



General Catalog






Hot air and plastic welding equipment



simple.
good.
affordable.



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
Field of activity			
Building sites (outdoor)	✓	✓	✓
Industry (indoor, continuous use)	✓	✓	✓
House & garden (indoor, short-term use)	✓	✓	✓
Applications			
Welding Roofing membranes, protective and sealing foils (overlap welding), plastic containers & joints (pull welding), repairing bumpers	***	***	
Soldering Copper piping, soldering copper sheet seams, soft soldering, desoldering electrical contact points	**	***	**
Drying Drying, dehumidifying, hardening (adhesive and putty, paint)	***	***	***
Lifting / Removing Lifting or removing protective, decorative or special membranes on a range of surfaces	*	*	**
Heating, activating 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

Applications

Cleaning

Paint, plastics, joint sealants, softening/
removing adhesive, heating and
removing adhesive film and textiles,
burning weeds

**

**

Smoothing

Smoothing / stretching leather goods
by warming the entire surface

**

Deforming

Shaping / deforming plastic profiles
(pipes, plates, etc.)

**

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Shrinking

Shrinking shrink tubes and solder
sleeves, shrinking hoses, shrink wrap-
ping objects with packaging film

Melting

Heating / liquefying bitumen roof
repairs, renovate / repair cracks and
scratches in plastic, fasten textile yarns
and rope endings

**

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Catalog page





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Field of activity and applications

						
	HG 210-B	HG 330-B	HG 330-S	HG 330-A	HG 530-S	HG 530-A
Field of activity						
Building sites (outdoor)						
Industry (indoor, continuous use)	✓	✓	✓	✓	✓	✓
House & garden (indoor, short-term use)	✓	✓	✓	✓	✓	✓
Applications						
Welding Roofing membranes, protective and sealing foils (overlap welding), plastic containers & joints (pull welding), repairing bumpers			*	**	*	**
Soldering Copper piping, soldering copper sheet seams, soft soldering, desoldering electrical contact points	*	*	**	***	**	***
Drying Drying, dehumidifying, hardening (adhesive and putty, paint)	***	***	***	***	***	***
Lifting / Removing Lifting or removing protective, decorative or special membranes on a range of surfaces	**	**	***	***	***	***
Heating, activating Lighting / stoking barbecue charcoal, warming/heating (defrosting) objects, activating special adhesive (gluing wooden edges, dressing leather), loosening blocked screws / clamps	**	**	**	***	**	***
Catalog page	 16/17	18/19	20/21	22/23	24/25	26/27

						
	HG 210-B	HG 330-B	HG 330-S	HG 330-A	HG 530-S	HG 530-A
Applications						
Cleaning Paint, plastics, joint sealants, softening/ removing adhesive, heating and removing adhesive film and textiles, burning weeds	**	**	**	***	**	***
Smoothing Smoothing / stretching leather goods by warming the entire surface	*	*	**	***	**	***
Deforming Shaping / deforming plastic profiles (pipes, plates, etc.)	**	**	**	***	**	***
Shrinking Shrinking shrink tubes and solder sleeves, shrinking hoses, shrink wrap- ping objects with packaging film	***	***	***	***	***	***
Melting Heating / liquefying bitumen roof repairs, renovate / repair cracks and scratches in plastic, fasten textile yarns and rope endings	**	**	**	***	**	***
Catalog page 	16/17	18/19	20/21	22/23	24/25	26/27

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 (20°)	l/min	240	
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, 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





**energy HT1600
kit solutions**

	Plastic welding kit	Overlap welding kit	Shrinking kit
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	120.886	120.885	

Accessories (included in kit)

130.632 Tubular nozzle \varnothing 5 mm	•		
146.740 Speed welding nozzle \varnothing 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 Spoon reflector			•
125.810 Carbon brushes for motor	•	•	•
Plastic case	•	•	•

Plastic welding kit



Overlap welding kit



Cable and foil shrinking kit



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 integrated temperature probe control, this device is particularly suitable for reproducible and process-relevant 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 (20°)	l/min	120 - 240	
Dimensions L x W (Ø handle)	mm	360 x 101 (59)	
Nozzle seat Ø	mm	31.5	
Weight	kg	1.2	
Conformity marking		CE	
Protection class II		□	

