



## DELTA 500

This is a self-aligning machine, suitable for welding ducts for the transport of water, gas and other fluids under high 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 bearing frame, four clamps and two hydraulic thrust cylinders with non-drip quick couplings;
- **An extractable heating plate** with separate thermometer for reading the working temperature.
- **An extractable electric milling cutter** for levelling the ends of the pipe and/or fitting, with a safety microswitch and overload cutout.
- **An electro-hydraulic gearcase** with a clamp opening and closing lever, maximum pressure and discharge valves (useful also during the "Dual Pressure" welding), hydraulic hoses with non-drip quick couplings, a timer (for the heating and welding phases), an extractable electrical panel with power outlet for the heating plate, an electronic thermoregulator for the control of the working temperature, a differential circuit breaker, and a special connection for the electronic data-logger INSPECTOR;
- **A milling cutter/heating plate support.**

The **DELTA 500** can weld fittings without the need for any additional equipment: bends, tees, branches and flange necks can be welded by simply taking the fourth clamp off the machine body's frame. Necks with a highly reduced tang can be welded with the help of a special tool (on request), applied to the clamps.

Available in 230V and 400V.

### STANDARD COMPOSITION

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



Machine body trolley (on request)

## TECHNICAL FEATURES

Working range	200 ÷ 500 mm	
Power supply	230 V	400 V
	Single phase 50/60 Hz	Three-phase 50/60 Hz
<b>Total absorbed power</b>	<b>7950 W</b>	<b>7200 W</b>
Working temperature	180 ÷ 280°C	
Outside temperature range	-5 ÷ +40°C	
Time to reach welding temperature	< 20 min.	
Materials	HDPE, PP, PVDF * For other materials contact RITMO spa	
<b>DIMENSIONS (W x D x H)</b>		
Machine body	1330 x 840 x 845 mm	
<b>WEIGHT</b>		
Machine body	197,00 Kg	
<b>Standard composition</b>	<b>364,00 Kg</b>	



Tool for flange necks



Milling cutter

### ON REQUEST (ACCESSORIES)

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

