



DELTA 500



Machine body



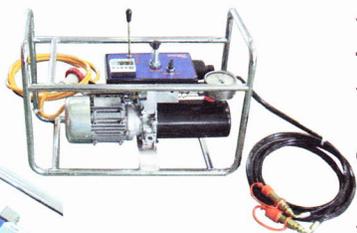
Tool kit



Heating plate



Milling cutter



DELTA 500 Hydraulic gearcase



Electric panel for Heating plate

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:

- **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, a differential circuit breaker, and a special connection for the electronic data-logger INSPECTOR;
- 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.

SUPPLIED WITH

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

ON REQUEST (ACCESSORIES)

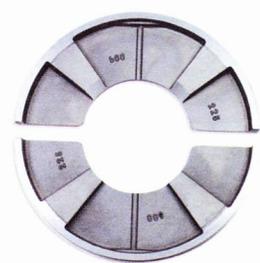
- Clamps **adapters** Ø 200, 225, 250, 280, 315, 355, 400, 450 mm (8 pieces/Ø) [*Ø supplied singly*];
- **Tool for flange necks**;
- **Special transport wooden case** (DELTA 500 only);
- **Special transport wooden case** (machine body with trolley);
- **Special transport wooden case** (heating plate, milling cutter, milling cutter/heating plate support, and electrohydraulic gearcase);
- **Wooden case for adapters**;
- **Machine body trolley**;
- **INSPECTOR data-logger** (see page 49);
- **EASY LIFE special electrohydraulic gearcase** (see page 48).

TECHNICAL FEATURES

Working range	200 ÷ 500 mm	
Power supply	230 V	400 V
	Single phase	Three-phase
	50/60 Hz	50/60 Hz
Power absorbed by the TP	5000W	5000 W
Power absorbed by the milling cutter	1825 W	1095 W
Power absorbed by the gearcase	1100 W	1100 W
Total absorbed power	7925 W	7190 W
Working temperature	180 ÷ 280°C (A)	
Outside temperature range	-5 ÷ +40°C	
Time to reach welding temperature	< 20 min.	
Overall cylinder section	22,384 cm ²	
Pressure working range	0 ÷ 140 bar	
(A) Materials	PE, PP, PVDF	



Milling cutter/heating plate support



Adapters



Tool for flange necks

DIMENSIONS (W x D x H)	
Machine body	1330 x 840 x 845 mm
Heating plate (TP)	1000 x 770 x 70 mm
Milling cutter	750 x 230 x 1050 mm
Electrohydraulic gearcase with electrical panel	915 x 400 x 490 mm
	W: 700 mm without electrical panel
Electrical panel with support	340 x 400 x 300 mm
Milling cutter/heating plate support	780 x 600 x 615 mm
Tool for flange necks	750 x 280 x 750 mm
Special transport wooden case (DELTA 500 only)	1700 x 1900 x 1200 mm
Special transport wooden case (machine body with trolley)	920 x 1400 x 960 mm
Special transport wooden case (B)	1165 x 1165 x 1150 mm
Wooden case for adapters	1400 x 600 x 800 mm
Machine body trolley	1800 x 940 x 325 mm
INSPECTOR data-logger	See page 49



Special transport wooden cases

WEIGHT	
Machine body	197,00 Kg
Heating plate (TP)	25,00 Kg
Milling cutter	62,00 Kg
Electrohydraulic gearcase with electrical panel	50,00 Kg
Electrical panel with support	10,00 Kg
Milling cutter/heating plate support	30,00 Kg
Total (Delta 500 only)	364,00 Kg
Tool for flange necks	54,00 Kg
Special transport wooden case (DELTA 500 only)	~ 130,00 Kg
Special transport wooden case (machine body with trolley)	~ 100,00 Kg
Special transport wooden case (B)	~ 90,00 Kg
Wooden case for adapters	54,00 Kg
Machine body trolley	87,00 Kg
INSPECTOR data-logger	See page 49



Machine body trolley



Wooden case for adapters

(B) for heating plate + milling cutter + milling cutter/heating plate support + gearcase

Weight (Kg) clamp adapters (8 pieces/Ø)							
Ø 200	Ø 225	Ø 250	Ø 280	Ø 315	Ø 355	Ø 400	Ø 450
46,00	45,00	43,20	40,50	36,50	32,00	24,50	18,00
Total weight: 285,70 Kg							