Delivery contents

Hand tool, one set replacement carbon brushes, instruction manual, 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

Accessories (included in kit)

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		•
125.810 Carbon brushes for motor	•	•
Plastic case	•	•



Plastic welding kit



Overlap welding kit

Accessories

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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
- High-performance 3400 W heat output
- Ceramic heating element
- Robust brush motor
- Ergonomic handle
- Dust filter

Technical data

Voltage	V~	230
Max. power	W	3400
Temperature	°C	40 - 650
Air volume (20°)	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, 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





**energy HT3400
kit solutions**

Universal kit

230 V / 3400 W, EU plug

130.698

230 V / 3400 W, CN plug

130.697

Accessories (included in kit)

130.633 Spoon reflector

•

130.650 Wide slot nozzle 70 mm

•

125.810 Carbon brushes for motor

•

Plastic case

•



Accessories

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HG 210-B: the handy, lightweight hot-air hand tool

With its two-stage blower and heating unit (350°C / 550°C), the reliable, easy-to-use HG 210-B 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

HG 210-B

- Two temperature settings, 350°C / 550°C
- Ease of use
- Ergonomic handle
- Lightweight
- EC-compliant



Technical data

Voltage	V~	120	230
Max. power	W	1200	1600
Temperature	°C	350/550	350/550
Air volume	l/min	250 / 400	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, cardboard tool packaging

Article no.

HG 210-B, 230 V / 1600 W, EU plug	124.148
HG 210-B, 230 V / 1600 W, CN plug	124.149
HG 210-B, 230 V / 1600 W, CH plug	124.426
HG 210-B, 230 V / 1600 W, UK plug	124.427
HG 210-B, 230 V / 1600 W, AUS plug	124.428
HG 210-B, 120 V / 1200 W, US-plug not polarized	124.785



HG 330-B: The WELDY compact hot-air blower

The high-efficiency HG 330-B hot-air blower – also known as a heat gun – has two fast temperature switching stages for selecting between 350°C and 550°C, which allows it to meet the requirements for a wide range of specialist and home improvement tasks. Whether paint and varnish removal, refreshing of plastic parts, loosening valves and fittings or defrosting pipes, thanks to its low weight and comfortable handle, the HG 330-B hot-air blower is a useful tool for various tasks that require hot air.

Hot-air hand tool

HG 330-B

- Combines efficiency with good performance
- Two fast temperature switching stages
- Reasonably priced entry-level unit for professionals and do-it-yourselfers
- Well-suited for processing plastic films and plastic profiles



Technical data

Voltage	V~	100	120	230
Max. power	W	1100	1200	1600
Temperature	°C	350 / 550	350 / 550	350 / 550
Air volume	l/min	250 / 400	250 / 400	350 / 500
Dimensions L × W × H	mm	250 × 80 × 230		
Weight	kg	0.7		
Conformity marking		CE		
Protection class II		□		

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



**HG 330-B
kit solutions**

	Universal Kit	Car Wrapping Kit (5 m cable)
230 V / 1600 W, CN plug	124.403	
230 V / 1600 W, EU plug	164.323	128.353
230 V / 1600 W, CH plug	134.690	128.619
230 V / 1600 W, UK plug	131.321	
230 V / 1600 W, AUS plug	133.771	
120 V / 1200 W, US plug, polarized (UL)	123.155	128.355
100 V / 1100 W, JP plug	120.128	
Accessories (included in kit)		
119.341 Glass protection nozzle	•	
119.344 Spoon reflector	•	
165.036 Heat protection		•
165.041 Air inlet cover set		•
Carton tool packaging	•	•
Instruction manual	•	•



Car Wrapping Kit



Universal Kit

Accessories

HG 330-S: The WELDY multi-functional hot-air blower

HG 330-S is a high-performance hot-air blower, which is also referred to as a heat gun. It is designed for many professional and home improvement tasks, with continuous rapid temperature selection between 80°C and 600°C and a two-stage blower. Whether for paint or varnish removal, mounting and shrinking plastic films, refreshing plastic parts with hot air, defrosting pipes – the HG 330-S hot-air blower makes tasks that require hot air easier thanks to high heat and blowing strength, with low weight and an ergonomic design.

