



# WHY BUY FROM UPG?

- 1) Technical Assistance offered before sale and after sale.
- 2) Free onsite team training with any butt welder purchase once machine is delivered.
- 3) Stock of all critical components as spares in NZ.
- 4) Servicing of all machines done here in NZ in our workshop. No requirement to send your machine offshore.
- 5) Common stock items held in NZ at UPG.

Proud Partner with RITMO





## BENEFITS

The EASY LIFE system designed by RITMO offers the below benefits:

- Easy setting and easy to use
- Avoid mistakes
- Repeat the welding cycles
- Wide product range
- Reliability and precision
- Affordable system
- 100% quality
- Wi-fi ready

## EASE OF USE

Hardware and software interact to each other sharing data during the entire workflow. Once set the welding parameters up, the system guarantees the repetition of the welding cycle. The operator only has to confirm the work phases just pushing a button on the control panel of the gearcase.

## QUALITY IN WELDING

A data-logging constantly tracks the welding cycle and saves the data in an internal hard-drive capable to store up to 4000 welds. The data will be available through PDF reports, downloadable in a USB pen drive. The gearcase recalls from an archive up to 50 preferred settings, saved by the operator.

# EASY LIFE CONCEPT



## EASY LIKE PUSHING A BUTTON

This is the concept that developed the EASY LIFE welding system: "to simplify the work in the jobsite avoiding human mistakes"; this is the philosophy that it hold in its name "Style and Technology" by RITMO. EASY LIFE is a whole RITMO's project for all and accessible to everybody. Easy Life is "Wi-Fi" ready and works together with the App "SET & GO - PRO".

## HOW DOES IT WORK

Hardware and software have been developed to interact to each other sharing data during the entire workflow. Once set the welding parameters up, the system guarantees the repetition of the welding cycle, avoiding errors. The operator only has to confirm the work phases on the gear case when asked to, just pushing a button. Besides, during the "welding phase", where sometimes some pressure adjustments are needed, the electronic system solve automatically this specific problem.

## QUALITY IN WELDING

The Easy Life system incorporates a data-logging that saves the data in an internal hard-drive capable to store up to 4000 welds. Possibility to pre-set 50 customized welding cycles. The data will be available through PDF reports, downloadable in a USB pen drive. If you want to export datalogs live on your project then this is done using the "SET & GO PRO" app.

## EXTREME RELIABILITY

Born on 2002, the EASY LIFE system is now at its fourth evolution.

# "SET & GO PRO" APP HIGH QUALITY ON BUTT FUSION WELDING



"SET & GO PRO" Put together the ease of use, innovation and quality, in a system with the advantages of a CNC welding system, but reducing significantly the costs of it.

**Note: "SET & GO PRO" App is a paid app subscription**

## ADVANTAGES

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



From APP STORE you can use only SET & GO  
SET & GO PRO isn't available.



# PLUS

- EASY SETTING
- WI-FI READY
- GEOLOCATION MAP
- DATA-LOGGING
- REPORT PDF



watch the video

## HOW DOES IT WORK?

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 the GPS and smartphone scanner you can collect, transfer, and store information by project name. You can record the exact location of each pipe weld as well as the construction site, you can scan pipe and fitting barcodes, scan operator badge, and take a photo before and after the installation.

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.

You can quickly share the welding reports in pdf format via email and whatsapp or save them to your phone or on a cloud archive.

Choose "SET & GO PRO" because safety and quality are part of your job!

**WELDING REPORT**  
**Welding = N° 46 - NO ERROR**

Date (dd/mm/yyyy) = 16/02/16  
Time (hh:mm) = 09:46

**Standard**  
**ISO 21307 (06/11) SINGLE LP**

Diameter = 250 mm  
SDR = 17  
Thickness = 14.8mm  
Material = PE

$p_1 = 0.17MPa$   
 $T_{min} = 200^{\circ}C$   
 $T_{nom} = 223^{\circ}C$   
 $T_{max} = 245^{\circ}C$   
 $p_1 = 28 \text{ bar}$   
 $A = 2mm$   
 $p_2 = 0 \text{ bar}, t_2 = 163 \text{ s}$   
 $t_3 = 5 \text{ s}$   
 $t_4 = 8 \text{ s}$   
 $p_3 = 28 \text{ bar}, t_5 = 1090 \text{ s}$

Model = BASIC 315 (V0,V1)  
Piston area = 6.68 cm<sup>2</sup>  
Serial = 990000005  
Firmware version = 2.16  
Next overhaul (mm/yy) = 10/16  
Operator = Test operator  
Job site = Ritmo  
Remark = test welding

Diameter = 250 mm  
SDR = 17  
Thickness = 14.8mm  
Material = PE

T heater = 223°C

Drag pressure  $p_t = 3 \text{ bar}$   
 $p_1 = p_t = 31 \text{ bar}, t_1 = 30 \text{ s}$   
 $p_2 = 0 \text{ bar}, t_2 = 163 \text{ s}$   
 $t_3 = 4 \text{ s}$   
 $t_4 = 8 \text{ s}$   
 $p_3 = p_t = 31 \text{ bar}, t_5 = 1080 \text{ s}$   
t total = 1285 s

