



DELTA 800 EASY LIFE
DELTA 1000 EASY LIFE
FREE TO ACT



BORN TO SURPRISE

Ritmo introduce two new butt fusion machines suitable for welding under-pressure pipes that extend the concept of ease of use and welding quality to large plastic pipes. Delta 800 Easy Life and Delta 1000 Easy Life are built to the highest quality standards to ensure reliability and strength even in the most critical working conditions of construction sites. These features allow operators to work with maximum freedom and quiet.

**PERFECT
WELDING**

STRONG

RELIABLE

**HIGH
PERFORMANCE**



DELTA 1000 EASY LIFE



**DELTA 800
EASY LIFE**

Ø 500 ÷ 800 mm
Ø 20" IPS ÷ 30" IPS
Ø 18" DIPS ÷ 24" DIPS

**DELTA 1000
EASY LIFE**

Ø 630 ÷ 1000 mm
Ø 24" IPS ÷ 36" IPS
Ø 24" DIPS ÷ 36" DIPS



DELTA 800 EASY LIFE

EASY LIFE HOW DOES IT WORK

EASY LIKE PUSHING A BUTTON

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.

**GEARCASE
FUNCTIONS**

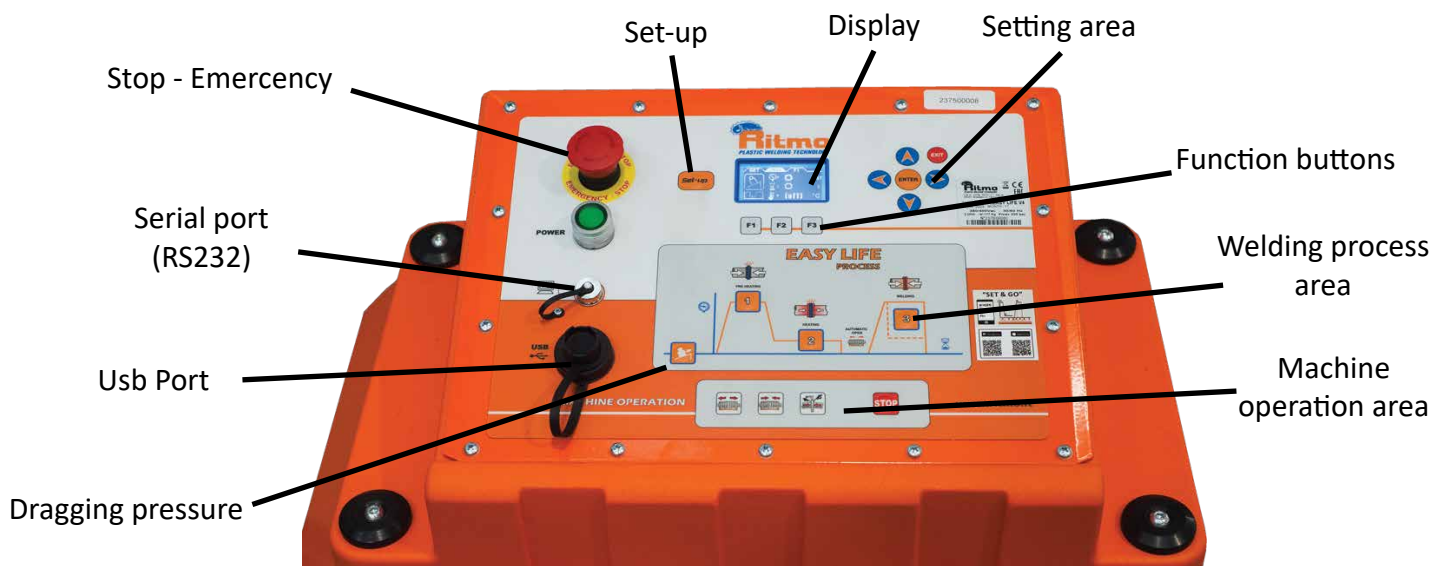
**HEATING
PLATE:
TEMPERATURE
MANAGEMENT**

**MANAGEMENT
MILLING
CUTTER**

**MACHINE:
CARRIAGE
MOVEMENT**

**WELDING
CYCLE:
AUTOMATED**

www.ritmo.it



A BOOSTED MACHINE

**HARDWARE
&
SOFTWARE**

**AUTOMATED
WELDING
PROCESS**

**0%
ERRORS**

**EASY
SETTING
&
EASY TO USE**

PRECISION

**REPEAT
THE WELDING
CYCLES**

**UP TO 50
PRE-SET
WELDING
CYCLES**

**4000
PDF
WELDING
REPORTS**

**DATA
LOGGING**

WI-FI

**10
LANGUAGES**



**MANUAL
WELDING CYCLE**



**EASY LIFE
SYSTEM**

GOAL: TO SIMPLIFY THE WORK IN THE JOBSITE



Manual Welding Cycle

THREE OPERATIONS TO DO:
1 - OPEN THE CARRIAGE
2 - REMOVE THE HEATING PLATE
3 - CLOSE THE CARRIAGE / PERFORM WELDING
...POSSIBLE MISTAKES



Easy Life System

JUST ONE OPERATION TO DO:
1 - REMOVE THE HEATING PLATE



**100 %
QUALITY**



TECHNICAL FEATURES

Built according to national
and international reference
standards
- UNI 10565
- ISO 12176-1

	DELTA 800 EASY LIFE	DELTA 1000 EASY LIFE
Working range	500 ÷ 800 mm; 20" IPS ÷ 30" IPS	630 ÷ 1000 mm; 24" IPS ÷ 36" IPS
Materials	PE, PP	PE, PP
Power supply	400 V 3F + N + PE 50/60 HZ	400 V 3F+N+PE 50/60 HZ
Total absorbed power	17200 W	17200 W
Gearcase absorbed power	2200 W	2200 W
Working temperature	180° ÷ 260° C (356° ÷ 500° F)	180° ÷ 260° C (356° ÷ 500° F)
Outside T° range	-10° ÷ 40° C (14° ÷ 104° F)	-10° ÷ 40° C (14° ÷ 104° F)
Time to reach welding T°	< 45'	< 45'
Pressure range	0 ÷ 250 bar	0 ÷ 250 bar
Dimension machine body (W x D x H)	2100 x 1350 x 1300 mm (83" x 53" x 51")	2386 x 1746 x 1711 mm (94" x 69" x 67")
Weight machine body	821 Kg (1810 lb)	2090 Kg (4607 lb)
Dimension gearcase	1543 x 600 x 800 mm (60,7" x 23.6" x 31.5")	1543 x 600 x 800 mm (60,7" x 23.6" x 31.5")
Weight gearcase	117 Kg (257.9 lb)	117 Kg (257.9 lb)
Weight standard composition	1330 Kg (2932 lb)	2939 Kg (6479 lb)



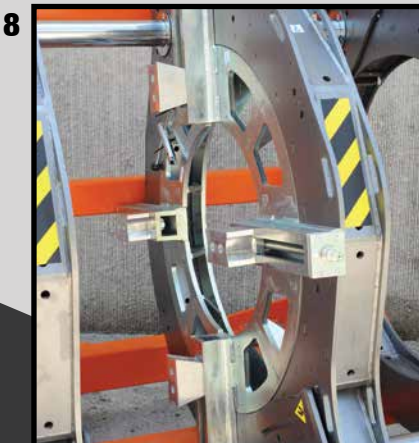
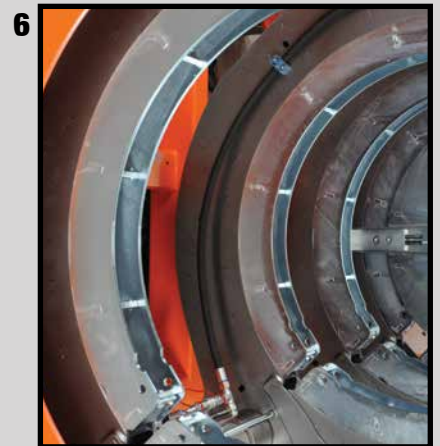
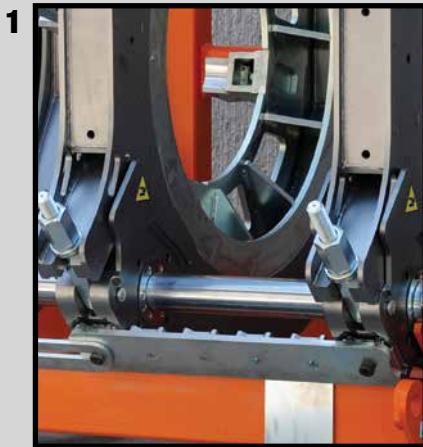
EXTRA DETAILS FOR A PERFECT JOB

