

# FIELD WELDING MACHINES



Equipment for welding and fusion of pipes and fittings in the field. Includes pipeline welding equipment for low and high-force fusion, hydraulic and manual machines. The Worldpoly range of machines can suit any application or budget.

- **FIELD WELDING MACHINES - METRIC**
- **FIELD WELDING MACHINES - IMPERIAL**
- **FIELD WELDING MACHINES - RENTAL**



## PolyRover630/24 Trench

**Australian Made PolyRover630/24 Trench reduces workload and the need for extra support equipment on remote sites, allowing faster, more efficient welding of PE and PP pipelines.**

**Fast changeover time improves weld quality and consistency.**

**Practical design using Bosch Rexroth hydraulics, PolyRover features hydraulically lifted facing tool and heating plate, hydraulic pump and controls all on-board the main frame, easy trench use, welding between clamps 2 and 3 or 3 and 4 for tight fittings work, plus high quality and sturdy construction, provides an excellent machine for pipeline welding. Born from more than 55 years and three generations of experience with PE pipe and three dedicated years of research and development with Bosch Rexroth, and having clients in more than 105 countries, Worldpoly manufactures the PolyRover range in Australia to provide a single platform for welding, according to low and optionally high pressure standards. Worldpoly PolyRover machines are specifically designed for use in rugged and remote terrain, are easily operated and are pre-wired for the attachment of Worldpoly or other data loggers.**

### TECHNICAL SPECIFICATIONS

Australian made

Genuine 5 year international warranty

Main frame includes:

- 4 clamp sets for 630mm diameter
- Welding range 315mm to 630mm, SDR 9 (PN16) to SDR 41 (PN4), according to DVS, ISO and AUS/NZ POP003 low force
- High pressure welding option available according to USA, ISO and AUS/NZ POP003 high pressure Standards, welding range 315 to 630mm or 12" to 24"
- Easily able to weld between clamps 3 and 4 for tight fittings and fabrications
- Entire welding frame with 4 clamps and all hydraulics is easily removed for trench work, allowing accurate alignment
- Fork lift and overhead lifting points

Includes reducing liners to weld pipe within the complete specified range:

- Metric – 630, 560, 500, 450, 400, 355 and 315mm OD

Alternatively:

- Inch – 24, 22, 20, 18, 16, 14 and 12"

Hydraulically lifted cast Aluminium PTFE coated heating plate with electronic temperature control and insulated cover

Hydraulically lifted and electrically operated cast Aluminium electric facing tool, thermostatically controlled with current overload protection

High quality and remotely serviceable Bosch Rexroth electro-hydraulic pump and hydraulics.

Wired ready to accept Worldpoly and other data loggers

Operating voltage:

- Standard 400 volt 3 phase 50 Hz 16.8kW. Requires generator minimum 18 KVA.

Modular controls located in convenient operator position include:



- All hydraulic operation controls
- Digital pressure readout
- Countdown timer
- Emergency stop
- IP63

Tool box including spare blades, thermocouple, temperature controller, tools etc

Options include:

- Welding according to low pressure, or alternatively both low and high pressure welding standards (must be specified at time of quotation / order confirmation)
- Stub end device for welding end fittings (available in Aluminium or Steel)

Clamp options include:

- Layer clamps metric: 630 x 560, 560 x 500, 500 x 450, 450 x 400, 400 x 355 and 355 x 315mm
- Layer clamps inch: 24" x 22", 22" x 20", 20" x 18", 18" x 16", 16" x 14" and 14" x 12"
- Narrow clamps metric: 630 x 560, 630 x 500, 630 x 450, 630 x 400, 630 x 355, 630 x 315mm, as required for welding injection moulded or short-spigot fittings
- Two-piece clamps: 630 x 560, 630 x 500, 630 x 450, 450 x 400, 450 x 355, 450 x 315.

Please note technical specifications of Worldpoly machines may change without notice



## PolyRover630/24 AllTerrain

Worldpoly PolyRover630/24 AllTerrain. Reducing workload and the need for extra support equipment on remote sites allows for faster, more efficient welding of PE and PP pipelines.

Fast changeover time improves weld quality and consistency.

Practical Australian design with hydraulically lifted facing tool and heating plate, optional hydraulic open/close/locking of pipe clamps, hydraulic pipe lifters left and right, hydraulic pump and controls all on-board the main frame, plus high quality and sturdy construction provides an excellent machine for pipeline welding. Born from more than 55 years and three generations of experience with PE pipe plus 3 years of dedicated research and development with Bosch Rexroth, and having clients in more than 105 countries, Worldpoly manufactures the PolyRover range in Australia to provide a single platform for welding, according to low-force or optionally high-force standards. Worldpoly PolyRover machines are specifically designed for use in rugged and remote terrain, easily operated and are pre-wired for the attachment of Worldpoly or other data loggers. Hydraulics are highest quality and internationally serviceable Bosch Rexroth. Electrics are all local. Absolutely Australian Made. Unbeatable.

### TECHNICAL SPECIFICATIONS

Australian made

Genuine 5 year International warranty

Main frame includes 4 clamp sets for 630mm diameter:

- Welding range 315mm to 630mm, SDR 9 (PN16) to SDR 41 (PN4), according to DVS, ISO and AUS/NZ POP003 low force
- High force welding option available according to USA, ISO and AUS/NZ POP003 high pressure Standards.
- Easily able to weld between clamps 3 and 4 for tight fittings and fabrications
- Entire welding frame with 4 clamps easily removed for trench work, allowing accurate alignment
- Fork lift and overhead lifting points

Includes reducing liners to weld pipe within the complete specified range:

- Metric – 630, 560, 500, 450, 400, 355 and 315mm OD

Alternatively:

- Inch – 24, 22, 20, 18, 16, 14 and 12"

Hydraulically lifted cast Aluminium PTFE coated heating plate with electronic temperature control and insulated cover

Hydraulically lifted and electrically operated cast Aluminium electric facing tool, thermostatically controlled with current overload protection

High quality and remotely serviceable Bosch Rexroth electro-hydraulic pump, valves and controls

Wired ready to accept Worldpoly and other data loggers

Operating voltage:

- Standard 400 volt 3 phase 50 Hz 14.6kW, 23A. Requires generator minimum 18 KVA.



Modular controls located in convenient operator position include:

- All welding operation controls
- Digital pressure readout
- Countdown timer
- Emergency stop

Steerable wheeled base readily removable for trench work

- High quality wide profile all-terrain wheels and tyres
- Hydraulic pipe lifters front and rear
- Offset steering
- Not road registrable

Tool box including spare blades, thermocouple, temperature controller, tools etc

Options include:

- Welding according to low pressure, or alternatively both low and high pressure welding standards
- Stub end device for welding end fittings (available in Aluminium or Steel)

Clamp options include:

- Supplied with the machine - Layer clamps metric: 630 x 560, 560 x 500, 500 x 450, 450 x 400, 400 x 355 and 355 x 315mm
- Optional layer clamps inch: 24" x 22", 22" x 20", 20" x 18", 18" x 16", 16" x 14" and 14" x 12"
- Two-piece clamps 630 x 560, 630 x 500, 630 x 450, 450 x 400, 450 x 355, 450 x 315mm
- Narrow clamps metric: 630 x 560, 630 x 500, 630 x 450, 630 x 400, 630 x 355, 630 x 315mm, as required for welding injection moulded or short-spigot fittings

Please note technical specifications of Worldpoly machines may change without notice



## PolyRover1000 AllTerrain

Worldpoly PolyRover1000 AllTerrain. Reducing workload and the need for extra support equipment on remote sites allows for faster, more efficient welding of PE and PP pipelines.

Fast changeover time improves weld quality and consistency.

Practical Australian design with hydraulically lifted facing tool and heating plate, optional hydraulic open/close/locking of pipe clamps, hydraulic pipe lifters left and right, hydraulic pump and controls all on-board the main frame, plus high quality and sturdy construction provides an excellent machine for pipeline welding. Born from more than 55 years and three generations of experience with PE pipe plus 3 years of dedicated research and development with Bosch Rexroth, and having clients in more than 105 countries, Worldpoly manufactures the PolyRover range in Australia to provide a single platform for welding, according to low force standards. Worldpoly PolyRover machines are specifically designed for use in rugged and remote terrain, easily operated and are pre-wired for the attachment of Worldpoly or other data loggers. Hydraulics are highest quality and internationally serviceable Bosch Rexroth. Electrics are all local. Absolutely Australian Made. Unbeatable.

### TECHNICAL SPECIFICATIONS

Australian made

Genuine 5 year International warranty

Main frame includes 4 clamp sets for 1000mm diameter:

- Welding range 500mm to 1000mm, SDR 9 (PN16) to SDR 41 (PN4), according to DVS, ISO and AUS/NZ POP003 low force
- High force welding option available according to USA, ISO and AUS/NZ POP003 high pressure Standards.
- Easily able to weld between clamps 3 and 4 for tight fittings and fabrications
- Entire welding frame with 4 clamps easily removed for trench work, allowing accurate alignment
- Fork lift and overhead lifting points

Includes reducing liners to weld pipe within the complete specified range:

- Metric – 1000, 900, 800, 710, 630, 560 & 500mm OD

Hydraulically lifted cast Aluminium PTFE coated heating plate with electronic temperature control and insulated cover

Hydraulically lifted and electrically operated cast Aluminium electric facing tool, thermostatically controlled with current overload protection

High quality and remotely serviceable Bosch Rexroth electro-hydraulic pump, valves and controls

Wired ready to accept Worldpoly and other data loggers

Operating voltage:

- Standard 400 volt 3 phase 50 Hz 30.8 kw, 50.2 A.

