

DELTA 1200

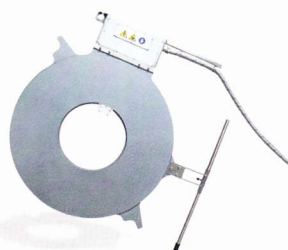
This is a self-aligning welding machine, suitable for welding drain pipes and ducts for the transport of water and other fluids under high pressure, up to Ø1200 mm. The **DELTA 1200** was designed in accordance to the Italian and international correspondent standards (UNI 10565, ISO 12176-1), and consists of:



DELTA 1200



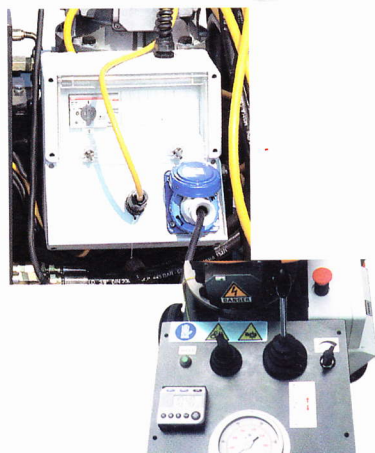
Machine body



Heating plate



Milling cutter



- **Machine body** with a bearing frame *on wheels*, four 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 **bends, 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.

SUPPLIED WITH

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

ON REQUEST (ACCESSORIES)

- Clamps **adapters** Ø 710, 800, 900, 1000 mm (8 pieces/Ø)
[Ø supplied singly];
- **Tool for flange necks**;
- **Electrical crane**;
- **INSPECTOR data-logger** (see page 49).



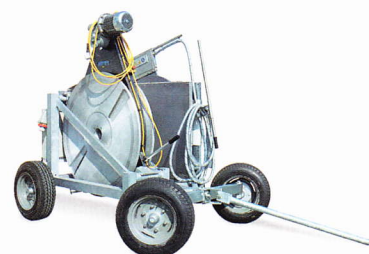
TECHNICAL FEATURES

Working range	710 ÷ 1200 mm
Power supply	400 V-Three-phase+N-50/60 Hz
Power absorbed by the TP	20100 W
Power absorbed by the milling cutter	4048 W
Power absorbed by the gearcase	4048 W
Total absorbed power	28196 W
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.
Overall cylinder section	29,845 cm ²
Pressure working range	0 ÷ 220 bar
(^) Materials	PE, PP, PVDF

DIMENSIONS (W x D x H)	
Machine body (when transported)	4500 x 2130 x 2330 mm
Machine body with crane	4500 x 4210 x 5000 mm
Machine body steering device	L: 2320 mm
Heating plate (TP)	1590 x 70 x 1660 mm
Milling cutter	2000 x 330 x 1850 mm
Electrohydraulic gearcase	1320 x 610 x 860 mm
Milling cutter/heating plate support	2550 x 1700 x 1560 mm
Milling cutter/heating plate support steering device	L: 1580 mm
Electrical crane boom	L: 3000 mm
Tool for flange necks	1840 x 350 x 1840 mm
INSPECTOR data-logger	See page 49

WEIGHT	
Machine body	3800,00 Kg
Heating plate	125,00 Kg
Milling cutter	545,00 Kg
Electrohydraulic gearcase	135,00 Kg
Milling cutter/heating plate support	715,00 Kg
Total (Delta 1200 only)	5320,00 Kg
Tool for flange necks	340,00 Kg
Electrical crane	345,00 Kg
INSPECTOR data-logger	See page 49

Weight (Kg) clamp adapters (8 pieces/Ø)			
Ø 710	Ø 800	Ø 900	Ø 1000
904,00	824,00	728,00	632,00
Total weight: 3088,00 Kg			



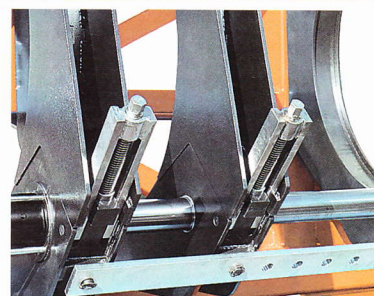
Milling cutter/heating plate support



Electrical panel



Electrical crane



3rd clamp driving bar