Hot-air hand tool

HG 330-S

- Can be used for multiple functions
- Infinitely variable rapid temperature selection and two-stage blower
- High heat and blowing performance
- Well-suited for refreshing plastic parts, for example on or in cars



Technical data

Voltage	V~	100	120	230
Max. power	W	1200	1400	2000
Temperature	°C	80 - 600	80 - 600	80 - 600
Air volume	l/min	250 / 450	250 / 450	250 / 550
Dimensions L × W × H	mm	250 × 80 × 230		
Weight	kg	0.7		
Conformity marking		CE		
Protection class II		□		

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



HG 330-S Universal Kit

230 V / 2000 W, CN plug	124.404
230 V / 2000 W, EU plug	164.324
230 V / 2000 W, CH plug	134.691
230 V / 2000 W, UK plug	131.322
230 V / 2000 W, AUS plug	133.772
120 V / 1400 W, US plug, polarized (UL)	123.156
100 V / 1200 W, JP plug	120.129

Accessories (included in kit)

119.341 Glass protection nozzle	•
119.343 Tubular nozzle \varnothing 20 mm	•
119.344 Spoon reflector	•
Carton tool packaging	•
Instruction manual	•



Accessories

HG 330-A: The powerful WELDY hot-air blower

The HG 330-A hot-air blower, also known as a hot-air blower, is powerful and easy to operate. The convenient hot-air blower can be used for countless applications. The working temperature can be adjusted in five-degree intervals between 80°C to 650°C. Thanks to digital temperature control, the set specification temperature is fixed and remains constant – independently of the air-quantity setting and the nozzle accessory used.

Hot-air hand tool

HG 330-A

- Digital temperature control for constant operating temperature
- Suitable for numerous applications including but not restricted to the welding of plastic covers and containers as well as car wrapping
- Ergonomic handle design for easy handling
- Five configurable memory locations for temperature and air stages



Technical data

Voltage	V~	100	120	230
Max. power	W	1300	1500	2300
Temperature	°C	80 - 650	80 - 650	80 - 650
Air volume	l/min	200 - 500	200 - 500	200 - 550
Dimensions L × W × H	mm	250 × 80 × 230		
Weight	kg	0.75		
Conformity marking		CE		
Protection class II		□		

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

The handy, light hot-air blower is ideally suited for large-surface bonding on cars, foils, plastic welding work, cable shrinking, loosening screws, ski-repair work and shaping pipe flanges.



HG 330-A Universal Kit

230 V / 2300 W, CN plug	124.405
230 V / 2300 W, EU plug	164.325
230 V / 2300 W, CH plug	134.692
230 V / 2300 W, UK plug	131.323
230 V / 2300 W, AUS plug	133.773
120 V / 1500 W, US plug, polarized (UL)	123.157
100 V / 1300 W, JP plug	120.130

Accessories (included in kit)

119.343 Tubular nozzle Ø 20 mm	•
119.344 Spoon reflector	•
119.345 Tubular nozzle Ø 6 mm	•
119.346 Wide slot nozzle 25 mm	•
119.348 Pressure roller (ABS) 30 mm	•
Carton tool packaging	•
Instruction manual	•



Accessories

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HG 530-S: The multi-functional hot-air blower for professionals by WELDY

The HG 530-S is a powerful hot-air blower with quick and infinitely variable temperature selection from 80°C through 620°C for use in numerous technical and industrial applications. Example applications for which it can be used include the professional removal of paint and varnish, shrinking and expanding plastic films, and smoothing and stretching leather and other sensitive materials. Thanks to a combination of regulated heating capacity, high fan

Hot-air hand tool

HG 530-S

- Durable ceramic heating element
- Ergonomic handle design for easy handling
- Lightweight and well-balanced
- Versatile and suitable for professional applications



Technical data

Voltage	V~	100	120	230
Max. power	W	1300	1500	2000
Temperature	°C	80 - 620	80 - 620	80 - 620
Air volume	l/min	250 / 450	250 / 450	250 / 550
Dimensions L × W × H	mm	250 × 80 × 230		
Weight	kg	0.75		
Conformity marking		CE		
Protection class II		□		

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

speed, low weight, and ergonomic handle design, the HG 530-S hot-air blower is suitable for multi-functional use and makes working with hot air significantly easier.