Modular controls located in convenient operator position include:

- All welding operation controls
- Digital pressure readout



- Countdown timer

- Emergency stop

Steerable wheeled base readily removable for trench work

- High quality wide profile all-terrain wheels and tyres

- Hydraulic pipe lifters front and rear

- Offset steering

- Not road registrable

Tool box including spare blades, thermocouple, temperature controller, tools etc

Options include:

- Welding according to low pressure, or alternatively both low and high pressure welding standards

- Stub end device for welding end fittings (available in aluminium or steel)

Clamp options include:

- Supplied with the machine - Layer clamps metric: 1000x900, 900x800, 800x710, 710x630, 630x560 & 560x500mm

- Two-piece clamps 1000x900, 1000x800, 1000x710, 1000x630, 630x560 & 630x500mm

- Narrow clamps metric: 1000x900, 900x800, 800x710, 710x630, 630x560 & 560x500mm, as required for welding injection moulded or short-spigot fittings

Please note technical specifications of Worldpoly machines may change without notice



## PolyForce630/24 CNC Trench

Worldpoly PolyForce630/24 CNC AllTerrain Fusion Machine. Australian Made.

Born from more than 50 years and three generations of experience with PE pipe and a 3 year dedicated research and development project with Bosch Rexroth, Worldpoly manufactures the PolyRover and PolyForce range in Australia to provide today's HDPE pipe fusion machine for welding according to both high and low pressure standards.

PolyForce630 CNC provides the highest quality and most consistent high and low pressure butt fusion possible. High pressure (SHP) SDR 11 HDPE butt welds consistently test between 101% and 107% of host pipe strength.

Under the correct site conditions, PolyForce630/24 CNC can reduce welding time by more than 50%.

Occupational Health and Safety friendly operation.

Two-handed controls with dead-man switches, keyed hydraulic safety lockout, 4 x Cat3 E-stops, restricted human entry to danger zones. Operator training provided with every machine, including registered licence.

Machine can be set to operate only when this licence number is entered.

3.5 second automatic changeover time for 630mm / 24" OD SDR 11, and impossible to crash pipe faces after heating - reduces or eliminates brittle failure through operator variables.

Automatic intuitive CNC or manual control. Highest possible level of HDPE pipe weld quality, and easier to use than a smartphone.

Automatic control of temperature, time and pressure through the use of Bosch Rexroth's almost indestructible mobile PLC – the same as is used in underground rock drills.

Fully automatic heating, changeover and cooling cycle following entry of welding standard, pipe diameter and wall thickness or SDR.

Automatic detection of pipe slippage.

Incorporated 5,000 weld data logging, optional remote Bluetooth, GPS & Satellite communication, and GPS.

Hydraulic open/close/locking clamps, heating plate and facing tool without operator contact.

Clamps, heating plate and facing tool cannot crash.

Butt welding between clamps 2 & 3 or 3 & 4 for fittings, fabrications etc..

Australian designed and manufactured, the toughest and arguably most easily operated HDPE pipe welding machine on the market.

PolyForce630/24 CNC reduces welding time and workload on remote sites, allowing superb quality control, and faster, more efficient butt fusion of PE and PP pipelines.

Practical design with the ability to butt weld HDPE pipe



at both high and low pressure.  
 Manual or CNC operation, hydraulically lifted facing tool and heating plate, hydraulic controls and pump all on-board the main frame.  
 Hydraulic open/close/locking of pipe clamps - with crash protection and without operator contact during operation. Easy pipeline, trench or workshop butt fusion machine, supplied complete and ready to weld from 315 to 630mm / 8" or 12" to 24" diameter pipes and fittings between clamps 3 & 4 for tight work, plus high quality and sturdy construction provides an excellent platform for pipeline welding.  
 Worldpoly PolyForce630/24 CNC is specifically designed for use in rugged and remote terrain, available in tracked, wheeled or basic options, easily operated CNC or manual control with operator safety well considered, and includes 5000 weld data logger.  
 Standard pricing includes all diameter clamps and stub device.  
 PolyForce630 CNC. Today's HDPE fusion welder to take your business to the next level.

**TECHNICAL SPECIFICATIONS**

- PolyForce630/24 Trench - Australian Made
  - Genuine 5 year international warranty
  - Hydraulic in/out facing tool and heating plate with crash protection. No longer are these considered consumables
  - Hydraulic open/close/locking of main clamps without operator contact
  - Simple operation. Automatic or manual. Integral 5000+ weld data logger
  - Bosch Rexroth hydraulics for highest quality and local serviceability
  - Pipe clamps prevent slippage even under extreme conditions. Machine detection of pipe slippage in case of significantly undersized pipe.
  - External hydraulic pipe lifters front and rear
  - Self-contained welding unit easily moved for site and trench work
  - Built tough, locally serviceable, low-noise. Just what you've been looking for
  - Capacity 315 to 630mm OD. Two-piece clamp inserts for pipe and fittings diameters 630, 560, 500, 450, 400, 355, 315, 280, 250 & 225mm (or 24" to 8").
  - Hydraulics and controls - Bosch Rexroth, locally serviceable
  - Welded steel welding machine frame
  - Rated lifting points on welding machine and frame. Optional spreader bar
  - Maximum pump operating pressure - 200 bar / 20 MPa
  - Total cylinder section - 3660mm<sup>2</sup>
  - Weight - 1400 kg
- Technical specifications subject to change without notice. Please check at time of order confirmation.



## PolyForce630/24 CNC AllTerrain

**Worldpoly PolyForce630/24 CNC AllTerrain Fusion Machine.  
Australian Made.**

The fastest, safest, most consistent butt welding machine available. Thanks to 3 years of research and development with Bosch Rexroth and Worldpolys' 50+ years of PE pipeline experience, every weld is the same. PolyForce630 CNC gives you complete control over welding by removing operator variables.

Providing both high and low pressure welding to ASTM, ISO, Australian/New Zealand, DVS, WIS and Fast Weld, Fast Fusion compatible.

Fully automatic heating, changeover and cooling cycle following entry of welding standard, pipe diameter and wall thickness or SDR, automatic detection of pipe slippage, hands-free hydraulic open/close/locking of main clamps.

Heavy duty all-terrain trolley with offset steering for pipeline use and disc brakes.

Intuitive CNC controls easier to use than a smart-phone, impossible to crash clamps with facing tool or heating plate, 4 second automatic changeover after heating, the safest machine on the market with keyed hydraulic lockout and Cat-3 E-stops, restricted operator entry to potential danger zones, internal 5,000 weld data logger, three speed rubber tracks, cordless remote control, external pipe lifters, and the ability to collect and communicate data externally, this is today's way to weld PE and PP pipe systems from 630mm to 225mm, or 24" to 8".

Today's fusion machine to take your business to the next level.

### TECHNICAL SPECIFICATIONS

PolyForce630 AllTerrain - Australian Made

Genuine 5 year international warranty

All-terrain heavy duty wheeled base

Hydraulic in/out facing tool and heating plate with crash protection. No longer are these considered consumables

Hydraulic open/close/locking of main clamps without operator contact

Simple operation. Automatic or manual. 5000+ weld data logging as standard

Bosch Rexroth hydraulics for highest quality and local serviceability

Pipe clamps prevent slippage even under extreme conditions. PLC automatically measures drag, and detects slippage

External hydraulic pipe lifters front and rear

Self-contained welding unit easily removed for site and trench work

Built tough, locally serviceable. Just what you've been looking for

Capacity 255 to 630mm OD. Two-piece clamp inserts for pipe and fittings diameters 630, 560, 500, 450, 400, 355, 315, 280, 250 & 225mm,



and stub device, are included.

Welded steel machine frame and heavy duty wheeled base

Disk brakes.

Rated lifting points on welding machine and frame, spreader bar included

Maximum pump operating pressure - 200 bar / 20 MPa

Total cylinder section - 3660mm<sup>2</sup>

Weight - 1800 kg

Technical specifications subject to change without notice. Please check at time of order confirmation.

Specifications are subject to change without notice. Please confirm at time of purchase.



## PolyForce630/24 CNC Track

Worldpoly PolyForce630/24 CNC Track.  
Australian Made.

The fastest, safest, most consistent and economical butt welding machine available. Thanks to 3 years of research and development with Bosch Rexroth and Worldpolys' 50+ years of PE pipeline experience, every weld is the same. PolyForce630 CNC gives you complete control over welding by removing operator variables. Providing both high and low pressure welding to ASTM, ISO, Australian/New Zealand, DVS, WIS and Fast Weld, Fast Fusion compatible.

Fully automatic heating, changeover and cooling cycle following entry of welding standard, pipe diameter and wall thickness or SDR, automatic detection of pipe slippage, hands-free hydraulic open/close/locking of main clamps.

Intuitive CNC controls easier to use than a smart-phone, impossible to crash clamps with facing tool or heating plate, 4 second automatic changeover after heating, the safest machine on the market with keyed hydraulic lockout and Cat-3 E-stops, restricted operator entry to potential danger zones, internal 5,000 weld data logger, three speed rubber tracks, cordless remote control, external pipe lifters, and the ability to collect and communicate data externally, this is today's way to weld PE and PP pipe systems from 630mm to 225mm, or 24" to 8".

