

General Catalog






Hot air and plastic welding equipment

2018 / 19



simple.
good.
affordable.



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Hot-air hand tools

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Field of activity and applications

								
	energy HT1600	energy HT1600 D	energy HT3400	HG 210-B	pic	pro	plus-S	
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	HG 210-B	pic	pro	plus-S
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	**	**	***	**	**	**	***
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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 (20°)	l/min	240	
Dimensions L × W (Ø handle)	mm	346 × 101 (59)	
Nozzle seat Ø	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	Cable and foil 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 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			•
125.810 Carbon brushes for motor	•	•	•
Plastic case	•	•	•



Plastic welding kit



Overlap welding kit



Cable and foil shrinking kit

Accessories

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 Reflector nozzle	•	•
Plastic case	•	•



Plastic welding kit



Overlap welding kit

Accessories

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 Reflector nozzle	•
130.650 Wide slot nozzle 70 mm	•
125.810 Carbon brushes for motor	•
Plastic case	•



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 x W x H	mm	235 x 80 x 245	235 x 80 x 245
Weight	kg	0.5	0.5
Conformity marking		CE	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



pic: the compact hot-air hand tool

Whether paint removal, wire wrapping shrinking, tapping or defrosting of pipes: The pic is easy to handle thanks to its two fixed temperature switching stages and is ideal for home improvement or quick, occasional professional work. The low weight and the ergonomic handle make work easier.

Hot-air hand tool

pic

- Two temperature settings, 350°C / 500°C
- Two-stage air volume setting
- Optimized weight distribution
- Resistant and robust tool body
- Non-slip handle



Technical data

Voltage	V~	100	120	230
Max. power	W	1100	1200	1600
Temperature	°C	350/500	350/500	350/500
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, 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



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)	
119.342 Wide slot nozzle	•
119.344 Reflector nozzle	•
Plastic case	•



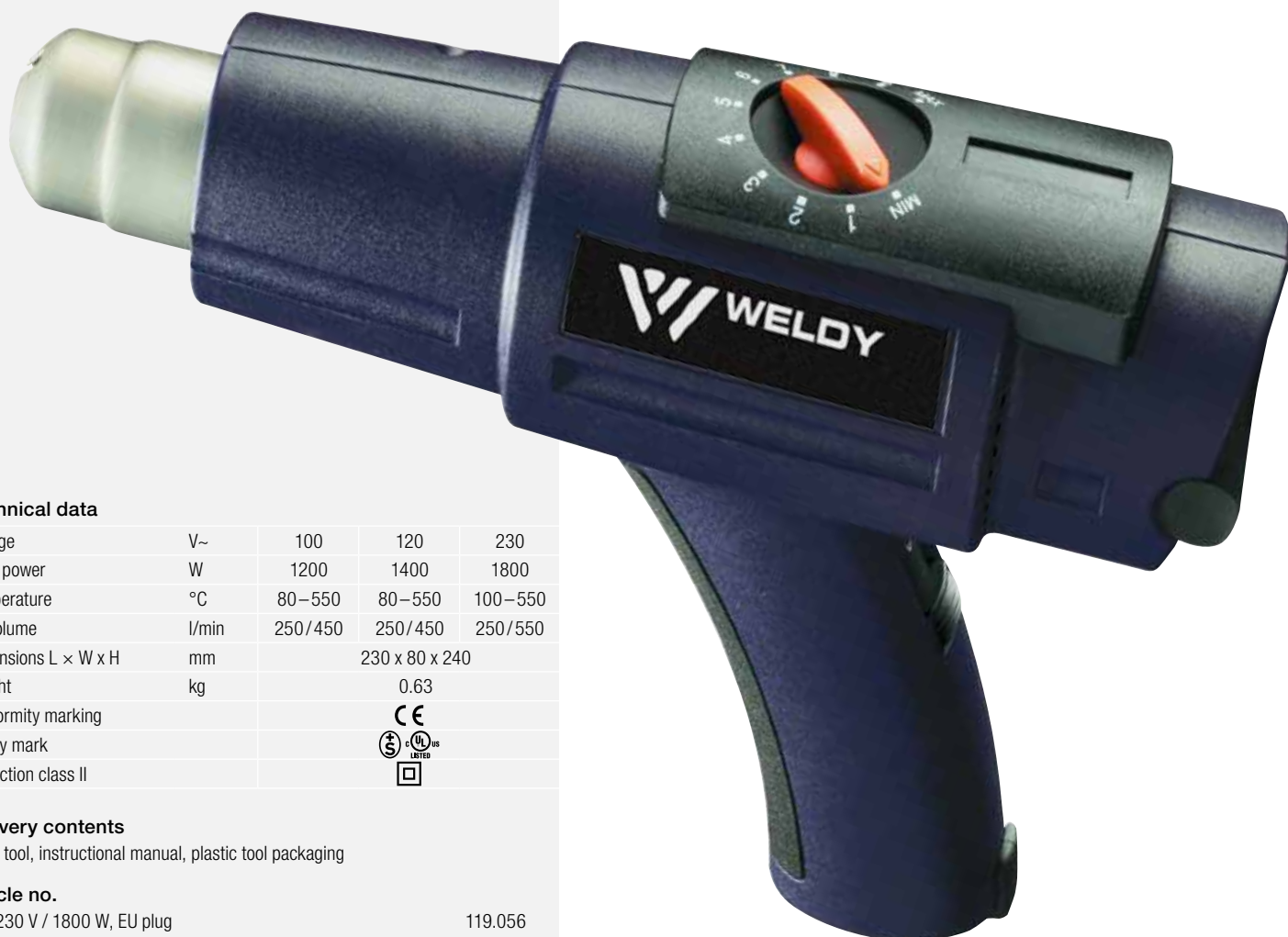
pro: the multi-functional hot-air hand tool

