
104.297	PA welding rod, profile A, black	3
104.298	PC welding rod, profile A, transparent	3
104.313	PC welding rod / ABS / ALPHA (Honda), profile A, black	3
104.311	PC welding rod / PBTP (Xenoy), profile A, grey	3
104.309	PS welding rod, profile A, white	3
104.308	PUR welding rod, profile A, black	3
106.654	Xenoy welding band, 8x 2 mm, grey	2
106.642	PPs welding rod, profile A, grey, flame resistant	3
104.304	PVDF welding rod, profile A, natural	3
104.303	POM welding rod, profile A, natural	3
Test bundles		
107.036	Test bundle bodywork welding rods, each consisting of profile A pieces of 37 mm single marked 6x HDPE, 6x PP, 6x PA, 6x PC, 6x ABS, 6x PCABS / ALPHA Honda, 6x PC / PBTP / Xenoy	
107.037	Test bundles standard each consisting of profile A pieces of 37 mm single marked 5x PVC-U, 5x PVC-P, 5x PP, 5x ABS, 5x HDPE, 3x PC, 3x PA, 3x POM, 3x LDPE, 3x PC / ABS / ALPHA Honda, 3x PC / PBTP / Xenoy	
107.040	Test bundle welding band each consisting of profile A pieces of 37 mm single marked 9x HDPE, 8x 2 mm white, 9x PP, 8x 2 mm natural, 9x ABS, 8x 2 mm white, 9x PC / PBTP / Xenoy grey	

Profile sizes

	Profile A	Diameters in mm
	Profile B	








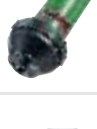
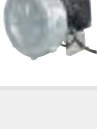


Draw welding on a PE-container with the DIODE PID.



The WELDPLAST S4 during outdoor use in Spain.

Hot air tools for Plastic Fabrication

	TRIAC S Accessories	11 16 / 17 / 18
	TRIAC AT Accessories	12 / 13 16 / 17 / 18
	TRIAC BT Accessories	14 / 15 16 / 17 / 18
	GHIBLI / accessories	22
	LABOR S / accessories	28
	WELDING PEN R / WELDING PEN S / accessories	29
	DIODE PID / DIODE S / accessories	30
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	ROBUST blower/ accessories	32
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Flooring / Interior Decoration

UNIFLOOR E / UNIFLOOR S	88
GROOVER	89
Flooring welding procedures	90
Overview of hot air tools for Flooring / Interior Decoration	91



UNIFLOOR E / S: A jack of all trades.

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.



UNIFLOOR E, the reliable partner for welding floor coverings.

Hot air welder

UNIFLOOR E / UNIFLOOR S



- Reproducible results thanks to digital display of set and actual values
- Electronically controlled heating
- Steplessly controlled air flow (only UNIFLOOR E)
- All floor coverings welded without reconfiguration
- Automatic start
- Integrated wall switch

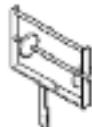




Technical Data

Voltage	V~	230
Power	W	2300
Temperature	°C	20 – 620
Speed	m/min	1.0 – 7.5
Air flow range	%	50 – 100
Size (L x W x H)	mm	420 x 270 x 215
Weight	kg	11.0 (with 3 m cord)
Conformity marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class I		Ⓢ

Article No.:

138.493	UNIFLOOR E 230 V, including rod de-reeler, squeezed nozzle (PVC and PUR), with Euro plug
114.226	UNIFLOOR E 230 V, squeezed nozzle (PVC and PUR), with Euro plug
138.494	UNIFLOOR S 230 V, including rod de-reeler, squeezed nozzle (PVC and PUR), with Euro plug
115.032	UNIFLOOR S 230 V, squeezed nozzle (PVC and PUR), with Euro plug

Accessories UNIFLOOR E / UNIFLOOR S

	115.054	Welding rod de-reeler
	115.057	Trolley attachment
	114.224	Floor welding nozzle, optimised for PVC material
	115.342	Floor welding nozzle, for PVC + PUR material
	103.394	Floor welding nozzle air-knife, optimised for PUR material
	103.604	230 V / 2100 W heating element
	126.448	Storage case (included with purchase)



Perfectly stowed away in the provided storage case.

GROOVER: Dust-free milling.

The GROOVER grooving machine 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.



Strong drive suitable for PVC, PUR and linoleum materials.

Grooving machine

GROOVER



- Cuts grooves into of all types of floor coverings
- Extremely high, rotational, dual-level cutting speeds
- Adjustable guide roller for tracking accuracy
- Particulate- and dust-free operation with an additional fan and dust bag
- Milling as close to the edge possible

Technical Data

Voltage	V~	230
Power	W	350 / 700 (2 levels)
Speed	min ⁻¹	Level 1: 14 500 (350 W) Level 2: 18 500 (700 W)
Groove depth adjustment	mm	0 – 4
Size (L × W × H)	mm	240 × 205 × 255
Weight	kg	6.7 (with 3 m cord)
Conformity marking		CE
Approval mark		Ⓢ
Certification scheme		CCA
Protection class II		□

Article No.:

108.393	GROOVER 230 V, tungsten carbide tipped blade Ø 110 x 3.5 mm, trapezium profile, with Euro plug
111.032	GROOVER 230 V, tungsten carbide tipped blade Ø 110 x 3.5 mm, round profile, with Euro plug
108.397	GROOVER 120 V, with UK plug yellow

Accessories GROOVER

	102.401 Ø 110 × 3.5 mm, tungsten carbide-tipped blade, trapezium profile
	102.402 Ø 110 × 4 mm, tungsten carbide-tipped blade, round profile
	102.404 Ø 110 × 2.8 mm, tungsten carbide-tipped blade, round profile
	102.403 Ø 110 × 2.5 mm, tungsten carbide-tipped blade, round profile
	102.405 Ø 110 × 3.5 mm, tungsten carbide-tipped blade, round profile
	102.406 Ø 110 × 3.5 mm, diamond cutting blade, semi-round profile
	126.448 Storage case (included with purchase)

Procedures for welding floor coverings



Step 1:
Milling the groove
with the GROOVER.
(page 91)



Step 2:
Inserting the welding rod into
the groove with the UNIROOF E
hot air welder.
(page 90)










Step 3:
Pulling out the inserted
welding rod with trimmer
and spatula.
(page 34)



Step 4:
Planing the projecting
welding rod with the spatula.
(page 34)

Hot air tools for Flooring / Interior Decoration

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We know how.

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- Iceland
- Italy
- Latvia
- Lithuania
- Netherlands
- Norway
- Poland
- Portugal
- Romania

Russia

- Serbia
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- Turkey
- Ukraine

America:

- Canada
- Mexico
- USA
- Argentina
- Brazil
- Chile
- Columbia
- Costa Rica
- Ecuador
- Venezuela
- Peru

Africa:

- Algeria
- Egypt
- Kenya
- Morocco
- South Africa
- Tunisia

Middle East:

- U.A.E.
- Saudi Arabia
- Qatar
- Iran

Asia Pacific:

- P.R.China
- Hong Kong
- India
- Indonesia
- Japan
- Korea
- Malaysia
- Philippines
- Singapore
- Taiwan
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