Today's fusion machine to take your business to the next level.

### TECHNICAL SPECIFICATIONS

PolyForce630/24 Tracked HDPE Fusion Machine - Australian Made

Track mounted. Self contained and self propelled

Genuine 5 year International warranty

CNC welding according to the following Standards:

- ISO 21307-2011 Single Low Pressure

- ISO 21307-2011 Dual Low Pressure

- ISO 21307-2011 Single High Pressure

- POP003 Single Low Pressure

- POP003 Dual Low Pressure

- POP003 Single High Pressure

- DVS 2207-1-2007

- WIS 4-32-08 Single Pressure Welding

- WIS 4-32-08 Dual Pressure Welding

- WIS 4-32-08 UKWIR Fastweld

Hydraulic in/out facing tool and heating plate with crash protection. No longer are these considered consumables



Hydraulic open/close/locking of main clamps without operator contact. Impossible to crash main clamps with facing tool and heating plate.

Perkins on-board, low-noise, low fuel consumption 1500 RPM generator. 65 dB at operator position

Simple operation. Automatic or manual butt fusion. 5000+ weld data logging included. 3.5 second changeover time for 630mm (24") SDR 11 in Automatic mode

Bosch Rexroth hydraulics - locally serviceable. Remote communication options using GSM, Satellite and Bluetooth. GPS compatible

Pipe clamps prevent slippage even under extreme conditions, which is detected by the machine in case of undersized pipe

External hydraulic pipe lifters front and rear

Italian track assembly, Bridgestone rubber tracks, three-speed, 30+ degree capacity, automatic braking when stopped

Butt welding unit easily removed for site and trench work

Long operating time thanks to 1500 RPM low-noise diesel - 18 to 25 hours under normal welding conditions

Built tough, locally serviceable, low-noise. Just what you've been looking for

Clamp options:

Capacity 225 to 630mm OD. Includes two-piece clamp inserts for pipe and fittings diameters 630, 560, 500, 450, 400, 355, 315, 280, 250 & 225mm, and stub device, are included.

Alternatively, capacity 8" to 24" IPS. Two-piece clamp inserts for pipe and fittings diameters 24", 22", 20", 18", 16", 14", 12", 10" & 8", and stub device, are included

Electric start with remote start and fuel gauge on operator side

Welded steel machine frame and tracked base

Wired remote control. Optional wireless remote with drop and tilt protection

Rated lifting points on welding machine and frame, optional spreader bar

Maximum pump operating pressure - 200 bar / 20 MPa

Total cylinder section - 3660mm<sup>2</sup>

Fuel capacity - 70 litres

Engine - Perkins 2216 cc, 4 cylinder turbo, 1500 RPM low-noise diesel

Weight - 3400 kg

Technical specifications subject to change without notice. Please check at time of order confirmation.



## PolyForce1000/40 CNC Trench

Worldpoly PolyForce1000/40 Trench.

High and low pressure welding.

Hydraulic open/close/locking clamps with crash protection.

Tracked, AllTerrain or Trench.

Intuitive CNC or manual control. 2000 weld data logging when selected.

Hydraulic open/close heating plate and facing tool.

Bosch Rexroth hydraulics for easy local service.

Weld between clamps 2 & 3 or 3 & 4.

Australian engineered, the toughest and arguably most easily operated machine on the market.

PolyForce1000/40 reduces welding time and workload on remote sites, allowing faster, more efficient welding of PE and PP pipelines. Under the correct site conditions, high pressure welding of PE pipe can reduce welding time by up to 50%.

Practical design with the ability to weld at both high and low pressure, manual or CNC operation, hydraulically lifted facing tool and heating plate, hydraulic controls and pump all on-board the main frame. Hydraulic open/close/locking of pipe clamps - with crash protection and without operator contact during operation. Easy trench welding, supplied complete and ready to weld from 500 to 1000mm or 20" to 40" diameter pipes and fittings between clamps 2 & 3, or 3 & 4 for tight work, plus high quality and sturdy construction provides an excellent machine for pipeline welding. Born from more than 50 years and three generations of experience with PE pipe, and having clients in more than 100 countries, Worldpoly manufactures the PolyRover and PolyForce range to provide a single platform for welding, according to high and low pressure standards. Worldpoly PolyForce1000/40 Trench is specifically designed for use in rugged and remote terrain, available in tracked, wheeled or trench options, easily operated CNC or manual control with operator safety well considered, and is pre-wired for the attachment of Worldpoly or other data loggers. Standard pricing includes all diameter clamps and stub device.

### TECHNICAL SPECIFICATIONS

As PolyForce1000 AllTerrain, without trolley

For Indication Only



## PolyForce1000/40 CNC AllTerrain

Worldpoly PolyForce1000/40 AllTerrain.

High or low force welding.

Intuitive CNC control, 2000 weld data logging as standard.

Hydraulic open/close/locking clamps with crash protection.

Hydraulic open/close in/out heating plate and facing tool.

Bosch Rexroth hydraulics for easy local service.

Weld between clamps 2 & 3 or 3 & 4.

Australian engineered, the toughest and arguably most easily operated machine on the market.

PolyForce1000/40 AllTerrain reduces welding time and workload on remote sites, allowing faster, more efficient welding of PE and PP pipelines. Under the correct site conditions, high or low pressure welding of PE pipe can reduce welding time by 50%.

Practical design with the ability to weld at high force, CNC operation, hydraulically lifted facing tool and heating plate, hydraulic controls and pump all on-board the main frame. Hydraulic open/close/locking of pipe clamps - with crash protection and without operator contact during operation. Easy trench welding, supplied complete and ready to weld from 500 to 1000mm or 20" to 40" diameter pipes and fittings between clamps 2 & 3, or 3 & 4 for tight work, plus high quality and sturdy construction provides an excellent machine for pipeline welding.

Born from more than 50 years and three generations of experience with PE pipe, a three year research and development program with Bosch Rexroth, and having clients in more than 100 countries, Worldpoly manufactures the PolyRover and PolyForce range to provide a single platform for welding, according to high and low pressure standards.

Worldpoly PolyForce1000/40 AllTerrain is specifically designed for use in rugged and remote terrain, available in tracked, wheeled or trench options, easily operated CNC control with operator safety well considered, and data logging as standard. Standard pricing includes all diameter clamps and stub device.

### TECHNICAL SPECIFICATIONS

PolyForce1000 Australian Engineered Butt Welding Machine, including on-board hydraulic pump, controls, hydraulically movable facing tool and heating plate, hydraulic open/close/locking of pipe clamps

Provides high or low pressure welding operation.

Welding operation by CNC, includes 2000 weld data logging.

Genuine 5 year international warranty.

• Welding range 500 to 1000mm SDR11, according to DVS, ISO and AUS/NZ POP003 high and low force specifications.



- Easily able to weld between clamps 3 and 4 for tight fittings and fabrications.
- Entire welding frame with 4 clamps and complete hydraulic system easily removed for trench work, allowing accurate alignment.
- Fork lift and overhead lifting points.

Includes two-piece reducing liners to weld pipe within the complete specified range:

- Metric – 1000, 900, 800, 710, 630, 560 and 500mm OD.
- Optional inch clamps 42", 36", 32", 28", 24", 22" & 20".

Hydraulic open/close/locking of pipe clamps with clamp crash protection, and no operator contact during operation.

Hydraulically lifted cast Aluminium PTFE coated heating plate with electronic temperature control and insulated cover.

Hydraulically lifted and electrically operated cast Aluminium electric facing tool, with current overload protection.

High quality and remotely serviceable Bosch Rexroth electro-hydraulic pump, PLC, valves and controls.

Operating voltage 400 volt 3 phase 50 Hz (30.8 kw, 50.2 A). Optional 60 Hz also available.

Intuitive modular controls located in convenient operator position include:

- Bosch Rexroth hydraulics.
- Pipe clamps open, close and lock without operator contact. Ideal for Occupational Health and Safety requirements.
- 2 x Emergency stops.
- Choice of CNC or manual welding operation .

Optional tracked base is easily removed for trench use, and doubles as a worksite work-horse featuring:

- Two-speed heavy duty rubber tracks.
- Perkins low-noise diesel generator
- Both cordless and wired remot controls.
- Remote engine start on operator side.
- LED head, tail and warning lights.
- Rated lifting points and cross-bar.

Steerable wheeled base readily removable for trench work.

- High quality wide profile all-terrain wheels and tyres.
- Hydraulic pipe lifters front and rear.
- Offset steering.
- Not road registerable.

Supplied with the machine:

- Two-piece clamps for welding 1000, 900, 800, 710, 630, 560 and 500mm OD pipes and fittings, or IPS equivalent.
- Stub end device for welding end fittings (available in Aluminium or Steel)
- Tool box including spare blades, thermocouple, temperature controller, tools etc
- In-trench welding kit

Please note technical specifications of Worldpoly machines may change without notice. Please confirm at time of order.



## PolyForce1000/40 CNC Track

### Worldpoly PolyForce1000/40 Track.

High and low pressure butt welding machine including on-board hydraulic pump, intuitive CNC or manual controls, hydraulically movable facing tool and heating plate, hydraulic open/close/locking of pipe clamps, aluminium stub device and 4 circles of two-piece clamps 1000mm to 500mm / alt. 40" to 18".

