

General Catalog

Hot air and plastic  
welding equipment

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2017 / 18



simple.  
good.  
affordable.





Dear Customer,

Weldy is a Leister brand and stands for functional hot-air equipment offering good value for money. You can use Weldy products in the following areas:

- Plastic Fabrication
- Industrial and residential roofing
- Flooring
- Civil Engineering and tunnelling
- Billboards and promotional banners
- Industrial applications

#### **High quality - satisfied customers**

All Weldy products are developed in Switzerland by our experienced specialists and manufactured by Leister China according to Leister functionality and quality standards. This enables us to ensure that you acquire a quality product. Satisfied customers in more than 80 countries already work with Weldy.

#### **energy HT - your new highlight**

We have extended our product range for you with a new highlight. You can already order the equipment in the energy HT line. These include the compact energy HT1600, the high-performance energy HT3400, and the energy HT1600 D with digital temperature control. With the new hot-air equipment in the energy HT line, you can weld, dry, bend and shrink plastics.

#### **Quick and competent service - worldwide**

If you require quick, competent and uncomplicated support, then we are the company for you. We provide local service worldwide thanks to our global service and sales network. See for yourself how good our products and versatile accessories are.

#### **Livio Barbagallo**

Vice President Sales





**WELDY**

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Visit our YouTube channel:  
[youtube.com/WELDY](https://www.youtube.com/WELDY)









## Hot-air hand tools









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## Field of activity and applications

							
	energy HT1600	energy HT1600 D	energy HT3400	fuego HG1600	pic	pro	plus-S
<b>Field of activity</b>							
<b>Building sites</b> (outdoor)	✓	✓	✓				
<b>Industry</b> (indoor, continuous use)	✓	✓	✓	(✓)	(✓)	(✓)	(✓)
<b>House &amp; garden</b> (indoor, short-term use)	✓	✓	✓	✓	✓	✓	✓
<b>Applications</b>							
<b>Welding</b> Roofing membranes, protective and sealing foils (overlap welding), plastic containers & joints (pull welding), repairing bumpers	***	***				*	**
<b>Soldering</b> Copper piping, soldering copper sheet seams, soft soldering, desoldering electrical contact points	**	***	**	*	*	**	***
<b>Drying</b> Drying, dehumidifying, hardening (adhesive and putty, paint)	***	***	***	***	***	***	***
<b>Lifting / Removing</b> Lifting or removing protective, decorative or special membranes on a range of surfaces	*	*	**	**	**	***	***
<b>Heating, activating</b> Lighting / stoking barbecue charcoal, warming/heating (defrosting) objects, activating special adhesive (gluing wooden edges, dressing leather), loosening blocked screws / clamps	**	**	***	**	**	**	***
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	energy HT1600	energy HT1600 D	energy HT3400	fuego HG1600	pic	pro	plus-S
<b>Applications</b>							
<b>Cleaning</b> Paint, plastics, joint sealants, softening/ removing adhesive, heating and removing adhesive film and textiles, burning weeds	**	**	***	**	**	**	***
<b>Smoothing</b> Smoothing / stretching leather goods by warming the entire surface	**	***	***	*	*	**	***
<b>Deforming</b> Shaping / deforming plastic profiles (pipes, plates, etc.)	**	**	***	**	**	**	***
<b>Shrinking</b> Shrinking shrink tubes and solder sleeves, shrinking hoses, shrink wrap- ping objects with packaging film	***	***	***	***	***	***	***
<b>Melting</b> Heating / liquefying bitumen roof repairs, renovate / repair cracks and scratches in plastic, fasten textile yarns and rope endings	**	**	***	**	**	**	***
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# energy HT1600: the hot-air hand tool that can be used anywhere

The energy HT1600 is a compact, high-performance hot-air hand tool suitable for a wide range of professional applications. This tool is a firm favorite thanks to its modern design, solid performance and unbeatable value.

Hot-air hand tool

## energy HT1600

- Variable temperature control up to 700°C
- Ceramic heating element
- Robust brush motor
- Ergonomic handle
- Dust filter

### Technical data

Voltage	V~	120	230
Max. power	W	1600	1600
Temperature	°C	40–700	
Air volume	l/min	240	
Static pressure	Pa	2600	
Dimensions L × W (∅ handle)	mm	346 × 101 (59)	
Nozzle seat ∅	mm	31.5	
Weight	kg	1.0	
Conformity marking		CE	
Protection class II		□	

### Delivery contents

Hand tool, one set replacement carbon brushes, instruction manual in 28 languages, cardboard tool packaging

### Article no.

energy HT1600, 230 V / 1600 W, CN plug	148.003
energy HT1600, 230 V / 1600 W, EU plug	120.881
energy HT1600, 230 V / 1600 W, UK plug	126.732
energy HT1600, 120 V / 1600 W, US plug	123.898