HG 530-S Universal Kit

230 V / 2000 W, CN plug	124.406
230 V / 2000 W, EU plug	164.326
230 V / 2000 W, CH plug	134.693
230 V / 2000 W, UK plug	131.324
230 V / 2000 W, AUS plug	133.774
120 V / 1500 W, US plug, polarized (UL)	123.158
100 V / 1300 W, JP plug	120.131

Accessories (included in kit)

119.344 Spoon reflector	•
119.345 Tubular nozzle \varnothing 6 mm	•
119.346 Wide slot nozzle 25 mm	•
119.347 Solder reflector nozzle	•
119.348 Pressure roller (ABS) 30 mm	•
Carton tool packaging	•
Instruction manual	•



Accessories

HG 530-A: The powerful hot-air blower for professionals by WELDY

The HG 530-A hot-air blower is compact, lightweight, and ergonomic. Its high heating and blower capacities make it one of the strongest hot-air blowers. Infinitely variable digital temperature control keeps its operating temperature constant at between 80°C and 650°C, whatever the air quantity setting and whichever nozzle accessories are being used. The multi-functional HG 530-A hot-air blower is suitable for use in a wide variety of industrial applications including car wrapping, cable shrinking, loosening screws or fittings, etc.

Hot-air hand tool

HG 530-A

- Durable ceramic heating element
- Ergonomic handle design for easy handling
- Lightweight and well-balanced
- Versatile and suitable for professional applications



Technical data

Voltage	V~	100	120	230
Max. power	W	1300	1500	2300
Temperature	°C	80 - 650	80 - 650	80 - 650
Air volume	l/min	200 - 500	200 - 500	200 - 550
Dimensions L × W × H	mm	250 × 80 × 230		
Weight	kg	0.75		
Conformity marking		CE		
Protection class II		□		

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



Kit HG 530-A kit solutions	Universal Kit	Car Wrapping Kit (5 m cable)
230 V / 2300 W, CN plug	124.407	
230 V / 2300 W, EU plug	164.327	128.354
230 V / 2300 W, CH plug	134.694	128.620
230 V / 2300 W, UK plug	131.325	
230 V / 2300 W, AUS plug	133.775	
120 V / 1500 W, US plug, polarized (UL)	123.159	128.356
100 V / 1300 W, JP plug	120.132	
Accessories (included in kit)		
119.344 Spoon reflector	•	
119.345 Tubular nozzle Ø 6 mm	•	
119.346 Wide slot nozzle 25 mm	•	
119.347 Solder reflector nozzle	•	
119.348 Pressure roller (ABS)30 mm	•	
165.036 Heat protection		•
165.041 Air inlet cover set		•
Carton tool packaging	•	•
Instruction manual	•	•



Accessories Hot-air hand tool

Nozzles

	energy HT1600	energy HT1600D	energy HT3400	HG 210-B	HG 330-B	HG 330-S	HG 330-A / HG 530-S /	HG 530-A
 130.632 / 147.250 (reinforced) Tubular nozzle Ø 31.5 mm, Ø 5 mm, 37 mm, 15° angled	•	•						
 146.740 Speed welding nozzle Ø 8 mm, round Ø 4 mm	•	•				•		
 125.315 Speed welding nozzle Ø 8 mm, round Ø 5 mm	•	•			•	•		
 127.833 Speed welding nozzle Ø 8 mm, 7 mm triangular profile	•	•				•		
 147.248 Tacking nozzle Ø 8 mm	•	•				•		
 133.174 Smoothing nozzle Ø 8 mm	•	•				•		
 130.891 124.777 (reinforced) Wide slot nozzle Ø 31.5 mm, 40 × 2 mm, 15° angled	•	•						
 130.631 124.772 (reinforced) Wide slot nozzle Ø 31.5 mm, 20 × 2 mm, 15° angled	•	•						
 130.650 Wide slot nozzle Ø 50 mm, 70 × 10 mm, straight			•					
 119.342 Wide slot nozzle Ø 35.5, 50 × 3 mm, straight					•	•	•	
 119.341 Glass protection nozzle Ø 35.5, 50 × 5 mm, straight					•	•	•	

