



### Worldpoly1600 Hydra HF

**Worldpoly1600 Hydra HF.** Hydraulically operated and CNC controlled butt-welding machine suitable for PE and PP pipes and fittings from 900 to 1600mm OD. The machine is the result of more than 60 consecutive years of direct involvement in the PE pipe industry, providing premium equipment for welding both on the work-site and in the factory. The use of virgin Aluminium castings and German hydraulic seals allows for lower weight without compromising strength and performance. Operation is via our portable wired console. This machine comes with high quality hinged steel main clamps & hydraulic open/close & locking. Includes Remote Monitoring System for on-line assistance; PLC control of temperature; time and pressure; on-board data logging and the ability to weld between clamps 2 & 3 or 3 & 4 making this an exceptionally versatile machine.

#### TECHNICAL SPECIFICATIONS

Standard welding range 1600mm SDR 17 to 1000mm SDR 11, or 32" DR 9 to 63" DR 17 IPS

Genuine 2 year international warranty

CNC welding control of temperature, time and pressure using touch screen and tablet.

Hydraulic open/close/locking of main clamps

Main frame includes 4 steel main clamps of 1600mm diameter.

Alternatively main clamps diameter 63" IPS

One-piece clamps 1600 x 1400, 1600 x 1200, 1600 x 1000, 1600 x 1000 & 1200 x 900mm

Alternatively one-piece clamps 63" x 54", 63" x 48", 63" x 42" & 63" x 36" IPS

Electric facing tool with current overload protection.

Aluminium PTFE coated heating plate with electronic temperature control. Heating plate automatically releases from pipe ends after heating.

Stand for heating plate and facing tool.

Tool box including tools, bolts etc.

400 volt 3 phase 50/60 Hz (54 kw 86 A)

Minimum generator 400 volt 60 KVA. Check with your generator supplier for suitability.

Also available as 480 volt 3 phase 60 Hz

Total cylinder section to your requirements - high, medium or low

Please note technical specifications of Worldpoly machines may change without notice