<b>energy HT1600 kit solutions</b>	<b>Plastic welding kit</b>	<b>Overlap welding kit</b>	<b>Cable and foil shrinking kit</b>
230 V / 1600 W, UK plug		126.767	125.016
230 V / 1600 W, EU plug	120.883	120.882	125.015
230 V / 1600 W, CN plug	120.988	120.888	
120 V / 1600 W, US plug	128.886	120.885	
<b>Accessories (included in kit)</b>			
130.632 Tubular nozzle Ø 5 mm	•		
146.740 Speed welding nozzle Ø 4 mm	•		
130.891 Wide slot nozzle 40 mm		•	•
130.631 Wide slot nozzle 20 mm		•	•
130.611 Pressure roller 40 mm, silicone		•	
119.344 Reflector nozzle			•
Plastic case	•	•	•



# energy HT1600 D: the digitally-controlled hot-air hand tool

The energy HT1600 D is a compact and robust hot-air hand tool with a powerful blower, digital temperature control and LCD display. Thanks to the built-in protection against overheating, this tool is ideal for a wide range of professional applications.

Hot-air hand tool

## energy HT1600 D

- Digital temperature control from 40 - 620°C
- Ceramic heating element
- Robust brush motor
- Ergonomic handle
- Cooldown function
- Memory settings
- Dust protection

### Technical data

Voltage	V~	120	230
Max. power	W	1600	1600
Temperature	°C	40 - 620	
Air volume	l/min	120 - 240	
Static pressure	Pa	2600	
Dimensions L × W (∅ handle)	mm	360 x 101 (59)	
Nozzle seat ∅	mm	31.5	
Weight	kg	1.2	
Conformity marking		CE	
Protection class II		□	

### Delivery contents

Hand tool, one set replacement carbon brushes, instruction manual in 28 languages, cardboard tool packaging

### Article no.

energy HT1600 D, 230 V/1600 W, CN plug	160.176
energy HT1600 D, 230 V/1600 W, EU plug	160.170
energy HT1600 D, 230 V/1600 W, UK plug	160.173
energy HT1600 D, 120 V/1600 W, US plug	160.179







**energy HT1600 D  
kit solutions**

	Plastic welding kit	Overlap welding kit
230 V / 1600 W, UK plug	160.175	160.174
230 V / 1600 W, EU plug	160.172	160.171
230 V / 1600 W, CN plug	160.178	160.177
120 V / 1600 W, US plug	160.181	160.180
<b>Accessories (included in kit)</b>		
130.632 Tubular nozzle Ø 5 mm	•	
146.740 Speed welding nozzle Ø 4 mm	•	
130.891 Wide slot nozzle 40 mm		•
130.631 Wide slot nozzle 20 mm		•
130.611 Pressure roller 40 mm, silicone		•
Plastic case	•	•



Accessories



**energy HT1600 / HT1600 D accessories**



Tubular nozzle  $\varnothing$  5 mm  
**130.632**  
**147.250 (reinforced)**



Speed welding nozzle  
 $\varnothing$  4 mm  
**146.740**



Speed welding nozzle  
 $\varnothing$  5 mm  
**125.315**



Brass brush  
**130.612**



Scraper  
**119.177**



Scraper set  
**119.178**



Speed welding nozzle  
 $\varnothing$  7 mm, triangular profile  
**127.833**



Tacking nozzle  
**147.248**



Swan neck nozzle  
**133.174**



Crescent-shaped cutter  
**153.894**



Crescent-shaped cutter  
**124.336**



Leather case for crescent-shaped cutter  
**153.895**



Wide slot nozzle 40 mm  
**130.891**  
**124.777 (reinforced)**



Wide slot nozzle 20 mm  
**130.631**  
**124.772 (reinforced)**



Reflector nozzle  
**119.344**



Trimmer  
**132.050**



Welding rod PP,  
 $\varnothing$  4 mm, grey/beige, 5 kg  
**115.355**



Welding rod HDPE,  
 $\varnothing$  4 mm, black, 5 kg  
**115.366**



Sieve reflector 50 x 35 mm  
**148.442**



Heating element HT1600  
**123.805 (230 V)**  
**123.895 (120 V)**



Heating element HT1600 D  
**158.802 (230 V)**  
**158.805 (120 V)**



Welding rods set  
**119.179 PP**  
**119.180 HDPE**  
**119.181 ABS**



Pressure roller, silicone  
**130.611 40 mm**  
**130.146 30 mm\***  
 \* with ball bearing



Pressure roller 30 mm,  
 PTFE  
**131.693**



Pressure roller, brass  
**135.750**





# energy HT3400: the powerful hot-air hand tool

The energy HT3400 is the ideal tool for performance-intensive work with plastic. The 3400 W heat output can be easily and infinitely adjusted, and can be used for large-scale shrinking, bending, heating and drying work with the corresponding nozzles.