Tracked base includes low-noise Perkins diesel generator, three speed rubber tracks, remote control, external hydraulic pipe lifters etc.

## TECHNICAL SPECIFICATIONS

PolyForce1000/40 Tracked - Australian Made

Track mounted, self contained and self propelled

Hydraulic in/out facing tool and heating plate with crash protection. No longer are these considered consumables

Hydraulic open/close/locking of main clamps without operator contact

Perkins on-board low-noise low fuel consumption 1500 RPM generator. Less than 60 dB at operator position.

Simple operation. Automatic or manual. 5000+ weld data logging

Bosch Rexroth hydraulics - locally serviceable

Pipe clamps provide prevent slippage even under extreme conditions

External hydraulic pipe lifters front and rear

Tracked base completely self-contained for use as utility vehicle on-site

Self-contained welding unit easily removed for site and trench work

Long operating time thanks to 1500 RPM low-noise diesel - 18 to 25 hours under normal welding conditions

Built tough, locally serviceable, low-noise. Just what you've been looking for

Specifications:

Capacity 500 to 1000mm OD / alternatively 40" to 18". Two-piece clamp inserts for pipe and fittings diameters 1000, 900, 800, 710, 630, 560 and 500mm, and stub device, are included

Electric start with remote start on operator side

Welded steel welding machine frame and tracked base

Italian track assembly, rubber tracks, three-speed, 30+ degree capacity, automatic braking when stopped

Optional wireless remote control. Wired emergency control

Rated lifting points on welding machine and frame, spreader bar included

Maximum pump operating pressure - 200 bar / 20 MPa



Fuel capacity - 70 litres / 20 hours

Engine - Perkins 2216 cc, 4 cylinder turbo, 1500 RPM low-noise diesel

Weight - 5400 kg

Technical specifications subject to change without notice. Please check at time of order confirmation.



## PolyTrack

Worldpoly PolyTrack provides a tough, economical and low-noise tracked platform for the worksite. Fitted with a Cummins Onan 1500 RPM 17 KVa low-noise marine diesel generator, Bosch Rexroth hydraulics, both cordless and wired remote control and Italian two-speed rubber tracks, PolyTrack combines experience with real requirements and Occupational Health and Safety considerations. PolyTrack immediately accepts both Worldpoly PolyForce630 Automatic and PolyForce1000 Automatic welding machines.

### TECHNICAL SPECIFICATIONS

Worldpoly PolyTrack tracked base

Australian Made - extremely rugged construction

Perkins 1500 RPM low-noise 20 KVA electric start diesel generator with remote start. 64 dB at operator position

Bosch Rexroth hydraulics - locally serviceable

Italian tracks

Cordless and wired remote controls

LED head, tail and warning lights

Rated lifting points fitted, and spreader bar available as optional extra

3 year warranty on hydraulics, 1 year manufacturers warranty on generator and tracks

Specifications subject to change without notice. please confirm at time of order.



### PolyBasic 160

A manually operated butt-welding machine suitable for PE and PP pipes and fittings from 40 to 160mm OD. Efficient design and construction provides an excellent low cost machine for welding both on the worksite and in the factory. The use of high quality Aluminium castings allows for lower weight without compromising strength and performance. Optional torque wrench allows welding force to be read.



### TECHNICAL SPECIFICATIONS

Welding range 40 to 160mm: 40 to 63mm - SDR7.4 to SDR 11. 75mm to 90mm - SDR 9 to SDR 17. 110mm to 160mm SDR 11 to SDR 41

Complete and ready to weld.

Genuine 12 months international warranty.

Main frame includes light weight alloy main clamps of 160mm diameter.

Layer clamps 160x140, 140x125, 125x110, 110x90, 90x75, 75x63, 63x50 & 50x40mm.

Removable cast Aluminum PTFE coated heating plate with electronic temperature control.

Removable cast Aluminum electrically operated facing tool.

Stand for heating plate and facing tool.

Manual opening of frame. Optional torque wrench for measurement of welding force.

230 volt 50/60 Hz (2.2 kw 11.1 A).

Requires generator minimum 2.3 KVA.

Weight 77kg

Note - This unit does not accurately read force below 20N/mpa. Drag + welding force must equal minimum 20N/mpa for accurate welding.

Not recommended for welding pressure pipe

Please note technical specifications of Worldpoly machines may change without notice



### Worldpoly160

Worldpoly160 hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 50 to 160mm OD using low force welding methods. Excellent Australian Engineered design and construction provides a premium machine for welding both on the worksite and in the factory. The use of high quality pressure-cast Aluminium castings allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Significantly increased force is available for drag when welding pipe strings, or on difficult sites. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Can be immediately integrated with optional data logger.



#### TECHNICAL SPECIFICATIONS

Welding range 50 to 160mm: SDR 9 (PN20) to SDR 41 (PN4) according to DVS 2207-1, ISO 21307 and POP003 low-pressure specifications

Complete and ready to weld - Genuine 2 year warranty on parts - CE approved by SGS [www.sgs.com](http://www.sgs.com)

Included as standard (unless otherwise specified):

- Main frame, including 4 light weight pressure-cast alloy main clamps of 160mm diameter
- Removable cast Aluminium electric facing tool with current overload protection
- Electrohydraulic pump with controls, and quick release hoses. Includes countdown timers for heating and cooling phases
- PTFE coated heating plate with electronic temperature control (heating plate automatically separates from pipe ends after heating)
- Stand for heating plate and facing tool
- Tool box including tools, bolts, selected spare parts, etc
- German hydraulic seals
- Wired ready to accept Worldpoly or other data logger

Clamp options include (machine can be supplied with any combination of liner diameters):

- Layer clamps: 160x140, 140x125, 125x110, 110x90, 90x75, 75x63 & 63x50mm
- 2-piece liners: 160x140, 160x125, 160x110, 160x90, 160x75, 160x63 & 160x50mm
- Narrow clamps: 160x140, 160x125, 160x110, 160x90, 160x75, 160x63 & 160x50mm

Optional stub end device for welding end fittings (available in aluminium or steel)

Optional wheeled trolley available

230 volt 50/60 Hz (2.78 kw 14.8A )

Requires generator minimum 230 volt 3.3 KVA - provide full machine details to generator supplier before purchase

Total cylinder section 6.26 cm<sup>2</sup>, maximum pump pressure 60 bar

Weight 156kg

Please note technical specifications of Worldpoly machines may change without notice

Australia only - This machine is supplied tested & tagged with a 15amp plug



## Worldpoly250

Worldpoly250 hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 50 to 250mm OD. Excellent design and construction provides a premium machine for welding both on the worksite and in the factory. The use of high quality pressure-cast Aluminium castings allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Can be immediately integrated with optional data logger.



### TECHNICAL SPECIFICATIONS

Welding range 50 to 250mm: SDR 9 (PN20) to SDR 41 (PN4) according to DVS 2207-1, ISO 21307 and POP003 low-pressure specifications.

Complete and ready to weld.

Genuine 2 year international warranty

German hydraulic seals.

CE approved by SGS [www.sgs.com](http://www.sgs.com)

Main frame includes 4 light weight pressure-cast alloy main clamps of 250mm diameter.

Machine can be supplied with any combination of liner diameters. Clamp options include:

Layer clamps: 250x225, 225x200, 200x180, 180x160, 160x140, 140x125, 125x110, 110x90, 90x75, 75x63 & 63x50.

2-piece liners: 250x225, 250x200, 250x180, 250x160, 250x140, 250x125, 250x110, 250x90, 250x75, 250x63 & 250x50.

Narrow clamps: 250x225, 250x200, 250x180, 250x160, 250x140, 250x125, 250x110, 250x90, 250x75, 250x63 & 250x50.

Removable cast Aluminum PTFE coated heating plate with electronic temperature control. Heating plate automatically separates from pipe ends after heating

Electrically operated facing tool for the preparation of pipe ends.

Stand for heating plate and facing tool.

Electro hydraulic pump with controls, and quick release hoses. Includes countdown timers for heating and cooling phases.

Tool box including tools, bolts etc.

Optional stub end device for welding end fittings (available in aluminium or steel).

Wired ready to accept Worldpoly or other data logger.

Optional wheeled trolley available.

230V 50/60 Hz, 3.95kW, 17.2 Amps.

Requires generator minimum 5 KVA. Provide full machine details to generator supplier before purchase.

Total cylinder area: 11cm<sup>2</sup>, maximum pump pressure 60 bar

Total weight 166kg

Please note technical specifications of Worldpoly machines may change without notice



## Worldpoly315

Worldpoly315 hydraulically operated HDPE pipe butt welding machine, suitable for PE and PP pipes and fittings from 90 to 315mm OD. Butt welding can be carried out between clamps 3 & 4 for tees, bends and manifold work, and the fusion machine can be immediately integrated with optional data logger. Able to cope with out-of-round pipe and less than perfect site conditions better than the Europeans, and with parts and service readily available, Worldpoly315 poly pipe fusion machine will be providing you with excellent service for years. Worldpoly315 HDPE welding machine. When you want a polyethylene pipe fusion machine that will provide excellent HDPE pipe fusion for years, but don't want to pay a fortune.



### TECHNICAL SPECIFICATIONS

Welding range 90 to 315mm SDR 9 (PN20) to SDR 41 (PN4) according to DVS 2207-1, ISO 21307 and POP003 low-pressure specifications.

