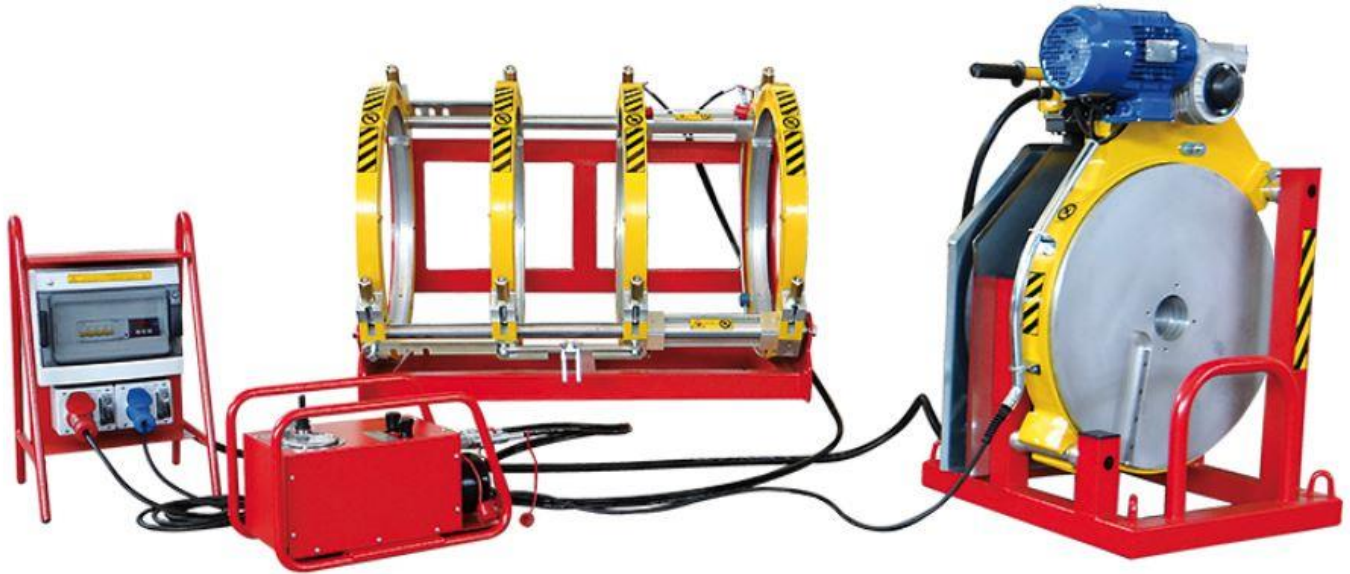




SP 630 (250mm - 630mm)

Hydraulically Operated Butt Fusion Welding Machine



SP 630 (250mm - 630mm) Hydraulically Operated Butt Fusion Welding Machine - Capable of welding pipe to pipe and pipe to fitting butt fusion welded joints in the following materials HDPE & PP.

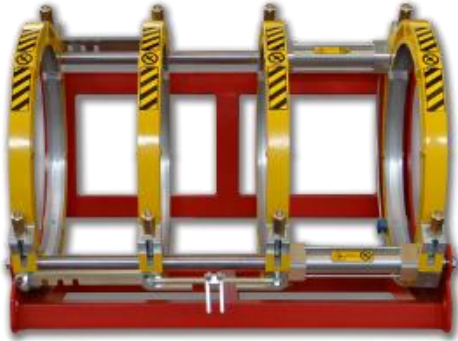
The complete machine consists of the following:-

- Basic machine body
- PTFE coated Heating Element
- Electronic Control Box for the Heating Element
- Hydraulic Power Unit c/w: Pressure Gauge
- Pipe End Planning Tool with double edged blades, reversible
- Pair of flexible hydraulic pipes with quick release coupling
- Holder (for Heating Element and Pipe End Planning Tool)
- Full set of pipe/fitting clamp reductions: Sizes 250, 280, 315, 355, 400, 455, 500 & 560mm

Please Note: The machine is available in 230v/400v 3 Phase Power

Additional Optional Accessories (Sold separately to the machine):

- Stub Flange Clamp Device
- GR180 - SP 630: Professional Crane/Hoist for safely handling the PTFE Coated Heating Element & the Pipe End Planning Tool
- Welding recorder - for data retrieval



630P.0AV1

Machine Main Frame c/w: 4 No. \varnothing 630 mm Main Clamps fixed to a slanting frame; sliding hardened chromate guides; third adjustable jaw; quick hydraulic release couplings (non-drip); automatic release of heating plate when welding is complete.