Hot-air hand tool

## energy HT3400

- Variable temperature control up to 650°C
- Active heating element protection
- High-performance 3400 W heat output
- Dust filter

### Technical data

Voltage	V~	230
Max. power	W	3400
Temperature	°C	40–650
Air volume	l/min	320
Dimensions L × W (Ø handle)	mm	348 × 101 (59)
Nozzle seat Ø	mm	50
Weight	kg	1.3
Conformity marking		CE
Protection class II		□

### Delivery contents

Hand tool, one set replacement carbon brushes, instruction manual in 28 languages, cardboard tool packaging

### Article no.

energy HT3400, 230 V / 3400 W, EU plug	128.723
energy HT3400, 230 V / 3400 W, CN plug	128.669







### Accessories

		
Reflector nozzle 130.633	Wide slot nozzle Ø 70 mm 130.650	Pressure roller, silicone 40 mm 130.611
		
Scraper 119.177	Scraper set 119.178	Heating element 124.322

### energy HT3400 kit solutions

230 V / 3400 W, EU plug

230 V / 3400 W, CN plug

Accessories (included in kit)

130.633 Reflector nozzle

130.650 Wide slot nozzle 70 mm

125.810 Carbon brushes for motor

Plastic case

Universal kit

130.698

130.697

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- 
- 
- 



# fuego HG1600: the handy, lightweight hot-air hand tool

With its two-stage blower and heating unit (350°C / 550°C), the reliable, easy-to-use fuego HG1600 hot-air hand tool is a firm favorite for do-it-yourself projects around the house or in the hobby room. The numerous uses range from removing paint and defrosting pipes to loosening rusty screws.

Hot-air hand tool

## fuego HG1600

- Two temperature settings, 350°C / 550°C
- Ease of use
- Ergonomic, nonslip handle
- Optimized weight distribution
- EC-compliant



### Technical data

Voltage	V~	230
Max. power	W	1600
Temperature	°C	350/550
Air volume	l/min	350/500
Dimensions L × W × H	mm	235 × 80 × 245
Weight	kg	0.5
Conformity marking		CE
Protection class II		□

### Delivery contents

Hand tool, instruction manual in 37 languages, cardboard tool packaging

### Article no.

fuego HG1600, 230 V / 1600 W, EU plug	124.148
fuego HG1600, 230 V / 1600 W, CN plug	124.149
fuego HG1600, 230 V / 1600 W, CH plug	124.426
fuego HG1600, 230 V / 1600 W, UK plug	124.427
fuego HG1600, 230 V / 1600 W, AUS plug	124.428



**Accessories**



Reflector nozzle  
154.088



Spring balancer  
154.089



Pressure roller  
119.348



Scraper  
119.177



Scraper set  
119.178





# pic: the compact hot-air hand tool

Whether you are removing paint, shrinking wire wrap, loosening fittings or defrosting pipes, the pic is ideal for work at home and quick, occasional professional jobs. Materials warm up very quickly thanks to the revolutionary coil design. The low weight and ergonomic handle of the heat gun make work easy.

Hot-air hand tool

## pic

- Two temperature settings, 350°C / 550°C
- Two-stage air volume setting
- Lightweight
- Resistant and robust tool body
- Two component handle



### Technical data

Voltage	V~	100	120	230
Max. power	W	1100	1200	1600
Temperature	°C	500	500	350/550
Air volume	l/min	250/400	250/400	350/500
Dimensions L x W x H	mm	230 x 80 x 240		
Weight	kg	0.58		
Conformity marking		CE		
Safety mark		UL LISTED		
Protection class II		□		

### Delivery contents

Hand tool, instructional manual in 28 languages, plastic tool packaging

### Article no.

pic, 230 V / 1600 W, EU plug	119.055
pic, 230 V / 1600 W, CH plug	119.076
pic, 230 V / 1600 W, UK plug (GB3)	119.084
pic, 230 V / 1600 W, AUS plug (2P + PE)	119.225
pic, 230 V / 1600 W, CN plug	119.475
pic, 120 V / 1200 W, US plug polarized (UL)	119.380
pic, 100 V / 1100 W, US plug non-polarized. (Japan)	119.364





### Accessories



Glass protection nozzle  
119.341



Wide slot nozzle  
119.342



Reflector nozzle  
119.344



Scraper  
119.177



Scraper set  
119.178

### Kit solutions pic

	Universal kit
230 V / 1600 W, CN plug, kit	119.896
230 V / 1600 W, EU plug, kit	122.561
230 V / 1600 W, CH plug, kit	122.563
230 V / 1600 W, UK plug (GB3), kit	122.565
230 V / 1600 W, AUS plug (2P + PE), kit	122.746
120 V / 1200 W, US plug, polarized (UL), kit	122.703
100 V / 1100 W, US plug, non-polarized (Japan), kit	122.707

### Accessories (included in kit)

130.483 Plastic case	•
118.823 Instruction manual	•
119.342 Wide slot nozzle	•
119.344 Reflector nozzle	•



# pro: the multi-functional hot-air hand tool

The pro is at its best when used for drying paint and resin cement for sheet metal. It is impressive when working with shrink foil and tubing, repairing urethane car bumpers and applying floor materials or vinyl molded parts. Thanks to its temperature and air volume settings, it adapts perfectly to the work requirements at hand.