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 x W x 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, 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



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)	
119.341 Glass protection nozzle	•
119.343 Reducer nozzle ø 20 mm	•
119.344 Reflector nozzle	•
Plastic case	•



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		S		
Protection class II		□		


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



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

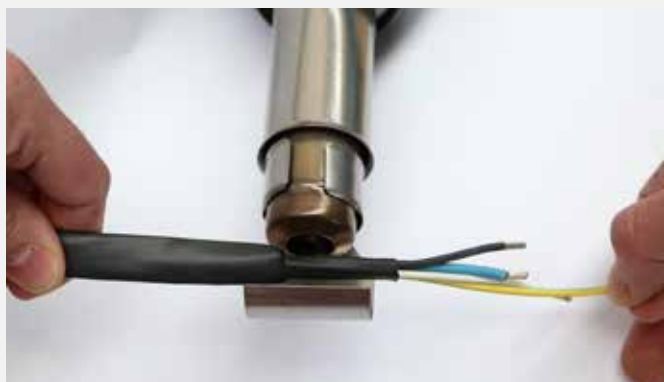


Accessories Hot-air hand tool

		energy HT1600	energy HT1600D	energy HT3400	HG 210-B	pic	pro	plus-S			energy HT1600	energy HT1600D	energy HT3400	HG 210-B	pic	pro	plus-S
	130.632 / 147.250 (reinforced) Tubular nozzle Ø 31.5 mm, Ø 5 mm, 37 mm, 15° angled, suitable for speed welding nozzle	•	•														
	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 Swan neck nozzle	•	•					•									
	130.891 124.777 (reinforced) Wide slot nozzle Ø 31.5 mm, 40 x 2 mm, 15° angled	•	•														
	130.631 124.772 (reinforced) Wide slot nozzle Ø 31.5 mm, 20 x 2 mm, 15° angled	•	•														
	130.650 Wide slot nozzle Ø 50 mm, 70 x 10 mm straight			•													
	119.342 Wide slot nozzle						•	•	•								
	119.341 Glass protection nozzle						•	•	•								
	119.343 Reducer nozzle Ø 20 mm															•	•
	119.345 Welding nozzle																•
	119.346 Overlap welding nozzle																•
	119.347 Solder/shrink reflector nozzle																•
	119.344 130.633 Reflector nozzle	•	•		•	•	•	•									
	148.442 Sieve reflector Ø 31.5 mm, 34 x 50 mm, 78° angled	•	•														
	119.177 Scraper	•	•	•	•	•	•	•									
	119.178 Scraper set	•	•	•	•	•	•	•									
	153.894 Crescent-shaped cutter with wooden handle	•	•														
	124.336 Crescent-shaped cutter	•	•														
	153.895 Leather case for crescent- shaped cutter	•	•														