Complete and ready to weld - Genuine 2 year warranty on parts - CE approved by SGS [www.sgs.com](http://www.sgs.com)

Included as standard (unless otherwise specified):

- Main frame, including 4 light weight pressure-cast alloy main clamps of 315mm diameter
- Removable cast Aluminium electric facing tool with current overload protection
- Electrohydraulic pump with controls, and quick release hoses. Includes countdown timers for heating and cooling phases
- PTFE coated heating plate with electronic temperature control and electric facing tool
- Stand for heating plate and facing tool.
- Tool box including tools, bolts, selected spare parts, etc
- Wired ready to accept Worldpoly or other data logger.

Clamp options include (machine can be supplied with any combination of liner diameters):

- Layer clamps: 315x280, 280x250, 250x225, 225x200, 200x180, 180x160, 160x140, 140x125, 125x110, 110x90.
- 2-piece liners: 315x280, 315x250, 315x225, 315x200, 315x180, 315x160, 160x140, 160x125, 160x110, 160x90.
- Narrow clamps: 315x280, 315x250, 315x225, 315x200, 315x180, 315x160, 315x140, 315x125, 315x110, 315x90.

Optional Aluminium or steel stub end device for butt welding end fittings. Optional wheeled trolley available.

230 volt 50/60 Hz, 5.0 kw, 15 A.

Requires generator minimum: 230 volt - 7 KVA. Provide full machine details to generator supplier before purchase.

Total cylinder area: 20cm<sup>2</sup> / 2000mm<sup>2</sup>, maximum pump pressure 60 bar

Weight 355kg

Please note technical specifications of Worldpoly machines may change without notice

Australia only - This machine is supplied tested & tagged with 1x 15 and 1 x 10 amp plugs requiring two power supplies

### Worldpoly315 High Pressure

High and low-pressure welding. Worldpoly 315 / 12" High Pressure is a hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 90 to 315mm OD (alternatively 3" to 12" IPS), using both high and low pressure welding methods. Excellent Australian Engineered design and construction provides a premium machine for welding both on the worksite and in the factory. The use of high quality construction allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Significantly increased force is available for drag when welding pipe strings, or on difficult sites. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work, and the machine is pre-wired for immediate integration with optional data logger.



#### TECHNICAL SPECIFICATIONS

Welding range 90 to 315mm SDR 9 (PN20) to SDR 17. 90 to 160mm SDR 9 and 11 only.

Welds both high and low pressure according to ISO, ASTM, ANZ POP003, and DVS low pressure.

Complete and ready to weld pipe and fittings diameters 315, 280, 250, 225, 200, 180, 160, 140, 125, 110 and 90mm OD (excluding liners).

German hydraulic seals.

Genuine 24 month international warranty.

Electro-hydraulic pump with controls, and quick release hoses.

Removable cast Aluminum PTFE coated heater plate with electronic temperature control. Heating plate automatically separates from pipe ends after heating.

Electrically operated facing tool for correct preparation of pipe ends.

Stand for heating plate and facing tool.

Tool box including tools, bolts etc.

Easily welds between clamps 3 and 4 for tees, fabrications and tight welds. Low pressure welding only when using single clamp.

Wired ready to accept Worldpoly or other data logger.

Clamp options include:

- 2-piece liners: 315x280, 315x250, 315x225, 315x200, 315x180, 315x160, 160x140, 160x125, 160x110, 160x90.

- Steel stub device

- Narrow clamps: 315x280, 315x250, 315x225, 315x200, 315x180, 315x160, 315x140, 315x125, 315x110, 315x90.

- Inch clamps.

230 volt, single phase, 50/60 hz. 6.2 kw, 19.8 A. Uses 2 x 15 A input leads.

Minimum generator required: 230 volt - 7 KVA. Provide full machine details to generator supplier before purchase.

Total cylinder area: 20.0 cm<sup>2</sup> / 2000 mm<sup>2</sup>.

Please note that the Worldpoly High Force machines are not certified under CE requirements.

Weight 355kg.

Specifications are subject to change without notice. Please confirm at time of purchase.



### Worldpoly315 CNC

Worldpoly315 CNC hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 90 to 315mm OD. Excellent design and construction provides a premium machine for welding both on the worksite and in the factory. Integrated CNC control ensures correct welding procedures including temperature, time and pressure functions. The use of high quality pressure-cast Aluminium castings allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Includes integrated data logger.

#### TECHNICAL SPECIFICATIONS

Welding range 110 to 315mm SDR 9 (PN20) to SDR 41 (PN4) according to DVS 2207-1 and ISO 21307 low-pressure specifications.

Complete and ready to weld.

CNC controlled temperature, time and pressure functions.

Supplied with a full set of 2-piece liners: 315x280, 315x250, 315x225, 315x200, 315x180, 315x160, 160x140, 160x125, 160x110, 160x90.

CNC controlled electro hydraulic pump with quick release hoses.

CNC controlled hydraulically inserted and removed cast Aluminium PTFE coated heated plate, with electronic temperature control. Heating plate automatically separates from pipe ends after heating.

Hydraulically inserted and removed electrically operated facing tool for correct preparation of pipe ends.

Optional Aluminium or steel stub end device for welding end fittings.

integrated data logger with USB output.

Genuine international warranty.

230 volt 50 Hz, 5.0 kw, 15 A. Optional 60 Hz also available.

Total cylinder area:

Weight 355kg

Please note technical specifications of Worldpoly machines may change without notice. Please reconfirm at time of order confirmation.



### Worldpoly450

Worldpoly450 hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 200 to 450mm OD (modification available to weld to 160mm SDR 9 & 11 only). Excellent design and construction provides a premium machine for welding both on the work site and in the factory. The use of high quality pressure-cast Aluminium castings allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Can be immediately integrated with optional data logger and overhead electric crane.



### TECHNICAL SPECIFICATIONS

Welding range 200 to 450mm: SDR 9 (PN20) to SDR 41 (PN4) according to DVS 2207-1, ISO 21307 and POP003 low-pressure specifications.

Complete and ready to weld.

CE approved by SGS [www.sgs.com](http://www.sgs.com)

German hydraulic seals.

Main frame includes 4 light weight pressure-cast alloy main clamps of 450mm diameter.

Machine can be supplied with any combination of liner diameters. Clamp options include:

Layer clamps: 450x400, 400x355, 355x315, 315x280, 280x250, 250x225, 225x200.

2-piece liners: 450x400, 450x355, 450x315, 450x280, 315x250, 315x225, 315x200.

Narrow clamps: 450x400, 450x355, 450x315, 450x280, 450x250, 450x225, 450x200.

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

Removable cast Aluminium electric facing tool with current overload protection.

Electrohydraulic pump with controls, and quick release hoses. Includes countdown timers for heating and cooling phases.

Stand for heating plate and facing tool.

Optional Aluminium or steel stub end device for welding end fittings, 250kg capacity crane assembly & wheeled trolley available

Tool box including tools, bolts etc.

Genuine 2 year international warranty.

Wired ready to accept Worldpoly or other data logger.

400V 3 phase 50/60 Hz (10.5 kw 17 A) alt 220 volt 50/60 hz (9.8 kw 22.9 A)

Minimum generator required: 400 volt 3 phase 14 KVA (alt 230 volt 1 phase 13 KVA). Provide full machine details to generator supplier before purchase.

Weight 776kg (including crane and stub device)

Total cylinder area: 22.36cm<sup>2</sup>, maximum pump pressure 120 bar

Please note technical specifications of Worldpoly machines may change without notice

## Worldpoly450 High Pressure

High and low-pressure welding. Worldpoly450 High Pressure is a hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 200 to 450mm OD, using both high and low pressure welding methods. Excellent Australian Engineered design and construction provides a premium machine for welding both on the worksite and in the factory. The use of high quality pressure-cast Aluminium clamps allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Significantly increased force is available for drag when welding pipe strings, or on difficult sites. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work, and the machine is pre-wired for immediate integration with optional data logger, and overhead electric crane.



### TECHNICAL SPECIFICATIONS

Welding range 200 to 450mm SDR 9 (PN20) to SDR 17. 200 to 250mm SDR 9 and 11 only.

Welds both high and low pressure according to ISO, ASTM, ANZ POP003, and DVS low pressure.

Complete and ready to weld pipe and fittings diameters 450, 400, 355, 315, 280, 250, 225 and 200mm OD.

German hydraulic seals.

Genuine 24 month international warranty.

Supplied with complete set of Aluminium cast two-piece liners 450x400, 450x355, 450x315, 450x280, 315x250, 315x225, 315x200.

Electro-hydraulic pump with controls, and quick release hoses.

Removable cast Aluminum PTFE coated heating plate with electronic temperature control. Heating plate automatically separates from pipe ends after heating.

Electrically operated facing tool for correct preparation of pipe ends.

Stand for heating plate and facing tool.

Includes Aluminium stub end device for welding end fittings.

Tool box including tools, bolts etc.

Easily welds between clamps 3 and 4 for tees, fabrications and tight welds. Low pressure welding only when using single clamp.

Wired ready to accept Worldpoly or other data loggers.

Clamp options include:

- Narrow clamps: 450x400, 450x355, 450x315, 450x280, 450x250, 450x225, 450x200.

- Inch clamps.

Optional overhead electric crane. Check requirements for crane approval regarding your specific application.