Hot-air hand tool

## pro

- Variable temperature control, 100 – 550°C
- Two-stage air volume
- Ergonomic gun handle
- Lightweight



### Technical data

Voltage	V~	100	120	230
Max. power	W	1200	1400	1800
Temperature	°C	80–550	80–550	100–550
Air volume	l/min	250/450	250/450	250/550
Dimensions L × W × H	mm	230 x 80 x 240		
Weight	kg	0.63		
Conformity marking		CE		
Safety mark		UL LISTED		
Protection class II		□		

### Delivery contents

Hand tool, instructional manual in 28 languages, plastic tool packaging

### Article no.

pro, 230 V / 1800 W, EU plug	119.056
pro, 230 V / 1800 W, CH plug	119.077
pro, 230 V / 1800 W, UK plug (GB3)	119.085
pro, 230 V / 1800 W, AUS plug (2P + PE)	119.226
pro, 230 V / 1800 W, CN plug	119.476
pro, 120 V / 1400 W, US plug, polarized (UL)	119.381
pro, 100 V / 1200 W, US plug, non-polarized (Japan)	119.365



### Accessories



Glass protection nozzle  
119.341



Wide slot nozzle  
119.342



Reducer nozzle  $\varnothing$  20 mm  
119.343



Reflector nozzle  
119.344



Scraper  
119.177



Scraper set  
119.178

### Kit solutions pro

	Universal kit
230 V / 1800 W, CN plug, kit	119.897
230 V / 1800 W, EU plug, kit	119.274
230 V / 1800 W, CH plug, kit	122.614
230 V / 1800 W, UK plug (GB3), kit	122.554
230 V / 1800 W, AUS plug (2P + PE), kit	122.753
120 V / 1400 W, US plug, polarized (UL), kit	122.719
100 V / 1200 W, US plug, non-polarized (Japan), kit	122.716

### Accessories (included in kit)

130.483 Plastic case	•
118.823 User manual	•
119.344 Reflector nozzle	•
119.343 Reducer nozzle $\varnothing$ 20 mm	•
119.341 Glass protection nozzle	•



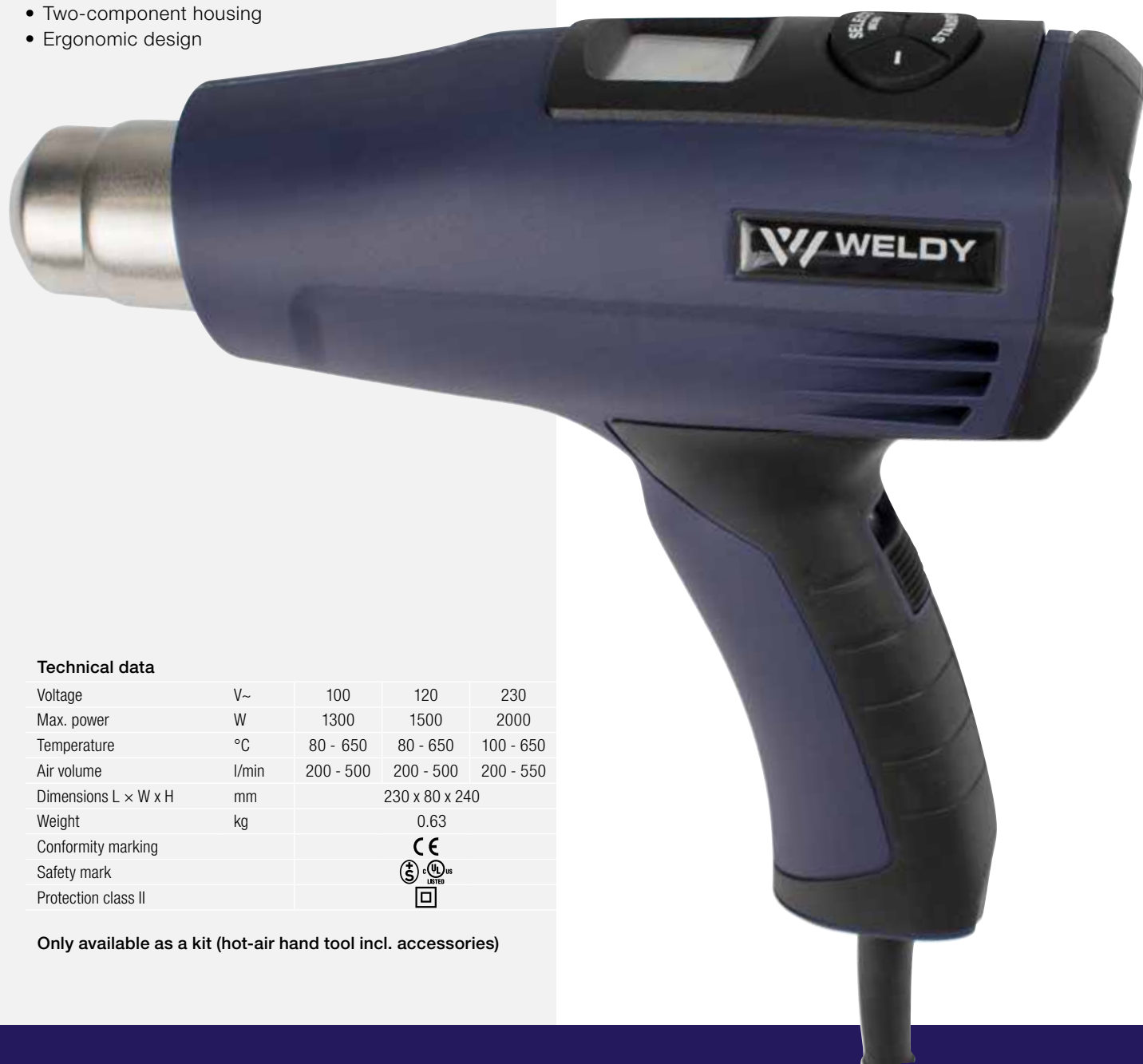
## plus-S: the hot-air hand tool for versatile and precise use