Welding capacity	\varnothing 250 ÷ \varnothing 630 mm
Pipe/Fitting Material	PE, PP, PPR, PVDF
Weight	173 Kg
Dimensions	1200 × 900 x 900 mm
Cross sectional diameter of the cylinder	1413 mm ²
Carriage stroke/length	239 mm



160P.0B

PTFE Coated Heating Plate with remote adjustable electronic temperature control & mains power cable with plug for the remote adjustable electronic temperature control box.

Welding capacity:	\varnothing 160 mm
Electronic adjustment of temperature	50°C ÷ 300°C
Weight	5 Kg
Dimensions	470 × 400 x 50 mm
Power	1 kw
Voltage	230 Volt – 50/60 Hz



160P.0C

Hydraulic unit complete with pressure gauge – Class 1.0 (0 - 160 bar). Throttle valve and drive cylinders joystick; quick hydraulic quick release couplings (non-drip)

Motor Power	0.75 Kw
Voltage	230v -50/60
Type of oil recommended	ISO VG 68- 1,5l
Pressure Gauge	Class 1 – Gauge Diameter Ø 100 mm – Scale on Gauge 0 to 160 bar
Pump Features	Swept volume 1,2 cm ³ capacity 1,58 l/min; revs no. 1400 r/min
Operational Pressure	Up to 150 bar
Weight	25 Kilos
Dimensions	280 mm x 430 mm x 310 mm



630P.0DV1

Pipe End Planer with safety lock & micro switch which only engage when the planer is sat in the machine frame.
c/w: Double-edged, reversible blades.

Electric motor power	1.8 kW
Drive Type	Chain Driven
Voltage	400V – 3 Phase - 50/60 Hz
Dimensions	830 mm x 230 mm x 1000 mm
Weight	98 Kilos



250P.0E

Pair of flexible hydraulic pipes with quick release (non-drip) couplings

Length	4 Mtr
Weight	1.5 Kilos



630P.1F

Steel holder for Heater Plate & Pipe End Planer

Weight	50 Kilos
Dimension	900 mm x 400 mm x 820 mm



630P.0VV2

Electronic thermostat box supplied with digital display and temperature adjustment.

Voltage	400 Volt 3P+N+T – 50/60 Hz
Power	10,7 kW
Adjustable Electronic Temperature Control	50°C to 300°C
Weight	8 Kilos
Dimensions	260 mm × 360 mm x 225 mm



Reducer Inserts

Level Reducers or Pipe	Sizes: Ø 250, 280, 315, 355, 400, 450, 500 and 560 mm
Bevelled Reducers for Fittings	Sizes: Ø 250, 280, 315, 355, 400, 450, 500 and 560 mm

Barnes

Plastic Welding Equipment Ltd.



Wooden Transport Boxes/Cases

1 – for the Machines and Accessories

1 – for the Reducing Inserts

Optional Extras:-

GR 180 – SP 630 Crane

The new GR 180 – SP 630 Crane is the best solution for safe 'on site' handling of the Heating Element and Pipe End Planning Tool on the SP 630 Butt Fusion Welding Machine.

The change-over times of the Heating Element and Pipe End Planning are both vastly reduced compared to the use of alternative lifting devices.

Our dual-speed button panel allows a quick removal of Heating Element during the welding process.

The Crane Kit also includes stabilizers that are fixed to the basic frame, in order to avoid the machine turning over and to ensure a safe working platform.

It is equipped with a fixing system that allows the quick separation of the crane from the welding machine in order allow easier transportation of the Crane.

Technical features:

Height: 1900 mm

Lifting capacity: 180 Kg

Rotation Capacity: 360°

Voltage: 230 V - 50 Hz

Power: 3 kW

Total weight: 105Kg





Stub Flange Clamp Device

For clamping Stub flanges 315 - 630mm

Weight	40 Kilos
Dimensions	Ø 685 mm diameter



SP. RECORDER

Welding recorder - for data retrieval of butt fusion welded joints

Recordable Pressure Rating	250 bar
Power	0.2 kW
Voltage	230v – 50/60 Hz
Weight	5.4 Kilo
Dimensions	410 mm x 330 mm x 175 mm

Data, drawings & images are approximate. The manufacturer reserves itself to make appropriate changes.