



PolyForce1000i Tracked

Weldpoly PolyForce1000i 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.

The sealed Rexroth control system operates in any mining environment including metalliferous dust at temperatures to 55°C / 130°F, and the screen won't go black in the sun.

Fit for purpose and beyond.

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 metric liners including 1000, 1000x900, 1000x800, 1000x710, 1000x630, then 630x560 and 630x500mm,

Alternatively IPS layer clamps, including 1000mm, 36", 34" 32", 30", 28", 26", 24", 22" & 20"

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.

Rated 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 machined Aluminium PTFE coated heating plate with electronic temperature control and cover.

Hydraulically lifted and operated machined Aluminium electric facing tool

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.

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 Weldpoly machines may change without notice. Please confirm at time of order.