The plus-S is ideally suited for car wrapping, cable shrinking, loosening screws, ski repairs and crimping pipe flanges. The integrated display with memory function, controls 14 applications and material menus. The large LCD segment display constantly shows the current temperature and air volume setting, thereby facilitating controlled and precise work.

Hot-air hand tool

### plus-S

- Digital temperature control from 80 to 650°C
- Five-level air flow settings
- 14 work programs
- Menu in eight languages
- Standby mode
- Two-component housing
- Ergonomic design



#### Technical data

Voltage	V~	100	120	230
Max. power	W	1300	1500	2000
Temperature	°C	80 - 650	80 - 650	100 - 650
Air volume	l/min	200 - 500	200 - 500	200 - 550
Dimensions L x W x H	mm	230 x 80 x 240		
Weight	kg	0.63		
Conformity marking		CE		
Safety mark		UL1010		
Protection class II		□		

Only available as a kit (hot-air hand tool incl. accessories)





### Accessories

		
Glass protection nozzle <b>119.341</b>	Wide slot nozzle <b>119.342</b>	Reducer nozzle Ø 20 mm <b>119.343</b>
		
Reflector nozzle <b>119.344</b>	Welding nozzle <b>119.345</b>	Speed welding nozzle Ø 5 mm <b>125.315</b>
		
Overlap welding nozzle <b>119.346</b>	Solder/shrink reflector nozzle <b>119.347</b>	Pressure roller <b>119.348</b>
		
Scraper <b>119.177</b>	Scraper set <b>119.178</b>	

### Kit solutions plus-S

	Universal Kit
230 V / 2000 W, CN plug	155.731
230 V / 2000 W, EU plug	155.730
230 V / 2000 W, CH plug	155.736
230 V / 2000 W, UK plug (GB3)	156.574
230 V / 2000 W, AUS plug (2P + PE)	157.811
120 V / 1500 W, US plug, polarized (UL)	155.732
100 V / 1300 W, US plug, non-polarized (Japan)	155.733

### Accessories (included in kit)

<b>119.344</b> Reflector nozzle	•
<b>119.345</b> Welding nozzle	•
<b>119.346</b> Overlap welding nozzle	•
<b>119.347</b> Solder/shrink reflector nozzle	•
<b>119.348</b> Pressure roller	•
Plastic case	•





# Flat and pitched roofs

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## Welding machines

miniwelder roof2  
roofer RW3400

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## Hot-air hand tools

energy HT1600  
energy HT1600 D  
energy HT3400

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# miniwelder roof2: lightweight, tolerant, economical

Lightweight and easy to use. The miniwelder roof2 can be used on all pitched roofs and is ideal for all PVC and TPO inner roof membranes, up to 1 mm. The inner roof membrane does not flap when welding as the hot-wedge technology requires no blower air. Save money on toxic solvent-welding agents.

Hot-wedge welding machine

## miniwelder roof2

- Suitable for all pitched roofs, even with exceptional strain
- Ideal for prefabrication
- For thin 0.3–1 mm PVC and TPO inner roof membranes
- Can be used at both high and low outdoor temperatures
- Safe contact welding thanks to the chromium steel hot wedge
- Ergonomic guide bar
- User-friendly and weighs only 4 kg
- No expensive, toxic solvent-welding agents required

### Technical data

Voltage	V~	230
Frequency	Hz	50 / 60
Max. power	W	800
Temperature	°C	60–480
Hot wedge material		Stainless steel
Nozzle width (without test channel)	mm	40
Max. overlap	mm	80
Speed	m/min	0.4 – 7.5
Dimensions (L × W × H)	mm	228 × 228 × 170
Weight (without guide bar)	kg	4
Conformity marking		CE
Protection class I		⊕

### Delivery contents

Instruction manual, transport box, guide bar, hex wrench, cleaning brush

### Article no.

miniwelder roof2, 230V / 800W, with EU plug

158.291







### Accessories



Miniwelder guide bar  
158.720



# roofer RW3400: the compact welding machine for roofs

With the roofer RW3400, you obtain a high welding performance at a low price. The overlap welding machine is ideal for all thermoplastic membranes up to 1.8 mm. With its automatic start-up system and ease of use, the RW3400 guarantees reliable welds.

