



DELTA 500



This is a self-aligning machine, suitable for welding ducts for the transport of water, gas and other fluids under pressure, up to Ø 500 mm. The **DELTA 500** was designed in accordance to the Italian and international correspondent standards (UNI 10565, ISO 12176-1), and consists of:

- **A machine body** with a steel bearing frame, four steel clamps and two hydraulic thrust cylinders with non-drip quick couplings and steel inserts;
- **Self detaching device:** helps removing the heating plate during welding procedure.
- **An extractable heating plate** with separate thermometer for reading the working temperature.
- **An extractable electric milling cutter** for leveling the ends of the pipe and/or fitting, with a safety microswitch and overload cutout. Milling cutter's plastic control box is protected by a metal frame, and equipped with a fast removing system to speed up the extraction from machine body.
- **An electrohydraulic gearcase** with a clamps opening and closing lever, maximum pressure and release valves (also useful when welding with the "Dual Pressure" procedure), hydraulic hoses with non-drip quick couplings, a timer (for the heating and welding phases).
- **Digital electric connections** box with the high precision ($\pm 1^\circ\text{C}$) "Digital Dragon" temperature controller protected by a special container and equipped with a reading display and keys for temperature adjustment.
- **A milling cutter/heating plate support.**

With **DELTA 500** it is possible to weld fittings such as Bends, Tees, Wyes and Stub Ends. This is possible because the 3rd clamp can be anchored to the 1st and 2nd (movable) and slide along with the pipe. The fitting have to be locked in the 4th clamp. Short neck stub ends can be welded with the help of a special tool (on request). Available in 230 V and 400 V.

STANDARD COMPOSITION

- Machine body with a tool kit;
- TP DELTA 500 TE plate;
- Milling cutter;
- Electrohydraulic gearcase;
- Milling cutter/heating plate support.

ITALY



TECHNICAL FEATURES

Working range	200 ÷ 500 mm	
Power supply	230 V	400 V
	Single phase 50/60 Hz	Three phase 50/60 Hz
Total absorbed power	7950 W	7200 W
Working temperature	180 ÷ 280 ° C	
Outside temperature range	-5 ÷ +40°C	
Time to reach welding temperature	< 20 min.	
Materials	HDPE, PP, PVDF <small>For other materials contact RITMO S.P.A.</small>	

DIMENSION (W x D x H)	
Machine body	1265 x 790 x 780 mm
WEIGHT	
Machine body	230 Kg
Standard composition	408 Kg



Tool for flange necks

ON REQUEST (ACCESSORIES)

- EASY LIFE gearbox;
- Clamps' inserts from Ø 200 to 450 mm;
- Tool for flange necks;
- Electrical crane;
- Special transport wooden case (DELTA 500 only);
- Special transport wooden case (machine body with trolley);
- Wooden case for inserts;
- Machine body trolley;
- INSPECTOR data-logger



Machine body trolley (on request)

HUNGARY

