



PolyForce1200i Tracked

Worldpoly PolyForce1200i Tracked.

Australian designed and manufactured high-pressure tracked butt welding machine featuring safety, speed, consistency and ease of use.

Intuitive operation using modern rugged electronics providing hydraulic open/close/hands-free locking of main clamps, hydraulic in/out of heating plate and facing tool, elimination of operator crush/pinch potential, crash protection, burst sleeves on all hydraulic lines, automatic changeover following heating, external pipe lifters, on-board data logging, multiple safety-stops and operator prompts.

Low-noise Yanmar diesel provides long operating hours. Two-speed Rexroth powered towable rubber tracks with cordless remote control.

TECHNICAL SPECIFICATIONS

PolyForce1000i 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

Welding operation by CNC, includes 20,000 weld data logging.

Genuine 3 year international warranty.

4 circles of IPS layer clamps, including 1000mm, 813mm, 712mm, 610mm, 559mm & 508mm.

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:

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 electro-hydraulic pump, PLC, valves and controls.

Operating voltage 400 volt 3 phase 50 Hz (30.8 kw, 50.2 A). Optional 480 volt 60 Hz.

Intuitive modular controls located in convenient operator position include:

Pipe clamps open, close and lock without operator contact. Ideal for Occupational Health and Safety requirements.

2 x Cat3 Emergency stops.

Steerable wheeled base readily removable for trench work.

External hydraulic pipe lifters front and rear.

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

In-trench welding kit

Cylinder section 12,922 mm² / 200.2 inch². Optional cylinders available with increased force, or decreased if welding thin wall pipes.

Maximum pump pressure 250 bar / 3625 psi

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