Welding machine

## roofer RW3400

- Freely-selectable speed up to 7.5m per minute
- High-performance 3400W hot-air gun for the desired temperature and air volume
- Automatic start-up system for optimal welding start
- Guide bar and handle for ergonomic use
- Integrated laser control

### Technical data

Voltage	V~	230
Max. power	W	3500
Temperature	°C	20 - 600
Welding nozzle width	mm	40
Speed	m/min	1.0 - 7.5
Dimensions (L x W x H)	mm	445 x 280 x 320
Weight (with guide bar)	kg	16
Protection class I		⚡

### Delivery contents

Instruction manual, aluminum box, guide bar, cleaning copper brush, heating elements

### Article no.

roofer RW3400, 40 mm, 230 V / 3500W, with 16 A EEC plug	145.590
roofer RW3400, 40 mm, 230 V / 3500W, with EU plug	145.450

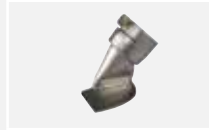
### Kit

Energy 1600 hand tool including wide slot nozzle, 20 and 40mm, and hand pressure roller	130.468
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**Accessories**



Overlap welding nozzle,  
40 mm  
123.287



Additional weight 0.6 kg  
132.028



Heating element with mica  
protection tube  
130.594











# Technical textiles industrial fabrics

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## Welding machines

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## Hot-air hand tools

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# miniwelder tex2: The expert for thin membranes

The miniwelder tex2 is ideal for thin materials. Thanks to the welder's optimized wedge geometry, the miniwelder tex2 welds 0.1 to 1.0 mm membranes perfectly. With the help of its revolutionary control system, welding start-up is child's play. The welder is simple and intuitive to use. You will be convinced by the performance of the miniwelder tex2.

Hot-wedge welding machine

## miniwelder tex2

- Lightweight (3.5 kg)
- Welding speed of up to 7.5 m per minute
- Revolutionary chainless drive technology
- Ideal for thin membranes
- Good performance at an affordable price



### Technical data

Voltage	V~	230
Frequency	Hz	50 / 60
Max. power	W	800
Temperature	°C	60–480
Hot wedge material		Chromium steel
Welding nozzle width	mm	20
Max. overlap	mm	100
Speed	m/min	0.4 - 7.5
Dimensions (L × W × H)	mm	228 × 228 × 170
Weight	kg	3.5
Conformity marking		CE
Weldable materials		HD-PE, LD-PE, PVC, TPO, FPO: 0.1 – 1.0 mm

### Delivery contents

Instruction manual, transport box, hex wrench, cleaning brush

### Article no.

miniwelder tex2, 230V / 800W, with EU plug

154.883



### Accessories



Hot wedge, 20 mm  
Chromium steel (for PVC)  
**156.668**



Hot wedge, 20 mm copper  
**156.616**



Silicone drive roller, 22  
x 50 mm, without test  
channel  
**156.818** (1 pair)



Miniwelder guide bar  
**158.720**



## foiler ETL: compact and strong

The intuitive use and automatic start of this hot air machine makes welding sheets and advertising banners easy. The integrated guide roller ensures optimal track guidance for overlap welding and hem seams. Whether the materials are thick or thin, the foiler ETL offers you perfect welding of membranes and advertising banners.

Welding machine

### foiler ETL

- Automatic start when swiveling
- Integrated guide roller
- Weld seam widths of 20 or 30 mm
- Lightweight
- Welds thick or thin membrane and advertising banners



#### Technical data

Voltage	V~	230
Max. power	W	1700
Temperature	°C	40–530
Welding nozzle width	mm	20 / 30
Speed	m/min	0.4 - 7.5
Dimensions (L × W × H) (without welding guide)	mm	445 × 280 × 320
Weight	kg	11
Protection class I		⚡

#### Delivery contents

Tool, instruction manual, (lifting device 159.531 not included in purchase price)

#### Article no.

foiler ETL, 230 V / 1700 W, 20 mm, with EU plug	141.900
foiler ETL, 230 V / 1700 W, 30 mm, with EU plug	141.901





### Accessories



Overlap welding nozzle,  
20 mm  
**123.627**



Overlap welding nozzle,  
30 mm  
**123.663**



Weight with handle 3 kg  
complete  
**131.849**



Complete guide bar  
**126.096**



Heating element with  
protective mica tube  
**123.805**



Lifting device  
**159.531**

### General accessories



Silicone pressure roller  
40 mm  
**130.611**



Silicone pressure roller  
30 mm  
**130.146**



Brass brush  
**130.612**



# foiler: the reliable hot-air machine for sheets and advertising banners

The foiler ensures simple and reliable welding of sheets and advertising banners. The weld seam width can be set to 20 or 30 mm as required. Thanks to the air volume and temperature control, you can adjust the welding settings to suit your needs. The foiler is your welding machine for individual welding applications.

