



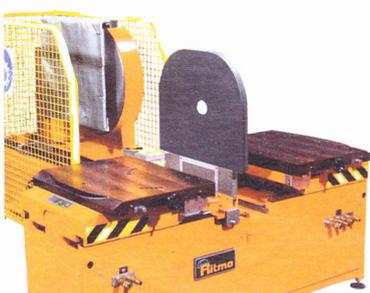
ALFA 630/500 CTB



Machine body



Control panel



Heating plate



Milling cutter



Lateral supports

ALFA 630/500 CTB

This is a workshop welding machine designed to fabricate fittings like **bends** (up to \varnothing 630 mm), **wyes (Y)**, **tees** and **crosses** (up to \varnothing 500 mm) by joining pipe segments, with the help of special clamps.

Bends and wyes (Y) clamps opening/closing and locking movements are controlled hydraulically, while tees/crosses clamps opening/closing movements are manual.

Composed of:

- a **machine body** with two hydraulically controlled carriages;
- a **control panel** on which we find the ECP EASY LIFE system (page 48) to control all the welding parameters (pressure, time and temperature), the free carriages movements (opening and closing) and the milling pressure. Furthermore it allows the automatic movements for opening and closing the carriages and for taking off the heating plate during the "changing phase".
The control panel includes the connection for the INSPECTOR data-logger;
- a **heating plate** that slides on recirculating ball slideways;
- a **milling cutter** for levelling the ends of pipes and/or fittings that slides on recirculating ball slideways, with an electronic device for a soft start.
- an **upper cylinder**, to be positioned on the clamps, for welding extra thick pipes and/or whenever it's necessary to use high pressures.

SUPPLIED WITH

- Welding machine complete with **control panel**, **heating plate**, **milling cutter**, **upper cylinder** and **tool kit**.

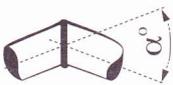
ON REQUEST (ACCESSORIES)

- **Bends clamps \varnothing 630 mm** (1 right -1 left) ⁽¹⁾ complete with **adapters and lateral supports from \varnothing 315 to \varnothing 560 mm.**
[clamps supplied singly];
- **Wyes (Y) clamps \varnothing 500 mm** (1 right -1 left) ⁽²⁾ complete with **adapters from \varnothing 225 to \varnothing 450 mm;**
- **Tees/crosses \varnothing 500 mm** (4 interchangeable pieces) complete with **adapters from \varnothing 315 to \varnothing 450 mm;**
- **Special milling cutter plates and blades for PVC;**
- **INSPECTOR data-logger** (see page 49).

⁽¹⁾: Straight welding is also possible using the bends clamps.

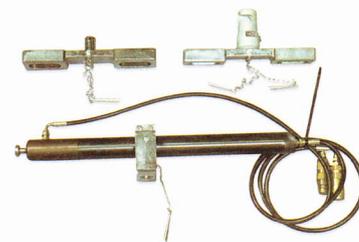
⁽²⁾: Bends left clamp is required to fabricate wyes (Y).

TECHNICAL FEATURES

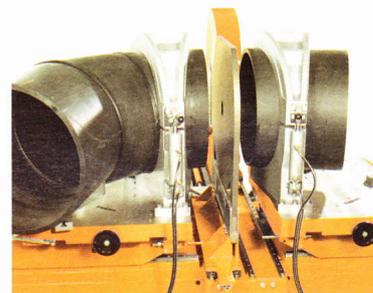
Working range:		
BENDS		315 ÷ 630 mm 0° ÷ 60°
WYES (Y)		225 ÷ 500 mm 45° ÷ 60°
TEES – CROSSES		315 ÷ 500 mm
Angle reading sensitivity		± 1 °
Power supply		400 V-Three-phase-50/60 Hz
Power absorbed by the milling cutter		4000 W
Power absorbed by the TP		14250 W
Power absorbed by the gearcase		5500 W
Total absorbed power		23750 W
Working temperature		180 ÷ 280°C (A)
Room temperature range		-5 ÷ +40°C
Overall cylinder section		19,635 cm ² with upper cylinder 39,269 cm ²
Pressure working range		0 ÷ 150 bar
(A) Materials		PE, PP, PVDF, PVC

DIMENSIONS (W x D x H)	
Machine body	3000 x 2700 x 1780 mm
Control panel	800 x 570 x 1550 mm
BENDS clamps	960 x 358 x 905 mm
WYES (Y) clamps	915 x 800 x 840 mm
TEES/CROSSES clamps	498 x 650 x 760 mm
INSPECTOR data-logger	See page 49

WEIGHT	
Machine body	3000,00 Kg
Control panel	174,00 Kg
BENDS clamps (2 pcs.) with adapters	550,00 Kg
WYES (Y) clamps (2 pcs.) with adapters	1174,00 Kg
TEES/CROSSES clamps (4 pcs.) with adapters	838,00 Kg
Upper cylinder	55,00 Kg
INSPECTOR data-logger	See page 49



Upper cylinder



Bends clamps



Wyes (Y) clamps



Tees/crosses clamps