	energy HT1600	energy HT1600D	energy HT3400	HG 210-B	HG 330-B	HG 330-S	HG 330-A / HG 530-S /	HG 530-A
 119.343 Tubular nozzle Ø 35.5 mm, Ø 20 mm, 30 mm, straight						•	•	•
 119.345 Tubular nozzle Ø 35.5 mm, Ø 6 mm, 75 mm, straight								•
 119.346 Wide slot nozzle Ø 35.5 mm, 25 × 3 mm, 15° angled								•
 119.347 Soldering reflector Ø 35.5 mm, 13 × 5 × 10 mm								•
 119.344 Ø 35.5, 40 × 35 mm, 130.633 Ø 50.0, 60 × 55 mm Spoon reflector, 90° angled	•	•		•	•	•	•	•
 148.442 Sieve reflector Ø 31.5, 50 × 34 mm, 75° angled	•	•						

General Accessories

	energy HT1600	energy HT1600D	energy HT3400	HG 210-B	HG 330-B	HG 330-S	HG 330-A / HG 530-S /	HG 530-A
 119.177 Contour scraper	•	•	•	•	•	•	•	•
 119.178 Contour scraper set	•	•	•	•	•	•	•	•
 153.894 Quarter moon knife, 100 mm stainless steel blade, with wooden handle	•	•						
 124.336 Quarter moon knife, 100 mm stainless steel blade, with plastic handle	•	•						

		energy HT1600	energy HT1600D	energy HT3400	HG 210-B	HG 330-B	HG 330-S	HG 330-A / HG 530-S /	HG 530-A
	153.895 Leather case for crescent-shaped cutter	•	•						
	132.050 Trimming guide for 153.894 and 124.336	•	•						
	130.611 40 mm* 130.146 30 mm* * with ball bearing Pressure roller, silicone	•	•	•					
	131.693 Pressure roller 30 mm, PTFE	•	•						
	135.750 Pressure roller 6 mm, brass	•	•						
	119.348 Pressure roller (ABS) 30 mm							•	
	130.612 Brass wire brush, with wooden handle	•	•						
	154.089 Spring balancer				•				
	123.805 (230 V) 123.895 (120 V) Heating element HT1600	•	•						
	158.802 (230 V) 158.805 (120 V) Heating element HT1600 D		•	•					
	124.322 (230 V) Heating element HT3400			•					

		energy HT1600	energy HT1600D	energy HT3400	HG 210-B	HG 330-B	HG 330-S	HG 330-A / HG 530-S /	HG 530-A
	115.355 Welding wire PP, Ø 4 mm, gray, 5 kg	•	•						•
	115.366 Welding wire HDPE, Ø 4 mm, black, 5 kg	•	•						•
	119.179 PP, gray 119.180 HDPE, black 119.181 ABS, white Welding rods set, Ø 5 x 230 mm	•	•	•					•
	165.036 Heat Protection Device						•	•	•
	165.041 Air inlet cover set (2 units)						•	•	•
	126.311 Leather holster						•	•	•





Flat and pitched roofs

Welding machines

miniwelder roof2	32/33
roofer RW3400	34/35

Hot-air hand tools

energy HT1600	10/11
energy HT1600 D	12/13
energy HT3400	14/15



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 aluminum steel hot wedge
- Ergonomic guide bar
- User-friendly and weighs only 4 kg
- No expensive, toxic solvent-welding agents required

