

BASIC 250



The **BASIC 250** is a manual hydraulic mirror welding machine, suitable for welding pressure pipe systems for water, gas, or other media. The machine has a range of **75 to 250 mm** and is built according to international standards (UNI 10565, ISO 12176-1).

The machine contains:

- A machine sled with frame, 4 clamps, 2 hydraulic cylinders and hydraulic hoses with anti-leak couplings that can be plugged in and out quickly.
- A PTFE coated heating plate with a built-in thermometer, and a high-precision digital-electronic thermoregulator "Digital Dragon" ($\pm 1\%$). This system contains LED indicators and monitors the normal operation of the machine (voltage and temperature control).
- A removable surface planer to straighten the ends of the tube/fitting. It includes a safety micro-switch and a thermal circuit breaker.
- An electric-hydraulic control box, protected against impact and atmospheric corrosion by means of a plastic box. The control box contains a lever to operate the clamps (open-close), a maximum pressure and discharge valve (also usable for the "dual pressure" welding process), an analog reading of the current pressure and a timer to keep an eye on the load times. The control box is equipped with a connection for the electronic data logging unit "THE INSPECTOR".
- A holder for flat planer and heating plate

With the **BASIC 250** you can weld tubes and fittings such as knieën, te-pieces, Y-pieces and collar bushings.
Standard in 230V (110V on request)

TECHNICAL DATA

		BASIC 250 USED TRACTOR
Diameter range	Ø	75 - 250 mm
SDR range	SDR	SDR 41 - 6
Materials		HDPE, PP, PB, PVDF
Power supply		230 V Single Phase
Total power consumption	W	3450 W
Recommended generator		5.5 / 6 kVA
Temperature setting range	°C	180°C / 280°C
Ambient temperature	°C	-10°C / 40°C
Time needed to reach welding temperature		< 20'
Noise level	Lwa	72 dB (A)
Memory		-
Pre-adjustable welding cycles		-
Wi-Fi ready		-
GPS		-
Mirror temperature		Adjustable
Mirror temperature readable		Digital
Automatic extraction of heating plate		-
Automatic extraction of flat planer		-
Smartlock inserts		Yes
Lifting support clamps-heating plate-flat planer		-
Dimensions machine-base	L x W x H	850 x 470 x 400 mm
Dimensions control box	L x W x H	470 x 250 x 370 mm
Machine base weight	Kg	63 kg
Handlebar box weight	Kg	26 kg
Weight flat planer	Kg	15 kg
Heating plate weight	Kg	8 kg
Holder weight	Kg	9 kg
Weight standard composition	Kg	124 kg

MACHINES

- 91070516 BASIC 250 V1 (230V - 1~)
- 91070517 BASIC 250 V1 (230V - 1~) with Inserts Ø 75 - 225mm
- 91070527 BASIC 250 V1 (230V - 1~) Schuko Plug
- 91070514 BASIC 250 V1 (230V - 1~) Schuko Plug with Inserts Ø 75 - 225mm

OPTIONS

- 87355130 Compl. SET of ins. Ø 75-225mm top clamp 4 short Elbows / Tee
- 87295135 Complete SET of Inserts Ø 75 - 225mm
- 87352941 Insert Ø top clamp 4 short Elbows / Tee 75mm
- 87352981 Insert Ø top clamp 4 short Elbows / Tee 90mm
- 87353241 Insert Ø top clamp 4 short Elbows / Tee 110mm
- 87353751 Insert Ø top clamp 4 short Elbows / Tee 125mm
- 87353781 Insert Ø top clamp 4 short Elbows / Tee 140mm
- 87354051 Insert Ø top clamp 4 short Elbows / Tee 160mm
- 87354321 Insert Ø top clamp 4 short Elbows / Tee 180mm
- 87354391 Insert Ø top clamp 4 short Elbows / Tee 200mm
- 87354861 Insert Ø top clamp 4 short Elbows / Tee 225mm
- 87283795 Inserts Ø 145mm GERODUR
- 87284070 Inserts Ø 166mm GERODUR
- 87284340 Inserts Ø 187mm GERODUR
- 87284610 Inserts Ø 207mm GERODUR
- 87294873 Inserts Ø 232mm GERODUR
- 87292707 Inserts Ø 75mm
- 87292979 Inserts Ø 90mm
- 87293249 Inserts Ø 110mm
- 87293518 Inserts Ø 125mm
- 87293786 Inserts Ø 140mm
- 87294057 Inserts Ø 160mm
- 87294325 Inserts Ø 180mm
- 87294593 Inserts Ø 200mm
- 87294864 Inserts Ø 225mm
- 33153211 Pre-Insulated BAG for Heating Plate
- 80402451 Tool for Flange Necks
- 83365130 Top Clamp 4 Short for Elbows - Tee
- 83365131 Top Clamps 3 and 4 Short Fittings
- 81211067 Trolley for Heating plate + Milling Cutter + Gearcase
- 81211066 Trolley for Machine Basics
- 71261240 Wooden Case for Inserts

SPARE PARTS

92158063	Gearcase 0,37 kw- 1,1cc (schuko plug 230V)
92158082	Gearcase 0,37 kw-1,1cc-230V
90018716	Heating plate (schuko plug - 230V)
90018715	Heating plate (230V)
81741086	Machine Body and Tool Kit
81801082	Milling Cutter (Schuko Plug - 230V)
81801071	Milling Cutter (230V)
83621053	O-Ring SET for Cylinders 81491062
84461050	SET of Blades for Milling Cutter (2pcs)
84461051	SET of Blades for Milling Cutter - for PP - (2pcs)
88161065	Support for Milling Cutter/ Heating plate