



# 630 DELTA EASYLIFE BUTT WELDER

SIZE RANGE: 280 - 630 MM

BY RITMO

● Ultimate Solutions.  
Intelligent Delivery.

## ● FEATURES

- Technical assistance offered before sale and after sale.
- Onsite team demonstration available with any butt welder purchase once machine is delivered.
- Stock of all critical components as spares in NZ.
- Servicing of all machines done here in NZ in our workshop. No requirement to send your machine offshore.
- 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 gear case 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 customised welding cycles. The EASY LIFE system data logging now shows the time!
- A milling cutter/ heating plate support.
- Ability to lock down welding parameters to save risk of welds being performed incorrectly.
- BASIC 630 EASY LIFE is able to weld fittings like elbows, tees, Y-branches and flange necks.

## ● STANDARD COMPOSITION



**MACHINE BODY**



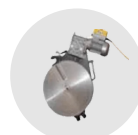
**DETACH DEVICE FOR HEATER**



**GEAR CASE**



**HEATING PLATE**



**MILLING CUTTER**



**SUPPORT**



**INSERTS  
Ø 280 - 560 MM**



**MACHINE BODY**

## ● ABOUT

Self-aligning hydraulic butt fusion machine, suitable for welding under-pressure pipes for water, gas and other fluids up to 630 mm. BASIC 630 EASY LIFE, thanks to a special gearcase, is able to manage the automated welding process. Built according to International standards (UNI 10565, ISO 12176-1).

## ● 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

## ON REQUEST



TOOL FOR FLANGE  
NECKS



TROLLEY



APP  
"SET & GO PRO"



ROLLERS



ELECTRIC CRANE



HYDRAULIC  
ROLLERS

## TECHNICAL FEATURES

MODEL	630MM DELTA EASYLIFE BUTT WELDER
Working range *	280 - 630 mm
Materials	HDPE, PP, PVDF For other materials contact RITMO S.P.A
Power supply	400 V three phase 50/60 HZ
Total absorbed power*	1500 W
Working temperature	180° - 280° C
Outside temperature range	-10° - 40° C
Time to reach welding temperature	< 20
Memory	4006 cycles
Pre-set welding cycles	56 cycles
Wi-Fi ready	App "SET & GO PRO"
Dimensions machine body (W x D x H)	1550 x 1010 x 1000 mm
Dimensions gear case (W x D x H)	615 x 298 x 474 mm
Weight machine body	415 Kg
Weight standard composition	700 Kg

## PLUS

- Automated Welding Process
- Wi-Fi ready
- App SET & GO - PRO

\* Suggested power generator 18kVA

## EASE OF USE

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

## QUALITY IN WELDING

Data-logging constantly tracks the welding cycle and saves the data in an internal hard-drive capable of storing up to 4000 welds. The data will be available through PDF reports, downloadable in a USB flash drive. The gear case recalls up to 50 preferred settings from the archive that have been 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 job site while avoiding human mistakes”. EASY LIFE is accessible to everybody and is “Wi-Fi” ready; it works seamlessly together with the App “SET & GO - PRO”.

### HOW DOES IT WORK

The hardware and software have been developed to interact to each other sharing data during the entire workflow. Once the welding parameters have been set up, the system guarantees the repetition of the welding cycle, which avoids errors. The operator only has to confirm the work phases on the gear case when asked to, by pushing a button. During the “welding phase”, where, at times, some pressure adjustments are needed, the electronic system automatically solves this problem.

### QUALITY IN WELDING

The Easy Life system incorporates data-logging that saves the data in an internal hard-drive capable of storing up to 4000 welds. The Easy Life system can also pre-set up to 50 customised welding cycles. The data is available through PDF reports, downloadable onto a USB flash drive. If you want to export datalogs live on your job site then this can be done using the “SET & GO PRO” app.

### EXTREME RELIABILITY

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



# "SET AND GO PRO" APP

## HIGH QUALITY ON BUTT FUSION WELDING

"SET & GO PRO" Combines the ease of use, innovation and quality, in a system with the advantages of a CNC welding system, but at a significantly reduced cost.

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

### ADVANTAGES

The "SET & GO PRO" App eliminates the expensive hardware of a data-logging while offering the highest quality welding at a lower cost.

