

## DELTA 800



The **DELTA 800** is a manual hydraulic mirror welding machine, suitable for welding pressure pipe systems for water, gas, or other media. The machine has a range from **500 to 800 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 800** 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).

## TECHNICAL DATA

		<b>DELTA 800</b>
Diameter range	∅	500 - 800 mm
SDR range	SDR	SDR 41 - 6
Materials		HDPE, PP, PVDF
Power supply		400 V 3F+N+PE
Total power consumption	W	17000 W
Recommended generator		30 KWVa
Temperature setting range	°C	180°C / 280°C
Ambient temperature	°C	-10°C / 40°C
Time needed to reach welding temperature		< 45'
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	2100 x 1350 x 1300 mm
Dimensions control box	L x W x H	615 x 298 x 474 mm
Machine base weight	Kg	821 kg
Handlebar box weight	Kg	60 kg
Weight flat planer	Kg	222 kg
Heating plate weight	Kg	60 kg
Holder weight	Kg	110 kg
Weight standard composition	Kg	1260 kg

## MACHINES

- 91460020 DELTA 800 V1 TE (400V - 3~)  
91460022 DELTA 800 V1 TE (400V - 3~) with Inserts Ø 500 - 710mm

## OPTIONS

- 87281451 Complete SET of Inserts Ø 500 - 710mm  
83591484 Electrical Crane ( 400V )  
87296781 Inserts Ø 500mm  
87297081 Inserts Ø 560mm  
87297351 Inserts Ø 630mm  
87297561 Inserts Ø 710mm  
80401451 Tool for Flange Necks  
81211462 Trolley for Machine Basics

## SPARE PARTS

- 87061262 Electric Box with Thermoregulator ( 400V )  
92155004 Gearcase 2,2 kw - 400V  
90055643 Heating plate ( 400V )  
81741500 Machine Basic  
81801470 Milling Cutter ( 400V )  
83621452 O-Ring SET for Cylinders 81491452  
84461450 SET of Blades for Milling Cutter (4pcs)  
88161461 Support for Milling Cutter/ Heating plate