Welding machine

## foiler

- Weld seam width of 20 or 30 mm as required
- Freely-selectable welding speed: up to 7.5 m per minute
- Temperature up to 530°C
- Automatic cooling function
- Process control display



### Technical data

Voltage	V~	230
Max. power	W	2100
Temperature	°C	80–530
Welding nozzle width	mm	20 / 30
Speed	m/min	1.0 - 7.5
Dimensions (L × W × H) (without welding guide)	mm	445 × 276 × 280
Weight	kg	10.8
Protection class I		⊕

### Delivery contents

Tool, instruction manual, (weight 131.849 not included in purchase price)

### Article no.

foiler, 230V / 2100W, 20 mm, with EU plug	155.831
foiler, 230V / 2100W, 30 mm, with EU plug	155.832
foiler, 230V / 2100W, 20 mm, with CN plug	132.000
foiler, 230V / 2100W, 30 mm, with CN plug	133.345



### Accessories



Overlap welding nozzle,  
20 mm  
123.627



Overlap welding nozzle,  
30 mm  
123.663



Weight with handle 3 kg  
complete  
131.849



Heating element with  
mica protection tube for  
Weldy Plus  
119.654



Lifting device  
159.531

### General accessories



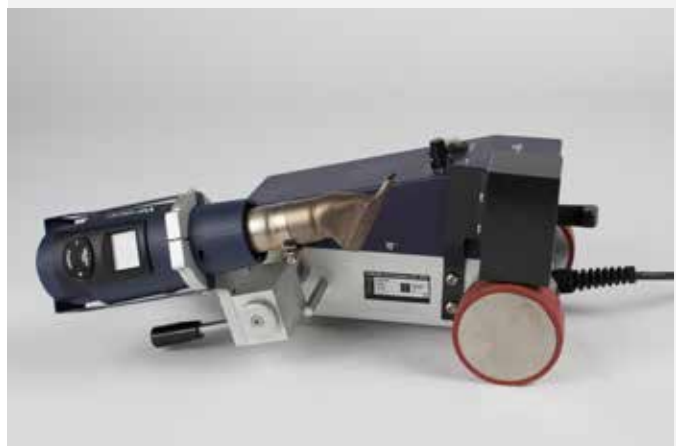
Silicone pressure roller  
40 mm  
130.611



Silicone pressure roller  
30 mm  
130.146



Brass brush  
130.612











# Civil Engineering / GEO

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## Welding machines

miniwelder geo2	42 / 43
Test needle	44
booster EX2	48 - 51
booster EX3	49 - 51

## Hot-air hand tools

energy HT1600	10 - 14
energy HT1600 D	12 - 14
energy HT3400	16 / 17

# miniwelder geo2: lightweight

This quick and lightweight welding machine is ideal for geomembranes from 0.5 to 1.5 mm thick (HDPE 0.4–1.0 mm; TPO 0.7–1.5 mm). The miniwelder geo2 can be used to weld fish farm and water tanks, in foundation sealing and many other industrial areas. The miniwelder geo2 distinguishes itself through its revolutionary drive technology and

Hot-wedge welding machine

## miniwelder geo2

- Lightweight (< 4 kg)
- Welding speed up to 7.5 m per minute
- Intuitive operation
- Revolutionary chainless drive technology
- Automatic wedge positioning



### Technical data

Voltage	V~	230
Frequency	Hz	50 / 60
Max. power	W	800
Temperature	°C	60–480
Hot wedge material		Copper
Weld width	mm	2 x 12
Max. overlap	mm	100
Speed	m/min	0.4 – 7.5
Dimensions (L x W x H)	mm	228 x 228 x 170
Weight	kg	3.9
Conformity marking		CE
Protection class I		⊕
Weldable materials		LDPE, PVC* (0.5 - 1.5 mm) TPO/FPO (0.7 - 1.5 mm) HDPE (0.4 - 1.0 mm) * PVC only with steel wedge

### Delivery contents

Instruction manual, transport box, hex wrench, cleaning brush

### Article no.

miniwelder geo2, 230V / 800W, EU plug

154.880

its intuitive use. Temperature and speed easily can be activated and deactivated by means of two buttons, and adjusted using two dials. The current process status is displayed by two LEDs.



### Accessories



Hot wedge, 56 x 36 mm,  
copper with test channel  
**156.617**



Hot wedge, 56 x 36 mm,  
with test channel, steel  
(for PVC) **156.667**



Silicone drive roller, 22 x  
50 mm, without test channel  
**156.818** (1 pair)



Drive roller, steel, 22 x 50  
mm, with test channel  
**156.164** (1 pair)



# Test needle: for the non-destructive leakage test

This robust test instrument can be used to quickly and simply test overlap weld seams for airtightness.