400V 3 phase 50/60 Hz (10.5 kw 18.4 A).

Minimum generator required: 400 volt 3 phase 11 KVA (alt 230 volt 1 phase 11 KVA). Provide full machine details to generator supplier before purchase.

Total cylinder area: 22.36 cm<sup>2</sup> / 2236 mm<sup>2</sup>

Please note that the Worldpoly High Force machines are not certified under CE requirements.

Weight 776kg (including crane and stub device)

Specifications are subject to change without notice. Please confirm at time of purchase.



### Worldpoly500

Worldpoly500 hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 200 to 500mm OD. Excellent design and construction provides a premium machine for welding both on the worksite and in the factory. The use of high quality pressure-cast Aluminium castings allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Can be immediately integrated with optional data logger and overhead electric crane.



### TECHNICAL SPECIFICATIONS

Welding range 200mm to 500mm: SDR 9 (PN20) to SDR 41 (PN4) according to DVS 2207-1, ISO 21307 and POP003 low-pressure specifications..

Complete and ready to weld.

German hydraulic seals.

Main frame includes 4 light weight pressure-cast alloy main clamps of 500mm diameter.

Machine can be supplied with any combination of liner diameters.

Layer clamps: 500x450, 450x400, 400x355, 355x315, 315x280, 280x250, 250x225 & 225x200

2-piece clamps: 500x450, 500x400, 500x355, 500x315, 315x280, 315x250, 315x225 & 315x200

Narrow clamps: 500x450, 500x400, 500x355, 500x315, 500x280, 500x250, 500x225 & 500x200.

Removable cast Aluminium PTFE coated heated plate with electronic temperature control. Heating plate automatically separates from pipe ends after heating.

Removable cast Aluminium electric facing tool with current overload protection.

Stand for heating plate and facing tool.

Electro hydraulic pump with controls, and quick release hoses. Includes countdown timers for heating and cooling phases.

Optional Aluminium or steel stub end device for welding end fittings.

Genuine 2 year International warranty.

Wired ready to accept Worldpoly or other data logger.

Tool box including tools, bolts etc.

Optional wheeled trolley available.

Optional 250kg crane assembly.

400 volt 3 phase 50/60 Hz (11.2 kw 18 A).

Minimum generator required: 400 volt 15 KVA. Provide full machine details to generator supplier before purchase.

Weight 592kg (including crane and stub device)

Total cylinder area: 23.06cm<sup>2</sup> (2306mm<sup>2</sup>)

Please note technical specifications of Worldpoly machines may change without notice



## Worldpoly630

**Worldpoly630 hydraulically operated butt welding machine suitable for HDPE and PP pipes and fittings from 315 to 630mm OD / 12" to 24".**

**Excellent design and construction provides a premium machine for butt welding both on the worksite and in the factory.**

**The use of high quality pressure-cast Aluminium castings allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe.**

**Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work.**

**Can be immediately integrated with optional data logger and overhead electric crane.**

**Worldpoly630. CE approved by the Swiss. This is the HDPE pipe butt welding machine to invest in when you want it to be with you reliably for years, without spending a fortune.**

### TECHNICAL SPECIFICATIONS

Welding range 315mm to 630mm: SDR 9 (PN20) to SDR 41 (PN4) according to DVS 2207-1, ISO 21307 and POP003 low-pressure specifications..

Complete and ready to weld.

CE approved by SGS [www.sgs.com](http://www.sgs.com)

German hydraulic seals.

Main frame includes 4 light weight pressure-cast alloy main clamps of 630mm diameter.

Machine can be supplied with any combination of liner diameters. Clamp options include:

Layer clamps: 630x560, 560x500, 500x450, 450x400, 400x355, 355x315.

2-piece liners: 630x560, 630x500, 630x450, 630x400, 450x355, 450x315.

Narrow clamps: 630x560, 630x500, 630x450, 630x400, 630x355, 630x315.

Removable cast Aluminium PTFE coated heated plate with electronic temperature control. Heating plate automatically separates from pipe ends after heating.

Removable cast Aluminium electric facing tool with current overload protection.

Stand for heating plate and facing tool.

Electro hydraulic pump with controls, and quick release hoses. Includes countdown timers for heating and cooling phases.

Optional Aluminium or steel stub end device for welding end fittings.

Genuine 2 year international warranty.

Wired ready to accept Worldpoly or other data logger.

Tool box including tools, bolts etc.

Optional wheeled trolley available.

Optional 250kg crane assembly.

400 volt 3 phase 50/60 Hz (14.5 kw 23 A).

Minimum generator required: 400 volt 3 phase 20 KVA. Provide full machine details to generator supplier before purchase.

Weight 1,092kg (including crane and stub device)

Total cylinder area: 23.06cm<sup>2</sup> (2306mm<sup>2</sup>), maximum pump pressure 120 bar

Please note technical specifications of Worldpoly machines may change without notice



### Worldpoly800

Worldpoly800 hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 450 (optionally 400) to 800mm OD. Excellent design and construction provides a premium machine for welding both on the worksite and in the factory. The use of high quality Aluminium castings allows for lower weight without compromising strength and performance. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Can be integrated with optional data logger and overhead electric crane.



#### TECHNICAL SPECIFICATIONS

Welding range 450 to 800mm: SDR 9 (PN20) to SDR 41 (PN4). Optional modification to 400mm SDR 11 to SDR 17

Welding force maximum 800mm OD SDR 9 plus 30% drag, according to according to DVS 2207-1, ISO 21307 and POP003 low-pressure specifications.

Complete and ready to weld.

CE approved by SGS [www.sgs.com](http://www.sgs.com)

German hydraulic seals.

Main frame includes 4 light weight alloy main clamps of 800mm diameter.

Clamp options include:

Layer clamps: 800x710, 710x630, 630x560, 560x500, 500x450.

2-piece liners: 800x710, 800x630, 630x560, 630x500, 630x450.

Narrow clamps: 800x710, 800x630, 800x560, 800x500, 800x450.

Machine can be supplied with any combination of liner diameters.

Aluminium PTFE coated heating plate with electronic temperature control.

Electrically operated facing tool for correct preparation of pipe ends.

Electro hydraulic pump with controls, and quick release hoses. Includes countdown timers for heating and cooling phases.

Stand for heating plate and facing tool.

Overhead electric crane included with standard machine (note please check crane regulations in your country for suitability).

Optional Aluminium or steel stub end device for welding end fittings.

Wired ready to accept Worldpoly or other data logger.

Genuine 2 year international warranty.

Tool box including tools, bolts etc.

Optional wheeled trolley available.

Optional 500kg crane assembly.

400 volt 3 phase 50/60 Hz (18.8 kw 29.8 A).

Minimum generator required: 400 volt 25 KVA. Provide full machine details to generator supplier before purchase.

Weight 1,720kg (including crane and stub device)

Total cylinder area: 20.4cm<sup>2</sup>, maximum pump pressure 180 bar

Please note technical specifications of Worldpoly machines may change without notice



### Worldpoly1000

Worldpoly1000 hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 500 to 1000mm or 36" to 20" OD. Excellent design and construction provide a premium machine for welding both on the worksite and in the factory. The use of high quality construction allows for lower weight without compromising strength and performance. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work, and the machine is easily integrated with optional data logger and overhead electric crane.



#### TECHNICAL SPECIFICATIONS

Welding range 500mm to 1000mm: SDR 11 (PN16) to SDR 41 (PN4). 500 to 630 SDR 9 / alt 20" to 36" SDR 11. 22" & 24" SDR 9.

Welding force maximum 1000mm OD SDR 7.4 plus, according to DVS 2207-1, ISO 21307 and POP003 low-pressure specifications.

Complete and ready to weld.

Main frame includes 4 light weight alloy main clamps of 1000mm.

Genuine 2 year International warranty.

CE approved by SGS [www.sgs.com](http://www.sgs.com)

German hydraulic seals.

Machine can be supplied with any combination of optional liner diameters.

Layer clamps: 1000x900, 900x800, 800x710, 710x630, 710 x 560, 710 x 500.

Layer clamps 40" x 36", 36" x 32", 32" x 28", 28" x 24", 24" x 22" and 22" x 20".

Two-piece clamps 40" x 36", 40" x 32", 40" x 28", 28" x 24", 28" x 22" and 28" x 20".

Electrohydraulic pump with controls, accumulator and quick release hoses. Includes countdown timers for heating and cooling phases.

Removable cast Aluminum PTFE coated heating plate with electronic temperature control. Heating plate automatically separates from pipe

ends after heating.

Removable cast Aluminium electric facing tool with current overload protection.

Stand for heating plate and facing tool and tool box.

Optional stub end device for welding end fittings (available in aluminium or steel).

Wired ready to accept Worldpoly or other data logger.

Tool box including tools, bolts etc.

Optional 500kg / 1100lb. capacity crane assembly.

400 volt 3 phase 50/60 Hz (33.4 kw, 50 A).

Minimum generator required: 400 volt 43 KVA. Provide full machine details to generator supplier before purchase.

