

DELTA 500



The **DELTA 500** 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 **200 to 500 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 separate 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).
- An attachment on the machine carriage, which helps remove the mirror during the welding procedure.
- 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 with 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 datalogging unit "THE INSPECTOR".
- A holder for flat planer and heating plate

With the **DELTA 500** you can weld pipes and fittings such as knieën, te-pieces, Y-pieces and collar bushings. This is possible because the 3rd clamp can be attached to the 1st and 2nd (sliding) clamp. The fitting itself is fixed in the 4th clamp. Short collars can be welded with a special tool (on request).

Standard in 400V (230V on request)

TECHNICAL DATA

		DELTA 500
Diameter range	Ø	200 - 500 mm
SDR range	SDR	SDR 41 - 6
Materials		HDPE, PP, PVDF
Power supply		400 V Three Phase
Total power consumption	W	7200 W
Recommended generator		12 KB
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	LpA < 70 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		-
Lifting support clamps-heating plate-flat planer		-
Dimensions machine-base	L x W x H	1265 x 790 x 780 mm
Dimensions control box	L x W x H	615 x 298 x 474 mm
Machine base weight	Kg	230 kg
Handlebar box weight	Kg	25 kg
Weight flat planer	Kg	62 kg
Heating plate weight	Kg	25 kg
Holder weight	Kg	59 kg
Weight standard composition	Kg	408 kg

MACHINES

91250505	DELTA 500 V1 TE (230V - 1~)
91250517	DELTA 500 V1 TE (230V - 1~) with Inserts Ø 200 - 450mm
91250522	DELTA 500 V1 TE (400V - 3~)
91250518	DELTA 500 V1 TE (400V - 3~) with Inserts Ø 200 - 450mm

OPTIONS

87296751	Complete SET of Inserts Ø 200- 450mm
83593606	Electrical Crane (230V)
83593616	Electrical Crane (400V)
87294595	Inserts Ø 200mm
87294865	Inserts Ø 225mm
87295136	Inserts Ø 250mm
87295406	Inserts Ø 280mm
87295677	Inserts Ø 315mm
87295944	Inserts Ø 355mm
87296210	Inserts Ø 400mm
87296480	Inserts Ø 450mm
33151191	Pre-Insulated BAG for Heating Plate
80401251	Tool for Flange Necks
71651380	Transport Cage Metal for Machine Basis
71651400	Transport Cage Metal for Support, Cutter, Heating plate + Gearcase
71261290	Transport Case Wood for Machine Basis
71261300	Transport Case Wood for Support, Cutter, Heating plate + Gearcase
81211251	Trolley for Machine Basics
71261250	Wooden Case for Inserts

SPARE PARTS

87061255	Electric Box with Thermoregulator (230V)
87061260	Electric Box with Thermoregulator (400V)
92154423	Gearcase 1,1 kw - 2,5 cc - 400V 3phase
92154424	Gearcase 1.1 kw-1,2,6 cc-230V
90035643	Heating plate (230V)
90035644	Heating plate (400V)
81741290	Machine Body and Tool Kit
81801275	Milling Cutter (230V)
81801276	Milling Cutter (400V)
83621251	O-Ring SET for Cylinders 81491252
84461250	SET of Blades for Milling Cutter (4pcs)
84461251	SET of Blades for Milling Cutter - for PP - (4 pcs)
NL-	
78151315A	Support for Milling Cutter + Heating Plate