Technical data

Voltage	V~	120 / 230
Frequency	Hz	50 / 60
Max. power	W	800
Temperature	°C	60 - 480
Hot wedge material		aluminum
Hot wedge 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, 230 V / 800 W, with EU plug	158.291
miniwelder roof2, 120 V / 800 W, with US plug	125.505





Accessories



158.977 (230 V)
151.958 (120 V)
Hot wedge, 40 mm
Chromium steel (for PVC)



158.976 (230 V)
151.957 (120 V)
Hot wedge, 40 mm copper



158.720
Miniwelder guide bar
Chromium steel (for PVC)



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
Weld seam 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	120.882
---	---------



Accessories



123.287
Overlap welding nozzle,
40 mm



132.028
Additional weight 0.6 kg



130.594
Heating element with pro-
tective mica tube







Technical textiles industrial fabrics

Welding machines

miniwelder tex1	38/39
miniwelder tex2	40/41
foiler ETL	42/43
foiler	44/45

Hot-air hand tools

energy HT1600	10/11
energy HT1600 D	12/13
energy HT3400	14/15
HG 210-B	16/17
HG 330-B	18/19
HG 330-S	20/21
HG 330-A	22/23
HG 530-S	24/25
HG 530-A	26/27

miniwelder tex1: Superlight welder for thin membranes

miniwelder tex1, the solution for welding thin films. Thanks to the innovative ball wedge, the miniwelder tex1 is suitable for almost any foil or membrane from 0.05 - 1.0 mm.

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 tex1.

Hot-wedge welding machine

miniwelder tex1

- Lightweight (3.5 kg)
- Welding speed of up to 7.5 m per minute
- Revolutionary chainless drive technology
- Innovative ball wedge for very thin foils from 0.05 - 1.0 mm
- Good performance at an affordable price



Technical data

Voltage	V~	230
Frequency	Hz	50/60
Max. power	W	300
Temperature	°C	60 - 480
Hot wedge material		Aluminium, hard ematalized
Hot wedge width	mm	15
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	3.5
Conformity marking		CE
Weldable materials		PE, PVC, TPO, PP 0.05 - 1.0 mm

Delivery contents

Instruction manual, transport box, hex wrench, cleaning brush

Article no.

miniwelder tex1, 230V/300W, with EU plug

125.666



156.563
Heating wedge complete,
15 mm, aluminium



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



158.720
Miniwelder guide bar



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		Stainless steel/copper
Weld seam width	mm	20
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	3.5
Conformity marking		CE
Weldable materials		PE, PVC, TPO, PP 0.1 - 1.0 mm

Delivery contents

Instruction manual, transport box, hex wrench, cleaning brush

Article no.

miniwelder tex2, 230V/800W (stainless steel for PVC), EU plug	154.883
miniwelder tex2, 230V/800W CU (copper), EU-plug	154.885



Accessories



156.668 (230 V)
Hot wedge, 20 mm
Stainless steel (for PVC)



156.616 (230 V)
Hot wedge, 20 mm copper



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



158.720
Miniwelder guide bar



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
Weld seam 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



123.627
Overlap welding nozzle,
20 mm



123.663
Overlap welding nozzle,
30 mm



131.849
Weight with handle 3 kg
complete



126.096
Complete guide bar



123.805
Heating element with
protective mica tube



159.531
Lifting device

General accessories



130.611
Silicone pressure roller
40 mm



130.146
Silicone pressure roller
30 mm



130.612
Brass brush



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
Weld seam 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



123.627
Overlap welding nozzle,
20 mm



123.663
Overlap welding nozzle,
30 mm



131.849
Weight with handle 3 kg
complete



119.654
Heating element with
protective mica tube for
Weldy Plus



159.531
Lifting device

General accessories



130.611
Silicone pressure roller
40 mm



130.146
Silicone pressure roller
30 mm



130.612
Brass brush
30 mm







Civil Engineering / GEO

Welding machines

miniwelder geo2	48/49
Test needle	50
booster EX2	54–57
booster EX3	55–57

Hot-air hand tools

energy HT1600	10/11
energy HT1600 D	12/13
energy HT3400	14/15

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~	120 / 230
Frequency	Hz	50 / 60
Max. power	W	800
Temperature	°C	60 - 480
Hot wedge material		Copper / Chrome steel
Weld seam width	mm	2 × 12
Max. overlap	mm	100
Speed	m/min	0.4 - 7.5
Dimensions (L × W × H)	mm	228 × 228 × 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, 230 V / 800 W, Copper, EU plug	154.880
miniwelder geo2, 230 V / 800 W, FE Chrome steel, EU plug	154.884
miniwelder geo2, 120 V / 800 W, Copper, US plug	125.503