		energy HT1600	energy HT1600D	energy HT3400	HG 210-B	plc	pro	plus-S
	132.050 Trimmer	•	•					
	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, brass	•	•					
	119.348 Pressure roller							•
	130.612 Brass brush	•	•					
	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	plc	pro	plus-S
	115.355 Welding wire PP, Ø 4 mm, gray/ beige, 5 kg	•	•					•
	115.366 Welding wire HDPE, Ø 4 mm, black, 5 kg	•	•					•
	119.179 PP, black 119.180 HDPE, black 119.181 ABS, white Welding rods set, Ø 5 x 230 mm	•	•	•	•	•	•	•







Flat and pitched roofs

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 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



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

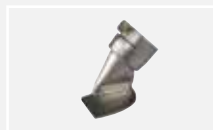
Kit

Energy 1600 hand tool including wide slot nozzle, 20 and 40mm, and hand pressure roller	120.882
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Accessories



123.287
Overlap welding nozzle,
40 mm



132.028
Additional weight 0.6 kg



130.594
Heating element with mica
protection tube







Technical textiles industrial fabrics

Welding machines

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foiler ETL	36 / 37
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Hot-air hand tools

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energy HT1600 D	10 / 11
energy HT3400	12 / 13
HG 210-B	14 / 15
pic	16 / 17
pro	18 / 19
plus-S	20 / 21

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~	120 / 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 × W × H)	mm	228 × 228 × 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 x 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~	120 / 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 × W × H)	mm	228 × 228 × 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
miniwelder tex2, 1200V/800W (stainless steel for PVC), US plug	125.504



Accessories



156.668 (230 V)
159.518 (120 V)
Hot wedge, 20 mm
Chromium steel (for PVC)



156.616 (230 V)
159.517 (120 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
30 mm



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
mica protection tube for
Weldy Plus



159.531
Lifting device

General accessories



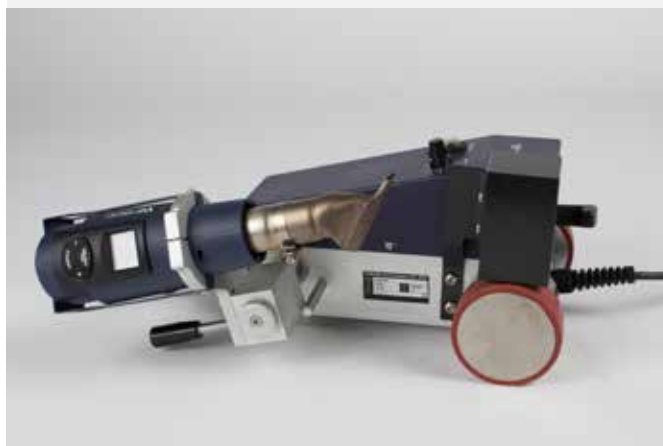
130.611
Silicone pressure roller
40 mm



130.146
Silicone pressure roller
30 mm



130.612
Brass brush
30 mm







Civil Engineering / GEO

Welding machines

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

Hot-air hand tools

energy HT1600	8 / 9
energy HT1600 D	10 / 11
energy HT3400	12 / 13

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 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, 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 x 36 mm,
copper with test channel



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



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



156.164
Drive roller, steel,
22 x 50 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	48
booster EX3	49
Accessories	50 - 51

Hot-air hand tools

energy HT1600	8 / 9
energy HT1600 D	10 / 11
energy HT3400	12 / 13

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

Accessories



Accessories



126.098 EX2
126.099 EX3
Heat protection



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
protective mica tube



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



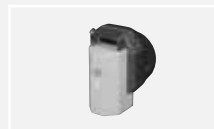
126.102
Basic welding shoe,
complete



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



126.103
Welding shoe overlap TPO/
FPO 30/1.5



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: