

FORSTHOFF



HOT AIR WELDING GUNS

AUTOMATIC WELDING MACHINES

HOT AIR TOOLS

ACCESSORIES

QUICK-L-ELECTRONIC



A wide range of accessories enable QUICK-L-electronic to be used in diverse branches of industry.

Here are just a few examples:

- Flooring installation
- Welding of roof coverings
- Truck tarpaulin and awning industry
- Tank construction and plastics processing industry
- Building and construction industry
- Leisure industry
- Motor vehicle manufacturers

The QUICK-L-electronic is our newest generation of handy, light, tried and tested hot air welding tools

- The QUICK-L-electronic hot air welding tool features a very small handle for ease of use. A high heating capacity of 1500 W, 230 V and low weight make it ideal for professional and fatigueless welding.
- The tool also features a cold setting without heating preset adjustment.
- The commutator brushes can be replaced several times, enabling continuous tool use. Brush replacement is easy from the outside without having to open the tool.
- The air-cooled basic nozzle fits a wide range of nozzle forms.

QUICK-L-ELECTRONIC



The QUICK-L-electronic hand-held welding tool can also be provided with a threaded/push on nozzle and screw-type speed welding nozzle system.



For welding all thermoplastic materials
For welding truck tarpaulins, tents, awnings and roof coverings
For forming and shrinking
For soldering pipes and fittings

Technical data

Type: Quick-L-electronic
Voltage: 230 V, 50/60 Hz or 120 V, 50/60 Hz
Heating capacity: 1500 W, 230 V or 1300 W, 120 V
Temperature: 20–700 °C, infinitely variable
Weight: 1200 g with 3 m connecting cable
Kite marks:



QUICK-L

The QUICK-L tarpaulin welding tool with diverse accessories for welding tarpaulins, tents and awning materials.

The handy, light and easy to use hot air welding tool for tarpaulin processors

- As a modification of the tried and tested QUICK-L-electronic, instead of the familiar infinite temperature setting, the QUICK-L features two permanent heat settings with additional cold setting.
- As tarpaulin, tent and awning welding often take place using one type of material in one welding width, this tool with heat settings is ideal for the professional processor.
- The tool heating capacity can be adapted to 20 or 40 mm wide push-on nozzles as required by tarpaulin manufacturers.

Heating capacity in conjunction with flat nozzle 20 mm: 900 W, 230 V

Heating capacity in conjunction with flat nozzle 40 mm: 1500 W, 230 V

Technical data

Type:	Quick-L ☐
Voltage:	230 V, 50/60 Hz or 120 V, 50/60 Hz
Heating capacity:	depending on push-on nozzle 900 W, 230 V or 1500 W, 230V
Temperature:	selectable in two permanent heat settings
Weight:	1200 g with 3 m connecting cable
Kite marks:	



ROBUST-L

The handy, light and uncomplicated hand-held welding tool for the tarpaulin industry

- This tool features only one permanent heat setting with additional cold setting, making it a low-cost tarpaulin welding tool for automobile upholsterers.
- The tarpaulin processor is able to weld with a constant heating capacity with all the advantages of professional and fatigueless welding thanks to the ergonomic tool handle and tried and tested industry quality.
- Like all FORSTHOFF hand-held welding tools with integrated blower, the commutator brushes of the Robust-L are easy to change from the outside without having to open the tool.
- The tool heating capacity can be adapted to 20 or 40 mm wide push-on nozzles as required by tarpaulin manufacturers.

The Robust-L hot air welding tool with tarpaulin material welding accessories.



Technical data

Type:	Robust-L <input type="checkbox"/>
Voltage:	230 V, 50/60 Hz or 120 V, 50/60 Hz
Heating capacity:	depending on push-on nozzle 900 W, 230 V or 1500 W, 230 V
Temperature:	selectable at maximum capacity
Weight:	1200 g with 3 m connecting cable

Kite marks:



MINI-ELECTRONIC

The compact and light hot air welding gun

- The totally insulated MINI-electronic welding gun is ideal for plastic processors and tank constructors due to its light weight and handiness.
- The heating capacity of 1500 W, 230 V is infinitely variable from 20 to 700 °C and is kept constant electronically. The required air supply can be individually regulated via an additional control.
- The gun requires an external air supply, e. g. side channel compressor, blower or compressor. Also available is a handy, transportable hand-held blower for providing an air supply on building sites and outdoors.



The welding gun can also be provided with an M 10 threaded push-on nozzle if required. This push-on nozzle enables screw-type speed welding nozzles to be fitted for use in plastic and tank construction, where it is widely used due to its stability.

MINI-ELECTRONIC



The MINI-electronic welding gun can be fitted with numerous accessories for welding plastic sheeting, pipes, fittings and tanks. The additional hand-held blower provides the necessary air supply on building sites.



Technical data

Type:	MINI-electronic ☐
Voltage:	230 V, 50/60 Hz or 120 V, 50/60 Hz
Heating capacity:	1500 W, 230 V or 1300 W, 120 V
Temperature:	20–700 °C, infinitely variable
Air requirements:	80–250 ltrs/min.

HOT-AIR 3000



Extensive accessories round off the applications of the HOT-AIR 3000 for welding heavy-duty sheeting and tarpaulins.



The handy and extremely powerful hot air welding tool

- Powerful and efficient welding of roof coverings, waste dump sheeting, pond sheeting and heavy-duty tarpaulins.
- Suitable for use in the automobile industry for drying out filler and for the activation of plastic parts.
- Extremely high heating capacity of either 2600 W or 3000 W variable up to 700 °C. For cooling purposes, the tool features an additional cold setting.
- Despite its robust design and efficiency, the HOT-AIR 3000 weighs only 1360 g with 3 m of connecting cable; this is a modern tool that is used widely in professional industrial applications.

The powerful hot air blower for trade and industry

- The GRAND-L-electronic hot air blower is used wherever hot air is needed for warming, heating, forming, shrinking and activation.
- The heating capacity of either 2600 W or 3000 W, 230 V is variable from room temperature up to 650 °C. The tool also features an additional cold setting without heating preset adjustment. The air flow rate is 450 litre/minute depending on nozzle.
- The air flow can be varied by means of diverse push-on nozzles for numerous applications.
- The handle of the integrated blower is ergonomic and small. The collector brushes are easy to change from the outside without having to open the tool, enabling continuous use.
- The GRAND-L-electronic weighs only 1360 g with 3 m connecting cable, making it suitable as a hand-held tool for installation in diverse machines.



In the painting and decorating industry, the air flow of the GRAND-L-electronic can be centered with a push-on wide slot nozzle to remove old paint and varnish.



FORPLAST®-P AUTOMATIC HOT AIR WELDING MACHINE

The efficient and manoeuvrable automatic hot air welding machine for truck tarpaulin processors

- The FORPLAST-P automatic welding machine is a powerful tool for welding truck tarpaulins, tents and awning materials. It produces overlap welds of either 20 or 45 mm and can also be supplied as or converted to an automatic welding machine for webbing tapes on request.
- The heating capacity of 3300 W, 230V AC is electronically variable between 20 and 700 °C to suit various materials.
- The automatic welding machine starts automatically when the welding head is moved into position.
- An additional cold setting cools the blower after use without having to alter the preset temperature.
- Variable speed from 0–19 m/min. ensures an optimum welding result. 3-point surface contact of the machine ensures that pressure is evenly distributed over the tarpaulin.

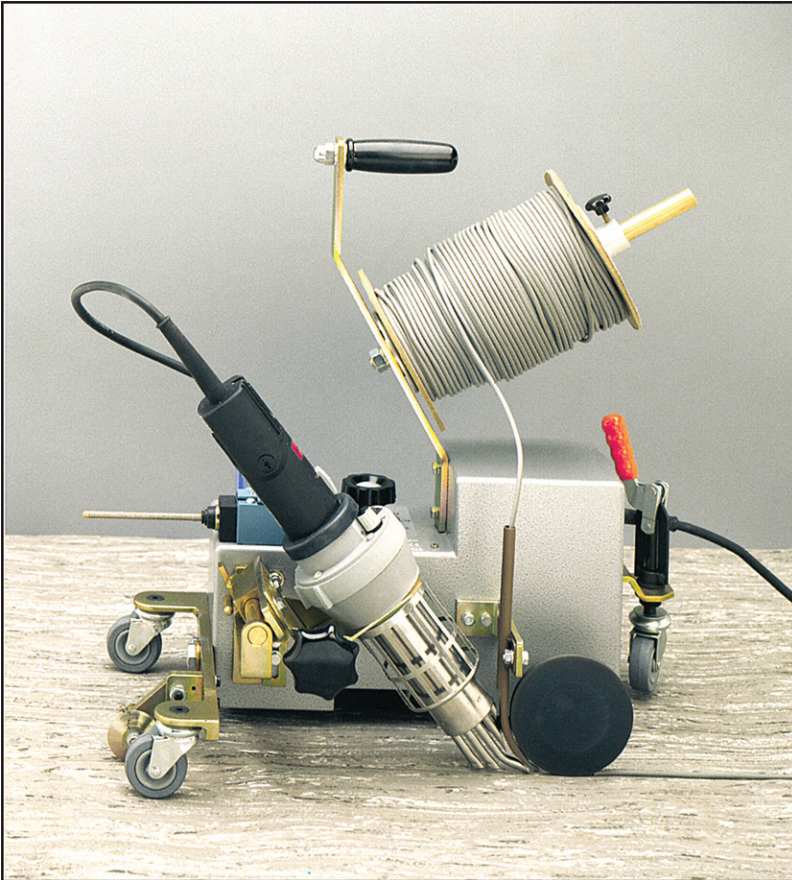


Welding speeds

Tarpaulins:	6– 8 m/min.
Webbing tapes:	3– 4 m/min.
Lattice foils:	10–12 m/min.



FORPLAST®-F AUTOMATIC HOT AIR WELDING MACHINE



Welding speeds

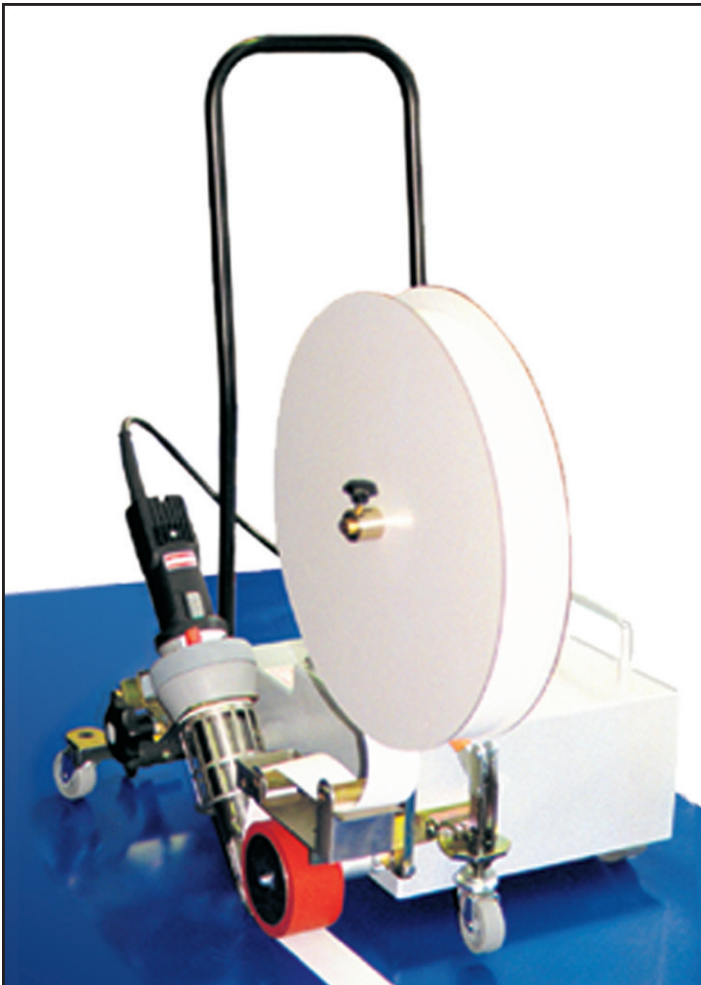
PVC flooring: 9–12 m/min
Linoleum: 5– 7 m/min.



The optimal automatic welding machine for flooring fitters

- The FORPLAST-F automatic welding machine is suitable for welding both PVC floor coverings as well as fusion welding and sealing of linoleum.
- The heating capacity of 3000 W, 230V AC is electronically variable between 20 and 700 °C. The machine features infinite speed variation from 0–19 m/min. to suit various materials.
- Precise uncoiling of the welding wire is ensured by means of a high-temperature resistant coating on the pressure roller and wire guide. The universal uncoiler fits all standard wire spools.
- The machine is fully equipped for welding and also features an automatic cut-out facility.
- The machine starts automatically when the welding head is moved into position.
- 3-point surface contact of the machine housing ensures precise movement.

FORPLAST®-B AUTOMATIC WELDING MACHINE FOR WEBBING TAPES



Welding speed

Webbing tapes: 3–4 m/min.



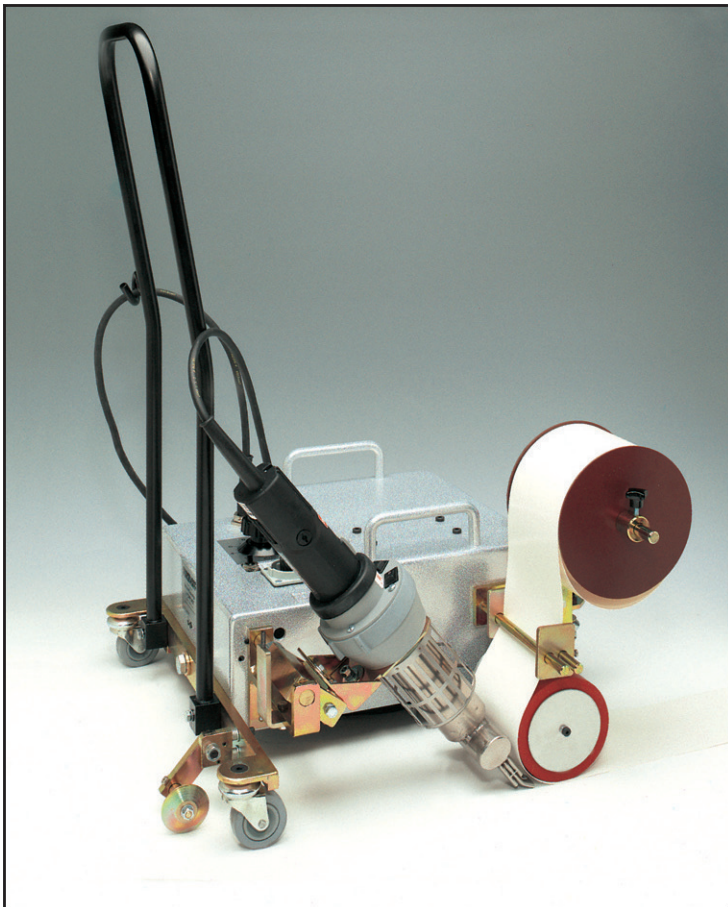
The powerful automatic welding machine for webbing tapes for the tarpaulin industry

- The FORPLAST-B automatic welding machine is a powerful machine for 50 mm webbing tapes.
- The automatic hot air welding machine has a heating capacity of 4000 W, 230V AC and is electronically variable up to 700 °C. The drive unit features a powerful motor and heavy-duty housing for maximum speed and pressure. The machine starts automatically when the welding head is moved into position.
- The machine housing is supported at three points to compensate for any unevenness of surface to be welded.
- The speed is infinitely variable to suit different materials.

FORPLAST® REINFORCEMENT TAPE WELDING MACHINE

The automatic hot air welding machine for welding reinforcement tapes to truck tarpaulins

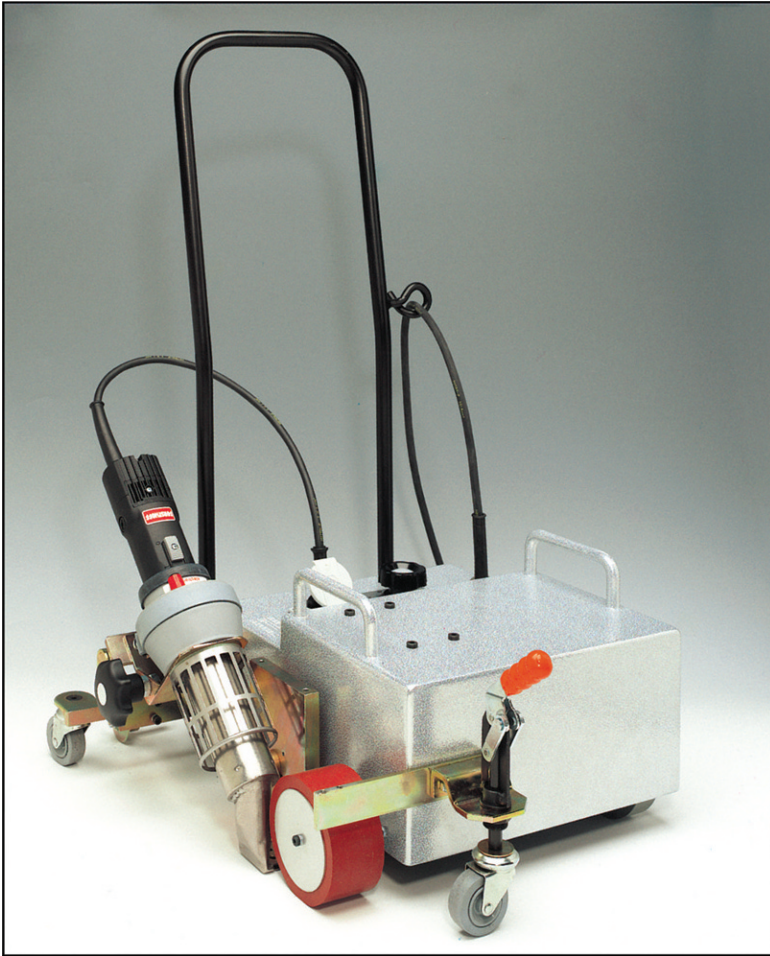
- The FORPLAST automatic reinforcement welding machine is designed for welding 100, 125 or 150 mm wide reinforcement tapes to truck tarpaulins.
- The double nozzle welds both sides of 15–20 mm wide reinforcement tapes, depending on the width of the reinforcement tape. At a welding speed of 4–5 m/min, the full heating capacity of the welding unit of 3500 W, 230 V AC is utilised.
- During the welding process, the machine levels out any minor surface unevenness. The high pressure exerted on the reinforcement strip results from the design of the moving pendulum roller.



Technical data

Type:	FORPLAST reinforcement tape welding machine
Power supply:	230 V AC, 50 Hz
Heating capacity:	3500 W, three heat settings
	7 m rubber-insulated connecting cable with earthing pin plug

FORPLAST® AUTOMATIC WELDING MACHINE



Due to its compact housing, this FORPLAST automatic welding machine is designed for heavy-duty tarpaulins, sheeting and roof coverings.



Powerful and robust overlap welding machine for heavy-duty plastic tarpaulins and roof sheeting

- The FORPLAST automatic hot air welding machine has a powerful drive motor and very compact housing, making it suitable for heavy-duty tarpaulins and sheeting. Roof sheeting can be efficiently welded to uneven surfaces due to the 3-point surface contact of the housing. The heating capacity of 3300 W, 230V AC is infinitely variable up to 650 °C with infinite speed variation to suit different welding materials.
- The holding-down unit on the side of the housing prevents tarpaulin distortion.
- The machine starts automatically when the welding head is moved into position and produces 45 mm wide overlap welds.

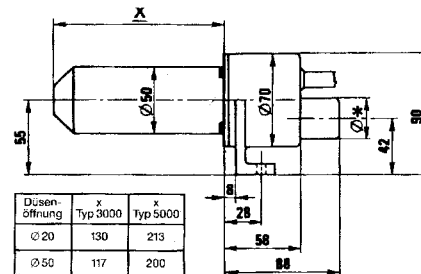
HOT AIR TOOLS TYPE 3000 AND 5000

The uncomplicated and robust hot air tools for a wide range of applications

- Hot air tool types 3000 and 5000 can be used for a wide range of applications in conveyor belts and machines. The hot air generated is used for shrinking, drying and performing.
- These air tools have settings and are available with various heating capacities in 230 V or 400 V 3 AC up to maximum 650 °C.
- Types 3000 and 5000 require an external air supply with blower, side channel compressor or compressor. The necessary air flow rate is 500–1500 litres per minute, depending on the particular nozzle.
- The air flow can be concentrated and varied with different push-on nozzles to suit different applications.



Type 3000/5000



Type 3000

Voltage

230 V AC or 400 V 3 AC

Available heating elements:

in 230 V

700 + 1200 W, 800 + 1400 W

1200 + 1800 W, 800 + 800 W

in 230 V or 400 V 3 AC

3 x 600 W, 3 x 800 W

3 x 1000 W, 3 x 1200 W

Type 5000

Voltage

230 V AC or 400 V 3 AC

Available heating elements:

in 230 V AC

2200 W + 2800 W

in 230 V or 400 V 3AC

3 x 1000 W, 3 x 1700 W

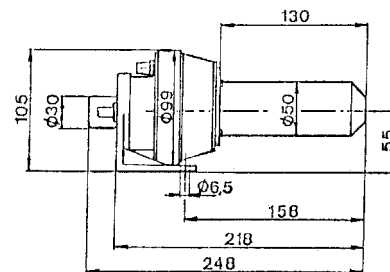
3 x 2000 W, 3 x 2500 W



HOT AIR TOOL TYPE 3000-E



Type 3000-E



Type 3000-E 230V AC

3 selectable heat settings

Heating element:

No. 3060, 3000 W, 230 V

Type 3000-E

Electronically controlled

Available in 230 V or 400 V

Heating element:

No. 3060, 3000 W, 230 V

No. 3061, 3000 W, 400 V



The modern hot air tool for numerous applications

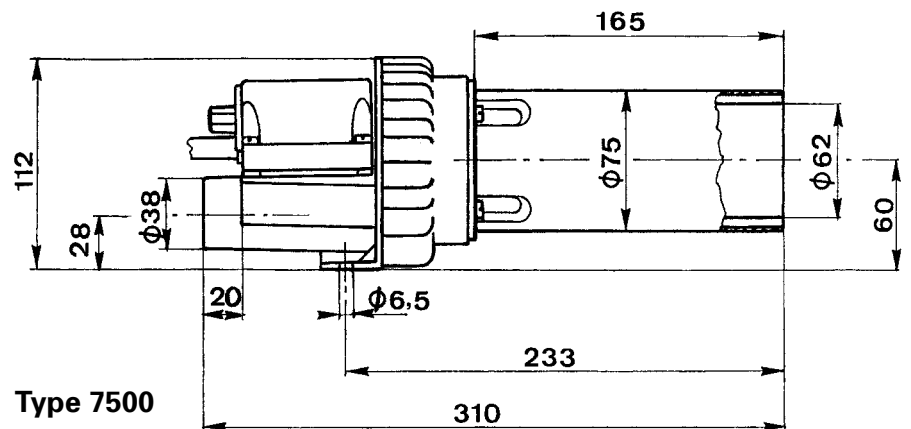
- The hot air tool type 3000-E is available in two versions: with three selectable heat settings in 230 V AC and as an electronic version with infinite temperature setting in 230 V AC or a 400 V three-phase version.
- The heating capacity is 3000 W and reaches a maximum temperature of 700 °C.
- The hot air tool type 3000-E is connected to an external air supply and is therefore suitable for continuous duty. The hot air tools are installed on conveyor belts and in machines and are also used in heating ducts and various apparatus.
- Diverse push-on nozzles are available for different applications.



HOT AIR TOOL TYPE 7500

The „Flagship“ of our hot air tools

- The powerful hot air tool type 7500 is suitable for installation in machines, apparatus, heating ducts and conveyor belts due to its robust and compact design.
- The heating capacity of either 5000 W or 7500 W is electronically controlled and infinitely variable. This hot air tool is also available without electronics. The maximum temperature is 700 °C.
- Like all our hot air tools, the type 7500 is operated with external air supply, requires virtually no maintenance and is suitable for continuous duty.
- Wide slot nozzles up to 300 mm are available for adapting the air flow to suit individual applications.



Type 7500



Available types:

Art. No. 6000
type 7500 with 5000 W
heating capacity 230–240 V

Art. No. 6002
type 7500 with 5000 W
heating capacity 380–440 V

Art. No. 6004
type 7500 with 7500 W
heating capacity 380–440 V

Art.-No. Article



QUICK-L (electronic)



QUICK-L



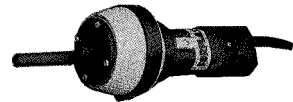
Robust-L



GRAND-L (electronic)



MINI-electronic

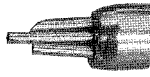


Handblower for MINI

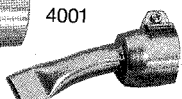
4000



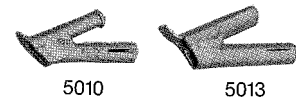
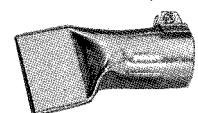
4001



4002

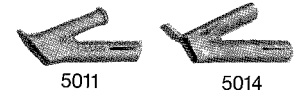


4003



5010

5013



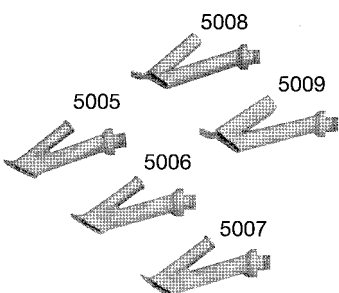
5011

5014



5012

5015



5005

5006

5007

5008

5009

Hand welding guns and blowers

QUICK-L (2 heating stages)
 QUICK-L-electronic (electronics)
 ROBUST-L (1 heating stage)
 GRAND-L (3 heating stages)
 GRAND-L-electronic (electronics)
 HOT AIR 3000 (electronics)
 MINI-electronic (electronics)
 Hand blower for MINI
 Stand for MINI

Spare nozzles and accessories for QUICK-L, -electronic, ROBUST-L, HOT AIR 3000 and MINI-electronic




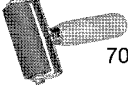
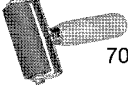
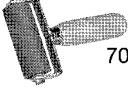
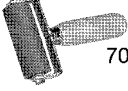







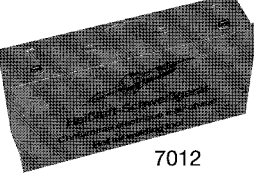
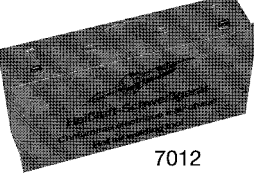
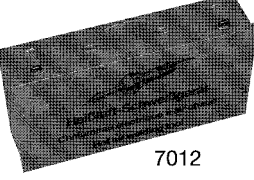
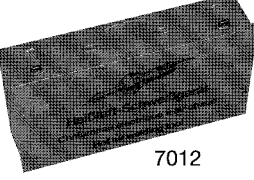




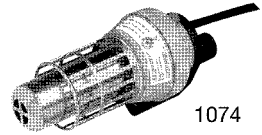
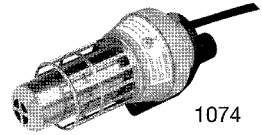
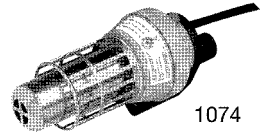
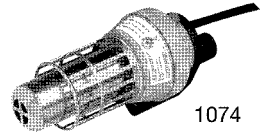
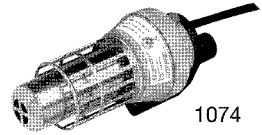
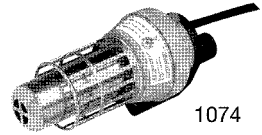
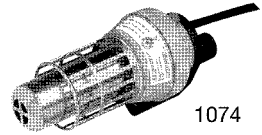
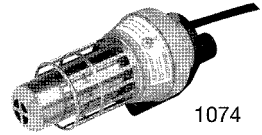
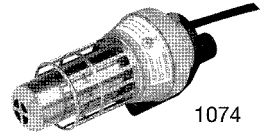
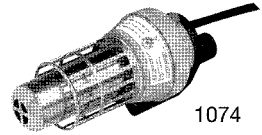
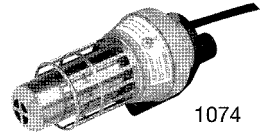
4000 Nozzle, 5 mm, round
 4001 triple round
 4002 20 mm, flat
 4003 40 mm, flat
 4004 40 mm, flat, perforated
 4005 Shrinking nozzle 15 mm, round
 4006 Shrinking nozzle 20 x 5 mm
 4007 Adaptor-nozzle M 10
 4008 Soldering-nozzle 10 mm, round
 5016 Shrinking reflector

Speed welding nozzles for nozzle 5 mm, round, art.-no. 4000

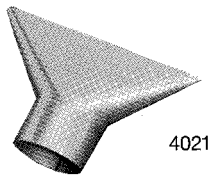
5010 3 mm, round
 5011 4 mm, round
 5012 5 mm, round
 5013 5 mm, triang.
 5014 7,5 mm, triang.
 5015 Tacking tip

for adaptor-nozzle M 10, art.-no. 4007

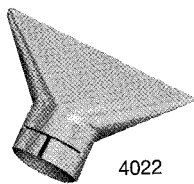
5005 3 mm, round (M 10)
 5006 4 mm, round (M 10)
 5007 5 mm, round (M 10)
 5008 5 mm, triang. (M 10)
 5009 7,5 mm, triang. (M 10)
 5004 Tacking tip (M 10)

	Art.-No.	Article
		<p>Heating elements for hand welding guns</p>
	2000	630 W
	2002	750 W
	2004	900 W
	2005	1000 W
 <p>2007</p>	2007	1500 W
		<p>Pressure rollers and tools</p>
 <p>7000</p>	7000	Pressure roller 45 mm, 2-axles
 <p>7001</p>	7001	Pressure roller 45 mm, 1-axle
 <p>7002</p>	7002	Pressure roller 80 mm, 2-axles
 <p>7003</p>	7003	Code 7000 with tape guide
 <p>6999</p>	6999	Tape guide for art.-no. 7000
 <p>7005</p>	7005	Pressure roller for 5 mm, round rod
 <p>7006</p>	7006	Pressure roller 45 mm, 1-axle, 45° angle (Pat.)
 <p>7007</p>	7007	Customs seal pressure roller 7 mm
 <p>7009</p>	7009	Customs seal pressure roller 9 mm
 <p>7010</p>	7010	Quarter-moon knife
 <p>5021</p>	5021	Weld seam slide
 <p>7011</p>	7011	Grooving tool
 <p>7012</p>	7012	Metal case
		<p>Pressure rollers with bearings</p>
 <p>6995</p>	6995	Pressure roller 45 mm, 1-axle, 45° angle (Pat.)
 <p>6996</p>	6996	Pressure roller 80 mm, 2-axles
 <p>6997</p>	6997	Pressure roller 45 mm, 1-axle
 <p>6998</p>	6998	Pressure roller 45 mm, 2-axles
		<p>Accessories for GRAND-L, -electronic</p>
 <p>4016</p>	4016	Nozzle 20 mm, round
 <p>4017</p>	4017	Nozzle 50 mm, round
 <p>4030</p>	4030	Wide-slot nozzle 70 x 10 mm
 <p>4031</p>	4031	Wide-slot nozzle 70 x 4 mm
 <p>5020</p>	5020	Paint scraper for nozzle 70 x 4 mm
 <p>3050</p>	3050	Heating element 3000 W Type L
 <p>3051</p>	3051	Heating element 2600 W Type L
		<p>Hot air tools</p>
 <p>1060</p>	1060	Type 3000
 <p>1070</p>	1070	Type 5000
 <p>1071</p>	1071	Type 3000 E, 230 V
 <p>1072</p>	1072	Type 3000 E, 230 V, 3000 W, with electronics
 <p>1074</p>	1074	Type 3000 E, 400 V, 3000 W, with electronics
 <p>6004</p>	6004	Type 7500, 380-440 V, 7500 W
 <p>6002</p>	6002	Type 7500, 380-440 V, 5000 W
 <p>6000</p>	6000	Type 7500, 230-240 V, 5000 W