Weight 2,687kg (including crane and stub device)

Total cylinder area: 43.60cm<sup>2</sup>, maximum pump pressure 180 bar

Please note technical specifications of Worldpoly machines may change without notice



### Worldpoly1000/40 Hydra

Worldpoly1000/40 hydraulically operated butt-welding machine, suitable for PE and PP pipes and fittings from 500 to 1000mm OD / 20" to 40". The machine is the result of more than 50 consecutive years of direct involvement in the PE pipe industry, providing premium equipment for welding both on the work-site and in the factory. Hydraulic open/close/locking main clamps allow easier pipe handling, while on-board hydraulic in/out facing tool and heating plate provides a single unit for movement to, from and around site. The use of virgin Aluminium castings and German hydraulic seals allows for lower weight without compromising strength and performance. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Ready to accept optional data logger. High and low-force models available.

#### TECHNICAL SPECIFICATIONS

Welding range 500mm to 1000mm: SDR 11 (PN16) to SDR 41 (PN4). 500 to 630 SDR 9 / alt 20" to 36" SDR 11. 22" & 24" SDR 9.

Welding force maximum 1000mm OD SDR 7.4 plus, according to DVS 2207-1, ISO 21307 and POP003 low-pressure specifications.

Complete and ready to weld.

Main frame includes 4 light weight alloy main clamps of 1000mm.

Genuine 2 year International warranty.

German hydraulic seals.

Machine can be supplied with any combination of optional liner diameters.

Layer clamps: 1000x900, 900x800, 800x710, 710x630, 710 x 560, 710 x 500.

Layer clamps 40" x 36", 36" x 32", 32" x 28", 28" x 24", 24" x 22" and 22" x 20".

Two-piece clamps 40" x 36", 40" x 32", 40" x 28", 28" x 24", 28" x 22" and 28" x 20".

Electrohydraulic pump with controls, accumulator and quick release hoses. Includes countdown timers for heating and cooling phases.

Optional stub end device for welding end fittings (available in aluminium or steel).

Wired ready to accept Worldpoly or other data logger.

Tool box including tools, bolts etc.

400 volt 3 phase 50/60 Hz (33.4 kw, 50 A).

Minimum generator required: 400 volt 43 KVA. Provide full machine details to generator supplier before purchase.

Weight 2,687kg (including stub device)

Total cylinder area: 43.60cm<sup>2</sup>, maximum pump pressure 180 bar

Please note technical specifications of Worldpoly machines may change without notice



### Worldpoly1200

Worldpoly1200/48 hydraulically operated butt-welding machine, suitable for PE and PP pipes and fittings from 630 to 1200mm OD, alternatively 24 to 48". The machine is the result of more than 50 years of consecutive involvement in the PE pipe industry, providing a premium machine 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. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Can be integrated with optional data logger and overhead electric crane.

#### TECHNICAL SPECIFICATIONS

Welding range 630 to 1200mm: SDR 11 (PN16) to SDR 41 (PN4). 630 to 800mm: SDR 9 to SDR 41.

Welding force maximum 1200mm OD SDR 11, according to DVS 2207-1, ISO 21307 and POP003 low-pressure specifications.

Complete and ready to weld.

CE approved by SGS [www.sgs.com](http://www.sgs.com)

German hydraulic seals.

Main frame includes 4 light weight alloy main clamps of 1200mm diameter.

Layer clamps: 1200x1100, 1100x1000, 1000x900, 900x800, 800x710, 710x630.

Machine can be supplied with any combination of liner diameters.

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

Electrically operated facing tool for correct preparation of pipe ends.

Stand for heating plate and facing tool.

Electrohydraulic pump with controls, accumulator and quick release hoses. Includes countdown timers for heating and cooling phases.

Genuine 2 year international warranty.

Optional Aluminium or steel stub end device for welding end fittings.

Wired ready to accept Worldpoly or other data logger.

Tool box including tools, bolts etc.

Optional wheeled trolley available.

Optional 1,000kg crane assembly.

400 volt 3 phase 50/60 Hz (30.6 kw, 47.6 A).

Minimum generator required: 400 volt 3 phase 50 hz, 32 KVA. Provide full machine details to generator supplier before purchase.

Weight 4,522kg (including crane and stub device)

Total cylinder area: 32.97cm<sup>2</sup>, maximum pump pressure 180 bar

Please note technical specifications of Worldpoly machines may change without notice



## Worldpoly1200/48 Hydra

Worldpoly1200/48 hydraulically operated butt-welding machine, suitable for PE and PP pipes and fittings from 630 to 1200mm OD/24" to 48". The machine is the result of more than 50 consecutive years of direct involvement in the PE pipe industry, providing premium equipment for welding both on the work-site and in the factory. Hydraulic open/close/locking main clamps allow easier pipe handling, while on-board hydraulic in/out facing tool and heating plate provides a single unit for movement to, from and around site. Optional on-board diesel generator. The use of virgin Aluminium castings and German hydraulic seals allows for lower weight without compromising strength and performance. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Ready to accept optional data logger, and available in both low and high-force welding options.

### TECHNICAL SPECIFICATIONS

Welding range 630 to 1200mm/24" to 48" IPS: SDR 11 (PN16) to SDR 41 (PN4). 630 to 800mm: SDR 9 to SDR 41.

Welding force maximum 1200mm/48" OD SDR 11, according to ISO 21307, ASTM and POP003 specifications.

Complete and ready to weld.

CE approved by SGS [www.sgs.com](http://www.sgs.com)

Hydraulic open/close/locking main clamps. Hydraulic in/out facing tool and heating plate.

Main frame includes 4 light weight alloy main clamps of 1200mm/48" diameter.

IPS machine includes two-piece clamps (4 circles), including 48"x42", 42"x40", 40"x36", 36"x32", 32"x28", 28"x24".

Metric machine includes clamps (4 circles), including 1200x1000, 1200x900, 1200x800, 800x710, 800x630mm

Aluminium PTFE coated heating plate and electrically operated facing tool is hydraulically inserted and removed during welding operation.

Stand for heating plate and facing tool assembly is attached to the rear of the main frame after shipping, and removed again at the end of the job

Electrohydraulic pump with controls, accumulator and quick release hoses. Includes countdown timers for heating and cooling phases.

Genuine 2 year international warranty.

Optional steel stub device for welding end fittings.

Wired ready to accept Worldpoly or other data logger.

Tool box including tools, bolts etc.

Optional wheeled trolley and on-board diesel generator available.

400 volt 3 phase 50/60 Hz (30.6 kw, 47.6 A).

Minimum generator required: 400 volt 3 phase 50 hz, 32 KVA. Provide full machine details to generator supplier before purchase.

Weight 5000 kg.

Total cylinder area: 56 cm<sup>2</sup>, maximum pump pressure 180 bar. Optional 120 cm<sup>2</sup> x 200 bar.

Please note technical specifications of Worldpoly machines may change without notice



### Worldpoly1600

Worldpoly1600 hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 1000 to 1600mm, or alternatively 42" to 60" OD. Available to weld according to ISO/DVS/POP003 SLP & DLP low pressure, and optionally both low and high-pressure according to ISO, POP003 and North American Standards. Excellent design and construction provide a premium machine for welding both on the worksite and in the factory. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. All hydraulics and controls are located on the main welding frame. Can be integrated with optional data logger.

#### TECHNICAL SPECIFICATIONS

Standard welding range 1600mm SDR 17 to 1000mm SDR 11.

CE approved by SGS [www.sgs.com](http://www.sgs.com)

Genuine 2 year international warranty.

Main frame includes 4 steel main clamps of 1600mm diameter. Heating plate is automatically separated from the pipe at the end of the heating cycle.

Layer clamps: 1600x1400, 1400x1200, 1200x1000.

Electrohydraulic pump with controls and accumulator are mounted on the main frame. Includes countdown timers for heating and cooling phases.

Removable steel 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.

Wired ready to accept Worldpoly or other data logger.

Tool box including tools, bolts etc.

400 volt 3 phase 50/60 Hz (54 kw 86 A) alt 440 volt 3 phase 60 hz (63 kw 100 A).

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

Total cylinder section: optional 68.7 cm<sup>2</sup> or 95.4 cm<sup>2</sup>

Please note technical specifications of Worldpoly machines may change without notice



### Worldpoly1600 Hydra HF

Worldpoly1600 Hydra HF hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 1000 to 1600mm, or alternatively 42" to 60" OD. Available to weld according to ISO 4427-2 SHP, POP003 SHP and North American Standards. Excellent design and construction provide a premium machine for welding both on the worksite and in the factory. Hydraulic open/close/locking of main clamps. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Can be integrated with optional data logger.

#### TECHNICAL SPECIFICATIONS

Standard welding range 1600mm SDR 17 to 1000mm SDR 11.

CE approved by SGS [www.sgs.com](http://www.sgs.com)

Genuine 2 year international warranty.

Main frame includes 4 steel main clamps of 1600mm diameter. Heating plate is automatically separated from the pipe at the end of the heating cycle.

Layer clamps: 1600mmx1400mm, 1400mmx1200mm, 1200mmx1000mm

Removable steel 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.

Wired ready to accept Worldpoly or other data logger.

Tool box including tools, bolts etc.

400 volt 3 phase 50/60 Hz (54 kw 86 A) alt 440 volt 3 phase 60 hz (63 kw 100 A).

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

Total cylinder section mm<sup>2</sup>.

Please note technical specifications of Worldpoly machines may change without notice



## Worldpoly2000

Worldpoly2000/80 hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 1400mm to 2000mm or alternatively 64" to 76" OD. Available to weld according to ASTM, ISO/DVS/POP003 SLP & DLP low pressure, and optionally both low and high-pressure according to ISO, POP003 and North American Standards. Hydraulic locking of main clamps. Excellent design and construction provide a premium machine for welding both on the worksite and in the factory. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. All hydraulics and controls are located on the main welding frame. Can be integrated with optional data logger.