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



156.617 (230 V)
156.204 (120V)
Hot wedge, 56 × 36 mm,
copper with test channel



156.667 (230 V)
156.205 (120 V)
Hot wedge, 56 × 36 mm,
with test channel, steel
(for PVC)



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



156.164
Drive roller, steel,
22 × 36 mm, with test
channel (1 pair)



158.720
Miniwelder guide bar



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



124.307
Replacement needle

Article no.

WELDY test needle

124.306







A man with short brown hair and a beard, wearing a yellow and white plaid shirt under a dark brown vest, is working on a large, curved blue plastic structure. The background is a bright blue sky with some white clouds. The man is looking down at his work.

Plastic Fabrication

Welding machines

booster EX2	54
booster EX3	55
Accessories	56/57

Hot-air hand tools

energy HT1600	10/11
energy HT1600 D	12/13
energy HT3400	14/15

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° rotating welding shoes
- 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		HD-PE , LD-PE , LLD-PE , PP
Max. material output	kg/h	2.5
Dimensions (L × W × H)	mm	500 × 140 × 380
Weight	kg	6.4
Conformity marking		CE
Protection class II		□

Delivery contents kit

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

Delivery contents CN set

Instruction manual, transport case, T-handle hex wrench, carbon brush for drive motor, brass brush

Article no.

booster EX2, 230 V/3000 W, EU plug, kit	146.738
booster EX2, 230 V/3000 W, EU plug, CN set	145.934

Hand extruder

booster EX3

- Only 6.9 kg / 15.2 lbs heavy
- CE Conformity marking
- Ergonomic rotary handle
- High-quality barrel extruder
- Easy to operate



Technical data for booster EX3

Voltage	V~	230
Max. power	W	3000
Welding wire	mm	Ø 3 / Ø 4
Material		HD-PE , LD-PE , LLD-PE , PP
Max. material output	kg/h	3.4
Dimensions (L × W × H)	mm	630 × 140 × 380
Weight	kg	6.9
Conformity mark		CE
Protection class II		□

Delivery contents kit

Instruction manual, transport case, T-handle hex socket wrench, carbon brush for the drive motor, UBL30/1.5 welding shoe kit, heating element, brass brush

Delivery contents CN set

Instruction manual, transport case, T-handle hex socket wrench, carbon brush for the drive motor, brass brush

Article no.

booster EX3, 230V/3000W, EU plug, kit	146.917
booster EX3, 230V/3000W, EU plug, CN set	145.936

Accessories



Accessories



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



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



119.178
Scraper set



131.693
PTFE pressure roller



116.900
Heating element with pro-
tective mica tube, 2-pin



170.652
Heating element with pro-
tective mica tube, 3-pin



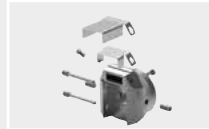
Application

	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



126.102
Basic welding shoe,
complete



126.100
Blank welding shoe kit



126.101
Welding shoe kit
UBL30/1.5



126.116
Welding shoe kit
K8/10



126.105
Welding shoe fillet weld
K8/10



126.106
Welding shoe fillet weld
K15



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



124.431
Welding shoe V-weld
V12-X25



124.432
Welding shoe V-weld
V15-X30



124.582
Welding shoe overlap
UBL25



124.583
Welding shoe overlap
UBL30



124.585
Welding shoe overlap
UBL35



124.610
Welding shoe outer corner
weld C015



124.611
Welding shoe corner weld
Ø 14 CL 14



124.628
Welding shoe corner weld
Ø 20 CS 20

Dealer address: