



# DELTA 1200



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This is a self-aligning welding machine, suitable for welding HDPE pipes and ducts for the transport of water and other fluids under pressure, up to Ø 1200. The **DELTA 1200** was designed in accordance to international standards (UNI 10565, ISO 12176-1), and consists of:

- **Machine body** with a bearing frame, four steel clamps and two hydraulic thrust cylinders with non-drip quick couplings.
- **Extractable heating plate** with separate thermometer for reading the working temperature.
- **Extractable electrically controlled milling cutter** for levelling the ends of the pipe and/or fitting, with a safety microswitch, overload cutout, and emergency push button.
- **Electrohydraulic 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) and an electrical panel with a differential circuit breaker.
- **Milling cutter/heating plate support** with an electrical panel with power outlets for the heating plate, milling cutter and electrohydraulic gearcase, an electronic thermoregulator for the control of the working temperature, a turn on/off push button for the milling cutter, and differential circuit breakers.

The **DELTA 1200** can weld fittings such as elbows, tees, branches and flange necks. This is possible because the 3rd clamp can be anchored to the 1st and 2nd (movable) and slide along with the pipe. The fitting must be locked in the 4th clamp. Necks with a highly reduced tang can be welded with the help of a special tool (on request), applied to the clamps.

## STANDARD COMPOSITION

- Machine body with a tool kit;
- TP DELTA 1200 TE plate;
- Milling cutter;
- Electrohydraulic gearcase;
- Milling cutter/heating plate support.

**ASK FOR A QUOTATION**



Machine body trolley and Electrical crane (on request)

## TECHNICAL FEATURES

Working range	710 ÷ 1200 mm
Power supply	400 V - 3F+N+PE 50/60 Hz
<b>Total absorbed power</b>	<b>28196 W</b>
Power absorbed by the electrical crane	750 W
Working temperature	180 ÷ 280 ° C
Outside temperature range	-5 ÷ +40°C
Time to reach welding temperature	< 45 min.
Materials	HDPE, PP, <small>For other materials contact RITMO S.P.A.</small>

<b>DIMENSION (W x D x H)</b>	
Machine body	4500 x 2130 x 2330 mm

<b>WEIGHT</b>	
Machine body	3800 Kg
<b>Standard composition</b>	<b>5320 Kg</b>



Tool for flange necks

## ON REQUEST (ACCESSORIES)

- Tool for flange necks;
- Machine body trolley;
- Electrical crane;
- INSPECTOR data-logger.



## VENEZUELA