Test instrument

## Test needle

- Noncorrosive stainless steel
- Pressure display up to 6 bar
- Handy air pressure valve
- Sealed, enclosed air outlet
- Robust needle for demanding onsite use
- Every pressure gauge is checked prior to leaving the production facility

## Accessories



Replacement needle  
124.307



## Article no.

WELDY test needle

124.306











A man with short brown hair and a beard, wearing a black vest over a yellow and white plaid shirt, is working on a large, curved blue plastic structure. The background is a bright blue sky. The man is seen from the side, looking towards the right.

# Plastic Fabrication

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## Welding machines

booster EX2	48 - 51
booster EX3	49 - 51

## Hot-air hand tools

energy HT1600	10 - 14
energy HT1600 D	12 - 14
energy HT3400	16 / 17

## booster EX2 / booster EX3: strong

The booster plays to its strengths in plastics plants, tanks and underground engineering. It comes into its own for welding complete containers, facilities, pipe constructions or landfill sites. With the booster, you can achieve high-quality work on all common polyolefins. In contrast to the short and compact, booster EX2, the booster EX3, with a maximum output of 3.4 kg per hour, is ideal when working standing up.

Hand extruder

### booster EX2

- Motor protection with optical display
- Double-sided wire feed
- Rotating handle
- 360°-adjustable welding shoe with integrated air guide
- Additional handle that fits onto the side



#### Technical data for booster EX2

Voltage	V~	230
Max. power	W	3000
Welding wire	mm	Ø 3 / Ø 4
Material		Polyethylene, polypropylene
Output (PE/PP)	kg/h	1.5 - 2.2
Dimensions (L x W x H)	mm	500 x 140 x 430
Weight (with cable)	kg	6.4
Conformity marking		CE
Protection class II		□

#### Delivery contents

Instruction manual, transport case, T-handle, hex wrench, HDPE welding wire Ø 4 mm, carbon brush for drive motor, K8/10 welding shoe kit, heating element, brass brush

#### Article no.

booster EX2, 230V / 3000W, EU plug, kit	146.738
booster EX2, 230V / 3000W, CN plug, kit	145.589



Hand extruder

## booster EX3

- Motor protection with optical display
- Double-sided wire feed
- Rotating handle
- 360°-adjustable welding shoe with integrated air guide
- Additional handle that fits onto the side



### Technical data for booster EX3

Voltage	V~	230
Max. power	W	3000
Welding wire	mm	Ø 3 / Ø 4
Material		Polyethylene, polypropylene
Output (PE)	kg/h	2.4 - 3.4
Dimensions (L x W x H)	mm	630 x 140 x 430
Weight (with cable)	kg	6.9
Conformity mark		CE
Protection class II		□

### Delivery contents

Instruction manual, transport case, T-handle, hex socket wrench, HDPE welding wire Ø 4 mm, carbon brush for the drive motor, K8/10 welding shoe kit, heating element, brass brush

### Article no.

booster EX3, 230V / 3000W, EU plug, kit	146.917
booster EX3, 230V / 3000W, CN plug, kit	146.715

## Accessories



Heat protection  
**126.098 EX2**  
**126.099 EX3**



Welding wire HDPE,  
Ø 4 mm, black, 5 kg  
**115.366**



Welding wire PP, Ø 4 mm,  
gray/beige, 5 kg  
**115.355**



Scraper set  
**119.178**



PTFE pressure roller  
**131.693**



Heating element with  
protective mica tube  
**116.900**



## Application

	Booster EX2	Booster EX3
Tank construction	+++	++
Electroplating bath	++	+
Water tanks	+++	++
Sewage systems	+++	++
Ventilation systems	++	+
Aquaculture facilities	+++	++
Laboratory construction	++	-
Vehicle construction	+++	+++
Maritime infrastructure	+++	++
Large-scale pipes	++	+++
Leisure infrastructure / pools	+++	+
Plastic repairs	++	-
Geomembranes	+	+++





## Welding shoes



Basic welding shoe,  
complete  
**126.102**



Blank welding shoe kit  
**126.100**



Welding shoe kit  
UBL30/1.5  
**126.101**



Welding shoe kit  
K8/10  
**126.116**



Welding shoe fillet weld  
K8/10  
**126.105**



Welding shoe fillet weld  
K15  
**126.106**



Welding shoe V-weld  
V8/10-X15/20  
**124.430**



Welding shoe V-weld  
V12-X25  
**124.431**



Welding shoe V-weld  
V15-X30  
**124.432**



Welding shoe overlap TPO/  
FPO 30/1.5  
**126.103**



Welding shoe overlap  
UBL25  
**124.582**



Welding shoe overlap  
UBL30  
**124.583**



Welding shoe overlap  
UBL35  
**124.585**



Welding shoe outer corner  
weld CO15  
**124.610**



Welding shoe corner weld  
Ø14 CL 14  
**124.611**



Welding shoe corner weld  
Ø20 CS 20  
**124.628**

Dealer address: