



BUTT FUSION WELDER

RITMO EASY LIFE



RITMO EASY LIFE CONCEPT

EASY LIKE PUSHING A BUTTON

This concept defines the EASY LIFE welding system: simplifying on-site operations while minimizing human error. It reflects RITMO's philosophy of "Style and Technology." EASY LIFE is a complete RITMO project designed to be accessible to everyone. The system is Wi-Fi ready and integrates seamlessly with the "SET & GO PRO" app.

HOW DOES IT WORK

Hardware and software are designed to work together, sharing data throughout the entire workflow. Once the welding parameters are set, the system ensures consistent repetition of the welding cycle, eliminating errors. The operator simply confirms each phase directly on the control unit when prompted, using a single button. During the welding phase, any required pressure adjustments are handled automatically by the electronic system.

WELDING QUALITY

The Easy Life system features integrated data logging with an internal hard drive capable of storing up to 4,000 welds. It allows up to 50 customizable welding cycles to be pre-set. All data can be generated as PDF reports and downloaded via USB.

EXTREME RELIABILITY

Introduced in 2002, the EASY LIFE system is now in its fourth generation.



CONTROL UNIT FUNCTIONALITY

WELDING CYCLE

Automated - ZERO Errors

MACHINE BODY

Carriage Movement

FACER / MILLING CUTTER

Management

HEATING PLATE

Temperature Management

"SET & GO PRO" APP

HIGH QUALITY BUTT FUSION WELDING



"SET & GO PRO" is a professional Android application for smartphones and tablets that transforms how operators work with Ritmo Easy Life butt fusion machines.

"SET & GO PRO" combines ease of use, innovation, and quality in a system that delivers the advantages of CNC welding while significantly reducing the associated costs.

ADVANTAGES

It eliminates the expensive hardware of a data-logging and while offering the highest quality at the lowest cost.

"SET & GO - LIGHT" - Free

Welding parameters calculation for RITMO machines. Eliminates welding tables.



SET & GO PRO available only in the Google Play.



SET & GO available in the APP STORE

Watch the "SET & GO PRO" video



Key Features of the "SET & GO PRO" APP

Wi-Fi Control

Connects directly to the welding machine to transmit parameters and manage the welding process.

Data Collection & Documentation

Scans pipe/fitting barcodes and operator badges, records GPS locations of welds, and takes before-and-after photos.

Welding Reports

Generates professional,, certified PDF reports containing graphs, pressures, and times, which can be shared via email or WhatsApp.

Ease of Use

Provides visual and acoustic signals for the operator, acting as a virtual assistant to reduce errors.

Compatibility

Works with RITMO Easy Life machines to create a "CNC-like" experience at a lower cost.

Version Differences

Set & Go PRO (Paid/Full)

Offers full functionality, including Wi-Fi connectivity, data logging, and reporting.

Set & Go (Light/Free)

Acts primarily as a calculator for welding parameters, providing recommendations without the advanced, live-connected features.

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BUTT FUSION WELDER - EASY LIFE



BUTT FUSION WELDER

RITMO BASIC 250 EASY LIFE



Basic 250 Easy Life is a self-aligning butt welding machine for pipes carrying water, gas, and other pressurised fluids, suitable for diameters up to Ø250 mm (8" IPS). The automated welding process is managed by the Easy Life gearcase.

It is designed in accordance with the relevant international standards, including UNI 10565 and ISO 12176-1, and includes:

- A machine body with a steel load-bearing frame, four aluminum clamps, two hydraulic thrust cylinders with non-drip quick couplings and SMARTLock fast locking steel inserts system
- A self-detaching device to assist removal of the heating plate during the welding cycle
- A Teflon coated heating plate with a built in independent thermometer for monitoring working temperature
- An extractable electric milling cutter for facing pipe and/or fitting ends, complete with safety microswitch and overload protection; the milling cutter's plastic control box is protected by a metal frame and features a quick-removal system for faster extraction from the machine body
- An electro-hydraulic control unit housed in a plastic box for protection against impact and atmospheric corrosion; the electronic system ensures continuous repetition of welding cycles and automatic control of preset parameters, so the operator only needs to confirm each welding phase
- EASY LIFE control system, which is Wi-Fi ready and compatible with the SET & GO PRO app; the user-friendly graphic display enables fast parameter setup
- Data logging capacity for up to 4,000 welding cycles, with export to PDF; reports can be transferred to a PC or laptop via USB and data management software
- Storage for up to 50 customised welding cycles
- Time display included in the EASY LIFE system data log
- A support for the milling cutter and heating plate

Basic 250 Easy Life can also weld fittings such as elbows, tees, wyes, and stub ends.

This is possible because the third clamp can be fixed to the first and second movable clamps and slide together with the pipe, while the fitting is secured in the fourth clamp. Short-neck stub ends can also be welded using a dedicated accessory available on request.

Working Range	75 - 250mm
Materials	HDPE, PP, PVDF
Power Supply	230V Single Phase 50/60 HZ
Total Absorbed Power	1100 W
Generator kVa	5.5 - 6
Working Temperature	180°C - 280°C
Outside Temperature Range	-10°C - 40°C
Time to reach welding temperature	< 20 Min
Memory	4000 cycles
Pre-set Welding Parameters	50 Customized
Dimensions Machine Body (W x D x H)	850 × 470 × 400mm
Dimensions Easy Life Gearcase (W x D x H)	450 × 250 × 370mm
Weight Machine Body	63 Kg
Weight Standard Arrangement	121 Kg

Set-up the easy life welding machine through your smart-phone/tablet with few and easy steps: choose the international welding standards (ISO, DVS, UNI, ASTM, etc.), pipe diameter and SDR.

With a detailed report at the end of each weld you have all the technical data with exact graphs and parameters to compare against international welding standards and geolocation map.

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WELDING REPORT
Welding per N° 46 - NO ERROR

Date (dd/mm/yyyy) : 16/02/18
Time (mm:ss) : 09:48

Standard ISO 15307 (PE11) SINGLE LP

Diameter = 250 mm
SDR = 17
Thickness = 14.6 mm
Material = PE

T = 178 mPa
T max = 200 °C
T min = 223 °C
T press = 240 °C
p1 = 23 bar
A = 7 mm
Q2 = 30 bar, Q2 = 183 s
Q1 = 4 s
Q3 = 23 bar, E = 1090 s

Model = BASIC 315 (V9,V1)
Piston area = 6.68 cm²
Serial = 690000000
Firmware version = v18
Need monitoring frequency = 10 Hz
Compatible operator job kit = RMT-00
Control panel wiring

Overhaul = 200 mm
SDR = 17
Thickness = 14.6 mm
Material = PE

T heater = 223 °C

Drip pressure before test
p1 = p2 = 31 bar, t = 30 s
p2 = 3 bar, t = 183 s
t = 4 s
t = 4 s
p3 = p1 + 31 bar, t = 1090 s
t total = 1285 s

OPERATOR'S BADGE
30000001+04312175M430000000

GPS TRACKABILITY V1
31071711661442000000000000000702500012

GPS TRACKABILITY V2
31071711661442000000000000000702500012

GPS AS 25.39647 11.42.0569

PICTURES BEFORE

AFTER

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BUTT FUSION WELDER - BASIC 250 EASY LIFE