PE WELDING EQUIPMENT · BUTT FUSION · SEMI-AUTOMATIC

Ritmo BASIC 160 EASY LIFE Butt Fusion Machine

Self-aligning butt fusion machine for pressure pipes up to Ø160 mm (5" IPS), with the automated welding process managed by the Easy Life gearcase.

Ø40 – Ø160 MM | 230 V · 3000 W | 5.5 – 6 KVA GEN. | WI-FI READY



EASY LIFE SYSTEM

Automated cycle
Operator confirms each phase with a single button; pressure adjustments handled automatically

4,000 welds
Internal data logging with PDF reports downloadable via USB

50 pre-sets
Customisable welding cycles stored on the gearcase

SET & GO PRO
Wi-Fi ready — Android app for setup, GPS, barcodes and reports

FEATURES

- Self-aligning butt fusion machine for pressure pipes carrying water, gas and other fluids; built to UNI 10565 and ISO 12176-1
- Machine body with steel load-bearing frame, four aluminium clamps and two hydraulic cylinders with non-drip quick couplings and steel inserts
- Self-detaching device assists removal of the heating plate during the welding cycle
- PTFE-coated heating plate with built-in independent thermometer
- Extractable electric milling cutter with safety microswitch and overload protection; metal-framed control box with quick-removal system
- Easy Life electro-hydraulic control unit in an impact- and corrosion-resistant box — repeats welding cycles and controls preset parameters automatically; the operator only confirms each phase
- Wi-Fi ready and compatible with the SET & GO PRO app; graphic display for fast parameter setup
- Data logging of up to 4,000 welds with time stamp; PDF reports exported via USB
- Third clamp fixes to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional accessory

TECHNICAL FEATURES

Parameter	Value
Working range	Ø40 – Ø160 mm · 1" – 5" IPS
Materials	HDPE, PP, PP-R, PVDF
Power supply	230 V single phase 50/60 Hz
Total absorbed power	3000 W
Suggested power generator	5.5 – 6 kVA
Working temperature	180 – 280 °C
Outside temperature range	-10 – 40 °C
Time to reach welding temperature	< 20 min
Memory	4000 welding cycles
Pre-set welding cycles	50 customised
Dimensions machine body (W × D × H)	606 × 365 × 375 mm
Dimensions Easy Life gearcase (W × D × H)	585 × 384 × 463 mm
Weight machine body	32 kg
Weight standard arrangement	88 kg

STANDARD INCLUSIONS


Machine body


Facer / Heater cradle


Easy Life gear case


Facer / Miller


Heating plate

OPTIONAL EXTRAS


Inserts
Ø 40-140mm


Stub Chuck


Machine Body trolley


Rollers


App
"Set & Go Pro"

SET & GO PRO APP

Wi-Fi control — sends parameters to the machine and manages the welding process

Data collection — scans pipe/fitting barcodes and operator badges, records GPS weld locations, before-and-after photos

Welding reports — PDF reports with graphs, pressures and times; share by email or WhatsApp

Setup — choose ISO, DVS, UNI or ASTM standard, pipe diameter and SDR

Versions — PRO (annual subscription, Google Play) for full connectivity; LIGHT (free) as a parameter calculator

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