COMPACT 160



The **COMPACT 160** is a manual hydraulic mirror welding machine, suitable for welding pressure piping systems for water, gas, or other media. The machine has a range of **40 to 160 mm** and is built according to international standards (UNI 10565, ISO 12176-1).

The machine contains:

- A machine slide with frame, 2 clamps, 2 hydraulic cylinders and hydraulic hoses with anti-puncture couplings that can be plugged in and out quickly.
- A PTFE coated welding mirror with a built-in thermometer, and a high-precision digital-electronic thermoregulator "Digital Dragon" (± 1%). This system contains LED indicators and monitors the normal operation of the machine (voltage and temperature control).
- A removable planer to straighten the ends of the pipe/fitting. This includes a safety micro-switch and a thermal circuit breaker.
- An electric-hydraulic control box, protected against impact and atmospheric corrosion by means of a plastic box. The control cabinet contains a lever to operate the clamps (open-close), a maximum pressure and discharge valve (also usable for the "dual pressure" welding process), an analog reading of the current pressure and a timer to keep an eye on the welding times.
- The machine is equipped with a connection for the electronic data logging unit "THE INSPECTOR".
- A holder for planer and welding mirror

With the **COMPACT 160** you can weld pipes and fittings such as knees, tees, Y-pieces and collar bushings.
The machine slide can be removed from its frame, to act as a very compact model and to carry out repair welding, or to weld fitting fitting.



TECHNICAL DATA

		COMPACT 160
Diameter range	Ø	40 - 160 mm
SDR range	SDR	SDR 41 - 6
Materials		HDPE, PP, PVDF
Power supply		230 V Single Phase
Total power consumption	W	2220 W
Recommended generator		3.5 / 4 kVA
Temperature setting range	°C	180°C / 280°C
Ambient temperature	°C	-10°C / 40°C
Time needed to reach welding temperature		< 20'
Noise level	LwA	72 dB (A)
Memory		-
Pre-adjustable welding cycles		-
Wi-Fi ready		-
GPS		-
Mirror temperature		Adjustable
Mirror temperature readable		Digital
Automatic extraction welding mirror		-
Automatic extraction of the planer		-
Smartlock inserts		-
Lifting support clamps-heating plate-flat planer		-
Machine base dimensions	L x W x H	495 x 404 x 294 mm
Dimensions control box	L x W x H	470 x 250 x 370 mm
Machine base weight	kg	22 kg
Weight gearcase	kg	26 kg
Weight planer	kg	9 kg
Weight heating plate	kg	3 kg
Weight support	kg	6 kg
Weight standard composition	kg	67 kg

MACHINES

93650020	COMPACT 160 V2 (230V - 1~) Complete
81740967	COMPACT 160 Only Machine body

OPTIONS

85234062	EXTRA (THIRD) CLAMP COMPACT 160
87293818	SET OF INSERTS 40 - 140 (1 clamp) COMPACT 160
87291629	INSERTS DIAM.40 MM (1 clamp) COMPACT 160
87291901	INSERTS DIAM.50 MM (1 clamp) COMPACT 160
87299243	INSERTS DIAM.63 MM (1 clamp) COMPACT 160
87292718	INSERTS DIAM.75 MM (1 clamp) COMPACT 160
87292999	INSERTS DIAM.90 MM (1 clamp) COMPACT 160
87293280	INSERTS DIAM.110 MM (1 clamp) COMPACT 160
87293546	INSERTS DIAM.125 MM (1 clamp) COMPACT 160
87293814	INSERTS DIAM.140 MM (1 clamp) COMPACT 160