

DELTA 630



The **DELTA 630** 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 **280 to 630 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 630** you can weld tubes 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 630
Diameter range	∅	280 - 630 mm
SDR range	SDR	SDR 41 - 6
Materials		HDPE, PP, PVDF
Power supply		400 V Three Phase
Total power consumption	W	12400 W
Recommended generator		18 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	1550 x 1010 x 1000 mm
Dimensions control box	L x W x H	615 x 298 x 474 mm
Machine base weight	Kg	415 kg
Handlebar box weight	Kg	43 kg
Weight flat planer	Kg	143 kg
Heating plate weight	Kg	43 kg
Holder weight	Kg	59 kg
Weight standard composition	Kg	708 kg

MACHINES

91350600	DELTA 630 V1 TE (230V -3~)
91350624	DELTA 630 V1 TE (230V -3~) with Inserts Ø 280 - 560mm
91350601	DELTA 630 V1 TE (400V - 3~)
91350623	DELTA 630 V1 TE (400V - 3~) with Inserts Ø 280 - 560mm

OPTIONS

87297291	Complete SET of Inserts Ø280-560mm
83593611	Electrical Crane (230V)
83593617	Electrical Crane (400V)
87295662	Inserts Ø 280mm
87295678	Inserts Ø 315mm
87295945	Inserts Ø 355mm
87296211	Inserts Ø 400mm
87296481	Inserts Ø 450mm
87476480	Inserts Ø 460mm gerodur
87296752	Inserts Ø 500mm
87297021	Inserts Ø 560mm
87477020	Inserts Ø 570mm gerodur
87561354	Left hydraulic lateral ROLLER
87561353	Right hydraulic lateral ROLLER
33151221	Pre-Insulated BAG for Heating Plate
80401351	Tool for Flange Necks
71651390	Transport Cage Metal for Machine Basis
71651420	Transport Cage Metal for Machine Body and Trolley
71651410	Transport Cage Metal for Support, Cutter, Heating plate
71261370	Transport Case Wood for Machine Body and Trolley
71261380	Transport Case Wood for Support, Cutter, Heating plate + Gearcase
81211351	Trolley for Machine Basics

SPARE PARTS

87061256	Electric Box with Thermoregulator (230V)
87061261	Electric Box with Thermoregulator (400V)
92154641	Gearcase 1,5kw - 5,8cc - 230V
92154640	Gearcase 1,5kw 5,8cc - 400V
90050642	Heating plate (230V)
90050643	Heating plate (400V)
81741370	Machine Body and Tool Kit
81801362	Milling Cutter (230V)
81801363	Milling Cutter (400V)
83621351	O-Ring SET for Cylinders 81491360
84462902	SET of Blades for Milling Cutter (4pcs)
84461260	SET of Blades for Milling Cutter - for PP - (4 pcs)
NL-78151405A	Support for Milling Cutter + Heating Plate