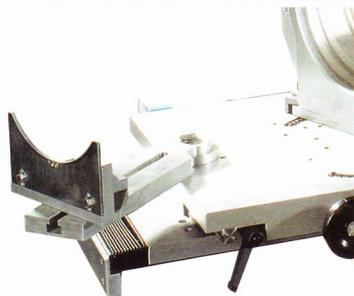




ALFA 200 CTB



Control panel



Lateral supports



Heating plate



ALFA 200 CTB

This is a workshop welding machine designed to fabricate fittings like **bends** (up to $\text{Ø}200$ mm), **tees**, **crosses** and **wyes (Y)** (up to $\text{Ø}160$ mm) by joining pipe segments, with the help of special clamps.

The **ALFA 200 CTB** can also weld special and moulded fittings such as **bends**, **tees** and **flange necks**, thanks to a different type of special clamps.

Composed of:

- a **machine body** with two carriages, one of which driven by a hydraulic system, and two **lateral supports with adapters**;
- 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 during the "changing phase". The control panel includes the connection for the INSPECTOR data-logger;
- a **heating plate** with lifting sliding arm;
- an electrically controlled **milling cutter** for levelling the ends of the pipes and/or fittings with built-in overload cutout and safety microswitch;
- 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**, **lateral supports** $\text{Ø} 200$ mm with **adapters** from $\text{Ø} 40$ to $\text{Ø} 180$ mm, **heating plate**, **milling cutter**, **upper cylinder**, and **tool kit**.

ON REQUEST (ACCESSORIES)

- **Bends clamps $\text{Ø} 200$ mm** (1 right -1 left) ⁽¹⁾, complete with **adapters** from $\text{Ø} 40$ to $\text{Ø}180$ mm
[clamps supplied singly];
- **Tees/crosses clamps $\text{Ø} 160$ mm** (4 interchangeable pieces), complete with **adapters** from $\text{Ø} 63$ to $\text{Ø}140$ mm;
- **Wyes (Y) clamps $\text{Ø} 160$ mm** (1 right -1 left) ⁽²⁾, complete with **adapters** from $\text{Ø} 63$ to $\text{Ø}140$ mm;
- **Right or left special clamps $\text{Ø} 200$ mm** for welding special and moulded fittings, complete with **adapters** from $\text{Ø} 40$ to $\text{Ø} 180$ mm ⁽³⁾;
- **Tool for flange necks**;
- **INSPECTOR data-logger** (see page. 49).

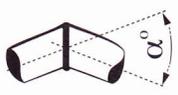
⁽¹⁾: Straight welding is also possible using the bends clamps.

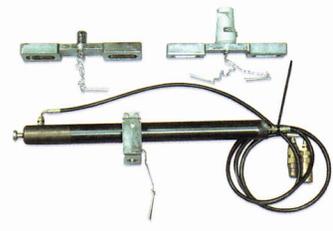
⁽²⁾: Bends left clamp is required to fabricate wyes (Y).

⁽³⁾: Left and right special clamps can be used simultaneously when two fittings have to be welded together.



TECHNICAL FEATURES

Working range:	
BENDS	 40 ÷ 200 mm 0° ÷ 45°
WYES (Y)	 63 ÷ 160 mm 45° ÷ 60°
TEES – CROSSES	 63 ÷ 160 mm
Angle reading sensitivity	± 1 °
Power supply	230 V-Single phase-50/60 Hz
Power absorbed by the TP	1300 W
Power absorbed by the milling cutter	750 W
Power absorbed by the gearcase	370 W
Total absorbed power	2420 W
Working temperature	180 ÷ 300°C (*)
Room temperature range	-5 ÷ +40°C
Overall cylinder section	2,898 cm ² with upper cylinder 5,796 cm ²
Pressure working range	0 ÷ 150 bar
(*) Materials	PE, PP, PVDF and other plastic materials



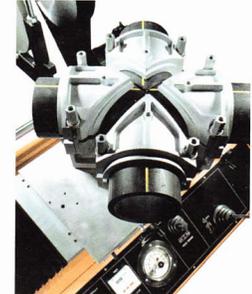
Upper cylinder



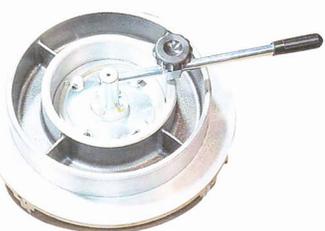
Bends clamps



Wyes (Y) clamps + Left Bends clamp



Tees/crosses clamps



Tool for flange neck



Special clamps

DIMENSIONS (W x D x H)	
Machine body	1060 x 1210 x 1580 mm
BENDS clamps	280 x 110 x 290 mm
WYES (Y) clamps	330 x 220 x 260 mm
TEES/CROSSES clamps	220 x 180 x 260 mm
Special clamp	305 x 75 x 335 mm
Tool for flange necks	300 x 190 x 490 mm
INSPECTOR data-logger	See page 49

WEIGHT	
Machine body	248,00 Kg
BENDS clamps (2 pcs.) with adapters	22,00 Kg
WYES (Y) clamps (2 pcs.) with adapters	44,00 Kg
TEES/CROSSES clamps (4 pcs.) with adapters	40,00 Kg
Special clamp	10,00 Kg
Tool for flange necks	7,00 Kg
INSPECTOR data-logger	See page 49

Weight (Kg) - special clamp adapters (2 pcs./Ø)									
Ø 40	Ø 50	Ø 63	Ø 75	Ø 90	Ø 110	Ø 125	Ø 140	Ø 160	Ø 180
3,88	3,75	3,63	3,50	3,33	3,13	2,88	2,63	2,25	2,00
Total weight: 32,78 Kg									

Weight (Kg) - lateral supports adapters (1 pc./Ø)										
Ø 110	Ø 125	Ø 140	Ø 160	Ø 180	Ø 200	Ø 225	Ø 250	Ø 280	Ø 315	Ø 315
0,51	0,49	0,46	0,43	0,40	0,39	0,31	0,25	0,17	0,10	0,05
Total weight: 3,56 Kg										