EVERYTHING YOU NEED

Welding machine equipped with a lot of small details that improve your work's efficiency.

- 1 – Drag bar to anchor the 3rd clamp to the 1st and 2nd (movable) and slide with the tube
- 2 - Detach device for easy removal of the heating plate during fusion process
- 3 - Milling Cutter with fast removing system
- 4 - Machine body trolley*
- 5 - Electrical crane*
- 6 - Metric and inch steel inserts*
- 7 - Scratch guards for heating plate
- 8 - Tool for flange necks for fittings and short neck stub ends
- 9 - Milling Cutter and heating plate support with holes for loading and unloading with forklift

*Accessories on request



"SET & GO PRO" APP

HIGH QUALITY ON BUTT FUSION WELDING



Professional APP with two operating modes: PRO and LIGHT

"SET & GO - PRO" - Annual subscription required

Professional application for smartphones and tablets (Android) that changes forever the way to work with the Ritmo **BASIC EASY LIFE** and **DELTA EASY LIFE** butt fusion machines.

"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.

ADVANTAGES "SET & GO PRO"

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

"SET & GO - LIGHT" - Free

Welding parameters calculation for RITMO machines. Eliminates welding tables.



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

**WI-FI
GPS
DATA-LOGGING
REPORT PDF**



"SET & GO PRO" - HOW DOES IT WORK?

Set-up the **EASY LIFE** welding machine through your smart-phone/tablet (Android) 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!

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

WELDING REPORT Welding = N° 46 - NO ERROR	
<small>Date (dd/mm/yy) = 18/02/18 Time (hh:mm) = 09:48</small>	
Standard ISO 21307 (06/11) SINGLE LP	Model = BASIC 315 (V0,V1) Piston area = 6.68 cm ² Serial = 990000009 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 pi = 0.17MPa T min = 200°C T max = 223°C T max = 243°C p1 = 28 bar A = 2mm p2 = 0 bar; t2 = 163 s t2 = 8 s t4 = 8 s p3 = 28 bar; t5 = 1080 s	Diameter = 250 mm SDR = 17 Thickness = 14.8mm Material = PE T heater = 223°C Drag pressure p4 = 3 bar p1 + p4 = 31 bar; t1 = 30 s p2 + p4 = 0 bar; t2 = 163 s t3 = 4 s t4 = 8 s p5 + p4 = 31 bar; t5 = 1080 s t total = 1280 s
PREMIERE GRAPH 	OPERATOR'S BADGE 300000041424312017164039002030 JOINT TRACEABILITY 1 3137011100814520240602025300782320530012 JOINT TRACEABILITY 2 3137011100814520240602025300782320530012 GPS 45:23.39647 11:43.0569
PICTURES BEFORE 	AFTER

The information and photos in this publication are not binding and RITMO S.P.A. is free to make any alterations without prior notice - Ed. 11-2024

RITMO S.P.A

Via A Volta, 35/37 - Bressio di Teolo (Padova) Italy

Ph. + 39 049 9901888 Fax +39 049 9901993 - info@ritmo.it - www.ritmo.it