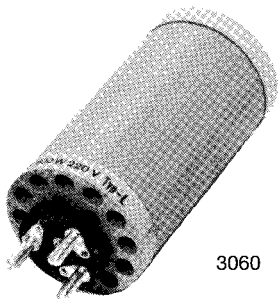
Art.-No. Article



4021



4022



3060

Nozzles for hot air tools

4012	Nozzle 50 mm, Type 3000, 3000 E
4015	Nozzle 20 mm, Type 3000, 3000 E
4020	Nozzle 20 mm, Type 5000
4021	Wide-slot nozzle 150 x 1 mm, Type 3000, 3000 E
4022	Wide-slot nozzle 150 x 10 mm, Type 3000, 3000 E
4023	Wide-slot nozzle 200 x 5 Type 7500
4024	Wide-slot nozzle 300 x 5 Type 7500

Heating elements for Type 7500

3200	5000 W, 230 V
3210	5000 W, 380–440 V
3220	7500 W, 380–440 V

Heating elements for Type 3000

3100	3 x 600 W, 230 V
3101	3 x 600 W, 400 V
3102	3 x 800 W, 230 V
3103	3 x 800 W, 400 V
3104	3 x 1000 W, 230 V
3105	3 x 1000 W, 400 V
3106	3 x 1200 W, 230 V
3107	3 x 1200 W, 400 V

Heating elements for Type 3000 E

3060	3000 W, 230 V
3061	3000 W, 400 V

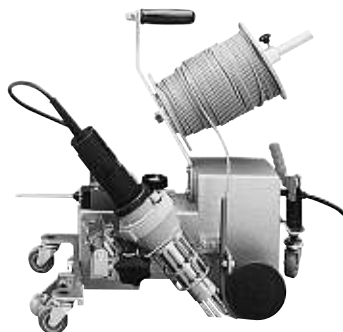
Heating elements for Type 5000

3108	2200/2800 W, 230 V
3109	3 x 1000 W, 230 V
3110	3 x 1000 W, 400 V
3111	3 x 1700 W, 230 V
3112	3 x 1700 W, 400 V
3114	3 x 2000 W, 230 V
3115	3 x 2000 W, 400 V
3116	3 x 2500 W, 230 V
3117	3 x 2500 W, 400 V

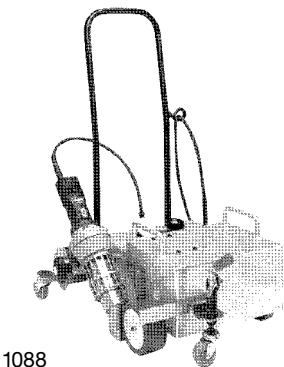
Art.-No. Article



FORPLAST-P



FORPLAST-F



1088



1086

FORPLAST-P automatic welding machine incl. ...

- 1100 ... 20 mm overlap welding kit
- 1101 ... 45 mm overlap welding kit
- 1102 ... 7–9 mm customs seal welding kit
- 1090 ... 50 mm tape welding kit
- 1086 FORPLAST-B 50 mm
- 1088 FORPLAST 45 mm

FORPLAST automatic re-reinforcement welding machine incl. ...

- 1103 ... 150 mm re-reinforcement welding kit
- 1104 ... 100 mm re-reinforcement welding kit
- 1105 ... 125 mm re-reinforcement welding kit

FORPLAST-F automatic welding machine for floor coverings

- 1200 Heating element FORPLAST-F
3000 W, 230 V

Extra accessories and heating elements for FORPLAST-P

- 1110 20 mm overlap welding kit (P)
- 1111 45 mm overlap welding kit (P)
- 1112 7–9 mm customs seal welding kit (P)
- 1091 50 mm tape welding kit (P)
- 3053 Heating element 700/1200 W, 230 V
- 3054 Heating element 800/1400 W, 230 V
- 3055 Heating element 1100/1400 W, 230 V
- 3056 Heating element 1200/1800 W, 230 V
- 3057 Heating element 3300 W, 230 V
- 3058 Heating element 3500 W, 230 V
- 3059 Heating element 4000 W, 230 V
- 1170 Fume extraction device FORPLAST-P

FORSTHOFF IN SOLINGEN

From the town that has been famous for several centuries for the manufacture of blades, knives and scissors, we have been suppliers of hot-air equipment to the industry for over 25 years worldwide.



Our equipment and machines are assembled in our production establishment in the Freiheitstrasse. We attach great importance to a high quality of finish and assembly of our welding equipment, automatic welding machines, air heaters and accessories.

As our equipment and machines are also used in extremely harsh industrial environments, they have to pass constant stringent controls and tests during the manufacturing process. This gives us the assurance of complete customer satisfaction and products of the highest reliability.

Over the course of the years, we have continuously further developed and improved our range of products, so that today we are able to offer our customers worldwide a fully developed range of products. Apart from this, we do not only offer our well known range of products, but also provide support and assistance in finding solutions to individual problems and advice on non-standard products and special designs.

As a consequence of our continuously expanding range of products, we have had to extend our final assembly facilities. We were fortunate to acquire an adjacent property, on which we were able to build a new, modern production hall in the course of 2002. This measure will help us secure and maintain our internationally renowned location in Solingen also in the future.

FORSTHOFF