### TECHNICAL SPECIFICATIONS

Genuine 2 year international warranty.

Welding range 2000mm to 1400mm, alternatively 80" IPS (2032mm OD) to 54" (1371.6 mm OD), SDR 33 to SDR 17

Removable cast Aluminium electric facing tool with current overload protection.

Removable cast Aluminium PTFE coated heating plate with electronic temperature control.

Stand for heating plate and facing tool.

On-board electrohydraulic pump with controls, accumulator and quick release hoses. Includes countdown timers for heating and cooling phases.

400 volt 3 phase 50/60 Hz, 88 KW 125 Amps.

Cylinder section 107.54 cm<sup>2</sup>, 10,754 mm<sup>2</sup>.

Please note technical specifications of Worldpoly machines may change without notice



### Worldpoly2400

Worldpoly2400/88" hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings to 2400mm OD, or alternatively 54" to 88" OD. Available to weld according to ISO/DVS/POP003 SLP & DLP low pressure, and optionally both low and high-pressure according to ISO, POP003 and North American Standards. Excellent design and construction provide a premium machine for welding both on the worksite and in the factory. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Can be integrated with optional data logger.



### TECHNICAL SPECIFICATIONS

Genuine 2 year international warranty.

Welding range to 2400mm, alternatively 88" IPS, SDR 17

Removable cast Aluminium electric facing tool with current overload protection.

Removable cast Aluminium PTFE coated heating plate with electronic temperature control.

Stand for heating plate and facing tool. Optional trolley base.

On-board electrohydraulic pump with controls, accumulator and quick release hoses. Includes countdown timers for heating and cooling phases.

Optional trolley base.

400 volt 3 phase 50/60 Hz

Please note technical specifications of Worldpoly machines may change without notice. Please confirm at time of order.



### Trolleys

Worldpoly supplies purpose built trolleys to carry the entire machine including main frame, facing tool, heating plate and hydraulic unit, or for the main frame only. Please contact our Sales Department on [sales@worldpoly.com](mailto:sales@worldpoly.com), or +61 (0)3 8795 3888 for details.



### TECHNICAL SPECIFICATIONS

Trolleys are available to carry all parts of the welding machine including main frame, hydraulic unit, facing tool and heating plate.

Worldpoly has a standard range of trolley designs including in-line and lateral mounting of the main frame.

We also offer to produce trolleys to your specific requirements.



### PolyBasic6"

A manually operated butt-welding machine suitable for PE and PP pipes and fittings from 2" - 6" OD. Efficient design and construction provides an excellent low cost machine for welding both on the worksite and in the factory. The use of high quality aluminium castings allows for lower weight without compromising strength and performance. Optional torque wrench allows welding force to be read.



#### TECHNICAL SPECIFICATIONS

Welding range 2" - 6": DR 11 (160 psi) to DR 41 (PN4)

Complete and ready to weld

Genuine 12 months international warranty

Main frame includes light weight alloy main clamps of 160mm diameter.

IPS inch layer clamps 2", 3" & 4"

Removable cast aluminium PTFE coated heating plate with electronic temperature control

Removable cast aluminium electrically operated facing tool

Stand for heating plate and facing tool

Manual opening of frame. Optional torque wrench for measurement of welding force

230 volt 50/60 Hz (2.2 kw 11.1 A)

Requires generator minimum 2.3 KVA

Weight 77kg

Please note technical specifications of Worldpoly machines may change without notice



### Worldpoly 3" High Pressure

High and low-pressure butt fusion. Worldpoly 2/8 High Pressure is a hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 2" to 8" IPS, using both high and low pressure welding methods. Excellent Australian Engineered design and construction provides a premium machine for welding both on the worksite and in the factory. The use of high quality construction allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Significantly increased force is available for drag when welding pipe strings, or on difficult sites. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work, and the machine is pre-wired for immediate integration with optional data logger.

#### TECHNICAL SPECIFICATIONS

Welding range 2" to 8" IPS: DR 9 (PN20) to DR 41 (PN4) according to ASTM, CSA and ISO 21307 specifications

Complete and ready to weld - Genuine 2 year warranty on parts - CE approved by SGS [www.sgs.com](http://www.sgs.com)

Included as standard (unless otherwise specified):

- Main frame, including 4 light weight pressure-cast alloy main clamps of 160mm diameter
- Removable cast Aluminium electric facing tool with current overload protection
- Electrohydraulic pump with controls, and quick release hoses. Includes countdown timers for heating and cooling phases
- PTFE coated heating plate with electronic temperature control (heating plate automatically separates from pipe ends after heating)
- Stand for heating plate and facing tool
- Tool box including tools, bolts, selected spare parts, etc
- German hydraulic seals
- Wired ready to accept Worldpoly or other data logger

Clamp options include (machine can be supplied with any combination of liner diameters):

- Layer clamps: 8" x 6", 6" x 4", 4" x 3", 3" x 2 1/2", 2 1/2" x 2"
- Narrow clamps: 8" x 6", 8" x 4", 8" x 3", 8" x 2"

Optional stub end device for welding end fittings (available in aluminium or steel)

Optional wheeled trolley available

220 volt 1 ph. 50/60 Hz (3.0 kw 16A )

Requires generator minimum 220 volt 3.5 KVA - provide full machine details to generator supplier before purchase

Total cylinder section 0.970"2 (6.26 cm2), maximum pump pressure 2610 psi (180 bar)

Weight 344 lb (156kg)

Please note technical specifications of Worldpoly machines may change without notice



## Worldpoly 10" High Pressure

High and low-pressure butt fusion. Worldpoly 3/10 High Pressure is a hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 3" to 10" IPS, using both high and low pressure welding methods. Excellent Australian Engineered design and construction provides a premium machine for welding both on the worksite and in the factory. The use of high quality construction allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Significantly increased force is available for drag when welding pipe strings, or on difficult sites. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work, and the machine is pre-wired for immediate integration with optional data logger.



### TECHNICAL SPECIFICATIONS

Welding range 3" to 10" IPS SDR 9 (PN20) to SDR 17. 3" to 6" SDR 9 and 11 only

Welds both high and low pressure according to ASTM, CSA and ISO

Complete and ready to weld pipe and fittings diameters 10", 8", 6", 4" and 3" to IPS

Genuine 24 month international warranty.

Electro-hydraulic pump with controls, and quick release hoses.

Removable cast Aluminum PTFE coated heater plate with electronic temperature control. Heating plate automatically separates from pipe ends after heating.

Electrically operated facing tool for correct preparation of pipe ends.

Stand for heating plate and facing tool.

Tool box including tools, bolts etc.

Easily welds between clamps 3 and 4 for tees, fabrications and tight welds. Low pressure welding only when using single clamp.

Wired ready to accept Worldpoly or other data logger.

230 volt, single phase, 50/60 hz. 6.2 kw, 19.8 A. Uses 2 x 15 A input leads.

Minimum generator required: 230 volt - 7 KVA. Provide full machine details to generator supplier before purchase.

Weight 355kg / 781 lb.

Specifications are subject to change without notice. Please confirm at time of purchase.



## Worldpoly 16" High Pressure

High pressure welding. Worldpoly 8/16 High Pressure is a hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 8" to 16" IPS, using both high and low pressure welding methods. Excellent Australian Engineered design and construction provides a premium machine for welding both on the worksite and in the factory. The use of high quality pressure-cast Aluminium clamps allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Significantly increased force is available for drag when welding pipe strings, or on difficult sites. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work, and the machine is pre-wired for immediate integration with optional data logger, and overhead electric crane.

### TECHNICAL SPECIFICATIONS

Welding range 8" to 16" IPS SDR 9 (PN20) to SDR 17. 8" and 10" SDR 9 and 11 only.

Welds high pressure according to ASTM and CSA and ISO.

Complete and ready to weld pipe and fittings diameters 16", 14", 12", 10" & 8" IPS

Genuine 24 month international warranty.

Electro-hydraulic pump with controls, and quick release hoses.

Removable cast Aluminum PTFE coated heating plate with electronic temperature control. Heating plate automatically separates from pipe ends after heating.

Electrically operated facing tool for correct preparation of pipe ends.

Stand for heating plate and facing tool.

Tool box including tools, bolts etc.

Optional overhead electric crane.

Total cylinder area: 22.36 cm<sup>2</sup> / 2236 mm<sup>2</sup>

Weight 776 kg / 1,707 lb (including crane and stub device)

400V 3 phase 50/60 Hz (10.5 kw 18.4 A).

Specifications are subject to change without notice. Please confirm at time of purchase.



## Rentals

Worldpoly certified field welding machines are normally available for rent in a number of countries and regions including Australia, South East Asia, Europe, Latin America, South Africa and UAE. Please contact [rental@worldpoly.com](mailto:rental@worldpoly.com) for details of your local rental outlet.

### TECHNICAL SPECIFICATIONS

Worldpoly field welding machines are normally available for rental in the following countries:

Australia/South East Asia - 63mm to 1200mm

Germany/Europe - 90mm to 1200mm

Chile/Latin America - 63mm to 450mm

UAE - 63mm to 315mm

As availability is subject to prior rental, please contact us for details at [rental@worldpoly.com](mailto:rental@worldpoly.com).