### HOW IT WORKS

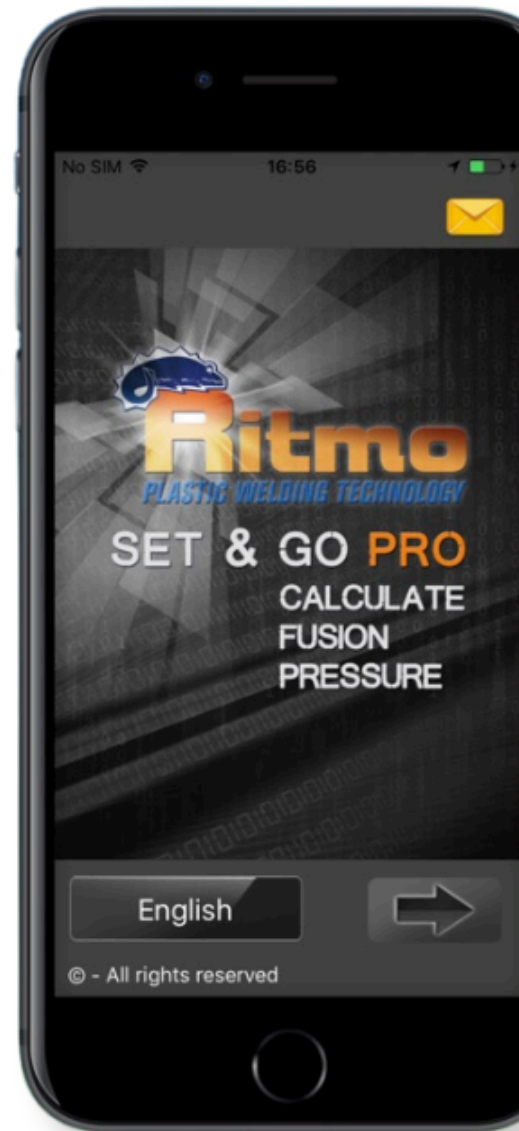
Set up the Easy Life welding machine through your smartphone/tablet with few and easy steps: choose the international welding standards (ISO, DVS, UNI, ASTM, etc.), pipe diameter and SDR.

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 badges, and take photos 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 a 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.

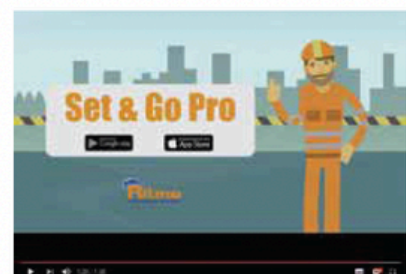
Choose "SET & GO PRO" as safety and quality are part of your job!



### PLUS

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

### AVAILABLE ON



watch the video

# HOW IT WORKS

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

Date (dd/mm/yy) = 16/02/16  
Time (hh:mm) = 09:45

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

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

$p_1 = 0.17 \text{ MPa}$   
 $T_{min} = 200^\circ\text{C}$   
 $T_{nom} = 223^\circ\text{C}$   
 $T_{max} = 245^\circ\text{C}$   
 $p_1 = 28 \text{ bar}$   
 $A = 2 \text{ mm}$   
 $p_2 = 0 \text{ bar}$ ,  $t_2 = 163 \text{ s}$   
 $t_3 = 5 \text{ s}$   
 $M = 8 \text{ s}$   
 $p_3 = 28 \text{ bar}$ ,  $t_5 = 1080 \text{ s}$

**Model = BASIC 315 (V0,V1)**  
Piston area = 6.68 cm<sup>2</sup>  
Serial = 99000006  
Firmware version = 216  
Next overhaul (mm/yy) = 10/18  
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  $p_t = 3 \text{ bar}$   
 $p_1 = p_t = 31 \text{ bar}$ ,  $t_1 = 30 \text{ s}$   
 $p_2 = 0 \text{ bar}$ ,  $t_2 = 163 \text{ s}$   
 $t_3 = 4 \text{ s}$   
 $M = 8 \text{ s}$   
 $p_3 = p_t = 31 \text{ bar}$ ,  $t_5 = 1080 \text{ s}$   
 $t_{total} = 1285 \text{ s}$

**OPERATOR'S BADGE**  
300000041424312017564039002030

**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 \*\*\*\*\*

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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"

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