

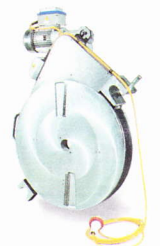
DELTA 800



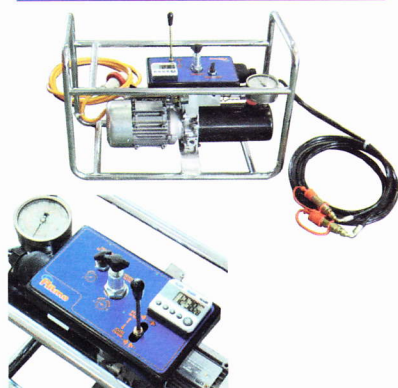
Machine body



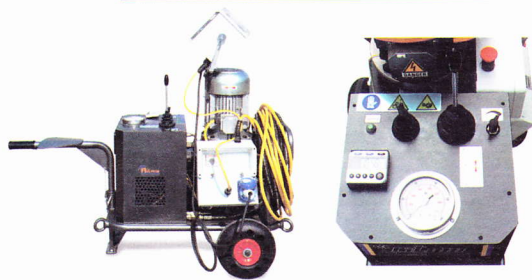
Heating plate



Milling cutter



DELTA 800 Hydraulic gearcase



DELTA 1000 Electrohydraulic gearcase



DELTA 800 & DELTA 1000

These are a self-aligning welding machines, suitable for welding drain pipes and ducts for the transport of water and other fluids under high pressure, up to Ø 800 mm. The **DELTA 800** and **DELTA 1000** were designed in accordance to the Italian and international correspondent standards (UNI 10565, ISO 12176-1), and consists of:

- **Machine body** with a bearing frame, 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 and overload cutout;
- **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), an extractable *electrical panel* with power outlet for the heating plate, an electronic thermoregulator for the control of the working temperature and a differential circuit breaker;
- Milling cutter/heating plate **support**.

The **DELTA 800** and **1000** 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** with a tool kit;
- **Heating plate**;
- **Milling cutter**;
- **Electrohydraulic gearcase**;
- **Electric panel for Heating plate**;
- **Milling cutter/heating plate support**.

ON REQUEST (ACCESSORIES)

- Clamps **adapters** Ø 500, 560, 630, 710 mm (8 pieces/Ø - **D.800**) or Ø 630, 710, 800, 900 mm (8 pieces/Ø - **D.1000**) [Ø supplied singly];
- **Tool for flange necks**;
- **Special transport wooden case** (machine body with trolley);
- **Special transport wooden case** (heating plate, milling cutter, milling cutter/heating plate support, and electrohydraulic gearcase);
- **Wooden case for adapters**;
- **Machine body trolley**;
- **Electrical crane**;
- **INSPECTOR data-logger** (see page 49).

TECHNICAL FEATURES

	DELTA 800	DELTA 1000
Working range	500 ÷ 800 mm	630 ÷ 1000 mm
Power supply	400 V-Three-phase+N-50/60 Hz	
Power absorbed by the TP	12000 W	16000 W
Power absorbed by the milling cutter	2944 W	4048 W
Power absorbed by the gearcase	1472 W	4048 W
Total absorbed power	16416 W	24096 W
Working temperature	180 ÷ 280°C (A)	
Outside temperature range	-5 ÷ +40°C	
Time to reach welding temperature	~ 45 min.	~ 45 min.
Overall cylinder section	23,562 cm²	26,703 cm²
Pressure working range	0 ÷ 140 bar	0 ÷ 220 bar
(A) Materials	PE, PP, PVDF	

DIMENSIONS (W x D x H - mm)		
Machine body	2055x1270x1290	2625x1680x1625
Heating plate	1570x70x1160	1570x70x1450
Milling cutter	980x410x1430	1412x350x1812
Electrohydraulic gearcase	915x400x490	1320x610x860
Electrical panel with support	340x400x300	
Milling cutter/heating plate support	1150x980x1050	1438x1225x1313
Tool for flange necks	1380x294x1380	1725x367x1725
Special transport wooden case (machine body with trolley)	3050x1155x1680	-
Special transport wooden case (heating plate + milling cutter + milling cutter/heating plate support + gearcase)	1755x1155x1635	-
Wooden case for adapters	1800x940x1140	-
Machine body trolley	2895x1690x680	-
INSPECTOR data/logger	see page 49	

WEIGHT

Machine body	740,00 Kg	1600,00 Kg
Heating plate	60,00 Kg	100,00 Kg
Milling cutter	220,00 Kg	300,00 Kg
Electrohydraulic gearcase with electrical panel	60,00 Kg	135,00 Kg
Electrical panel with support	10,00 Kg	
Milling cutter/heating plate support	108,00 Kg	300,00 Kg
Total (Delta 800/Delta 1000 only)	1198,00 Kg	2435,00 Kg
Tool for flange necks	64,00 Kg	150,00 Kg
Special transport wooden case (machine body with trolley)	~ 190,00 Kg	-
Special transport wooden case (heating plate + milling cutter + milling cutter/heating plate support + gearcase)	~ 100,00 Kg	-
Wooden case for adapters	~ 70,00 Kg	-
Machine body trolley	340,00 Kg	-
INSPECTOR data/logger	see page 49	

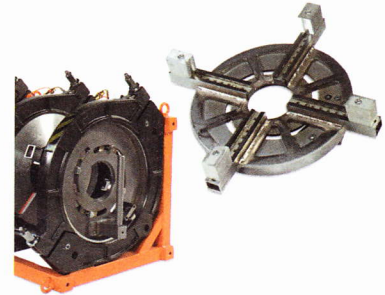
Weight (Kg) clamp adapters (8 pieces/Ø)

DELTA 800	D. 800	D. 1000	D. 800	D. 1000	DELTA 1000
Ø 500	Ø 560	Ø 630	Ø 710	Ø 800	Ø 900
196,00	172,00	136,00	496,00	85,00	472,00
464,00	368,00				

Total weight: 589,00 Kg (DELTA 800) - 1800,00 Kg (DELTA 1000)



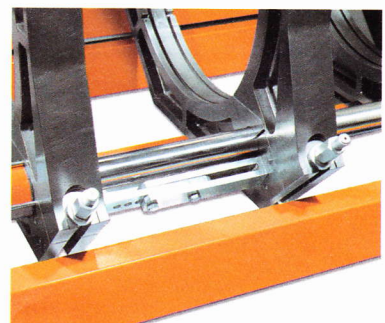
Milling cutter/heating plate support



Tool for flange necks



Machine body trolley



3rd clamp driving bar



Special transport wooden case