**OPERATOR'S BADGE**  
300000041424312617584039002030

**JOINT TRACEABILITY 1**  
3137011100814520240602025320078232530012

**JOINT TRACEABILITY 2**  
3137011100814520240602025320078232530012

**GPS 45:23,39647 11:43,0569**



**PRESSURE GRAPH**



**PICTURES BEFORE**



**AFTER**



\*\*\*\*\* REPORT n.9 Easy Life v1.09 \*\*\*\*\*

---

Date: 02/02/16  
Hour: 12:58  
Set temperature HP: 200 C  
Revision: 11/15  
Serial number: 111200000  
Diameter: 75 mm  
Material: PP  
SDR: 7.4  
Operator: GIA .....  
Job site: RIT .....  
Remark: .....  
\*\*\* WELDING DATA \*\*\*  
Welding number: 8  
Drag Pressure: 5 bar  
P1: 40 bar  
P2: 2 bar  
P5: 40 bar  
T1: 2s  
T2: 30s  
T3: 6s  
T4: 4s  
T5: 180s  
Total joint time: 3'42"

Report by EASY LIFE

Report by EASY LIFE + "SET & GO! PRO"



## 250mm EasyLife Butt Welder

Self-aligning hydraulic butt fusion machine, suitable for welding under-pressure pipes for water, gas and other fluids up to Ø 250 mm 8" DIPS. BASIC 250 EASY LIFE, thanks to a special gearcase, is able to manage the automated welding process. Built according to the International standards (UNI 10565, ISO 12176-1).

### Features:

- A machine body built with a supporting frame, four clamps and two hydraulic cylinders with fast non-drip coupling connections. It comes with the fast-locking-adapters system SMARTLock patented by Ritmo
- A Teflon-coated (PTFE) heating plate with a built-in independent thermometer to check the working temperature.
- An extractable electric milling cutter to face the heads of the pipes and/or fittings. It includes a safety micro-switch and a thermal circuit breaker.
- An electro-hydraulic gearcase protected from crashes and atmospheric corrosion by a plastic box. The electronic system guarantees the continuous repeat of the welding cycles and automatic control of the preset parameters, therefore the operator needs only to validate the welding phases. Easy Life is "Wi-Fi" ready and works together with the App "SET & GO PRO". The user-friendly graphic display allows a quick setting of the desired parameters. The EASY LIFE system can store up to 4000 welding cycles and sum them up into a PDF file. This report can be transferred to a PC/laptop through a USB port and data-management software. Possibility to pre-set 50 customized welding cycles. The EASY LIFE system data logging now shows the time!
- A milling cutter/ heating plate support.

BASIC 250 EASY LIFE is able to weld fittings like elbows, tees, Y-branches and flanges necks.

Available in the 110 V and 230 V versions.

### Standard Composition



Machine body



Detach device for heater



Gearcase



Heating plate



Milling cutter



Support

## Technical Features

Model	250mm EasyLife Butt Welder
Working range *	75 ÷ 250 mm; 2" IPS ÷ 8" DIPS
Materials	HDPE, PP, PP-R, PB, PVDF For other materials contact RITMO S.P.A.
Power supply	230 V Single Phase 50/60 Hz 110 V Single Phase 50/60 Hz
Total absorbed power*	4200 W
Working temperature	180° ÷ 280° C (356° ÷ 536° F)
Outside temperature range	-10° ÷ 40° C (14° ÷ 104° F)
Time to reach welding temperature	< 20'
Memory	4000 cycles
Pre-set welding cycles	50 customized
Wi-Fi ready	App "SET & GO PRO"
Dimensions machine body (W x D x H)	850 x 470 x 400 mm (33.5" x 18.5" x 16")
Dimensions gearcase (W x D x H)	585 x 384 x 463 mm (23" x 15.1" x 18.2")
Weight machine body	63 Kg (139 lb)
Weight standard composition	132 Kg (291 lb)

## PLUS

**AUTOMATED  
WELDING  
PROCESS**

**Wi-Fi ready  
App SET & GO - PRO**

\* Suggested power generator  
5,5 ÷ 6kVA

## ON REQUEST



Inserts  
Ø 75 ÷ 225 mm



Tool for flange  
necks



Trolley for  
machine body



App  
"Set & Go Pro"



Top Clamp Short  
Elbows/Tee



Rollers

and: Inserts Ø 2" ÷ 8" IPS; 3" ÷ 8" DIPS pre-insulated bag for heating plate, trolley for milling cutter/heating plate, wooden case for inserts

### Auckland Branch

Unit 3, 68 McLaughlins Road, Wiri, 2104

**P** 09 971 0020

**E** aucklandsales@upg.net.nz

### Wellington Branch

15 Raiha Street, Porirua. 5022

**P** 0800 473 100

**E** sales@upg.net.nz

**Follow** @upgpipesystems

**W** www.upg.nz