

PRODUCTS CATALOGUE "AT EASE IN YOUR CONSTRUCTION SITE"





Ritmo meets all your welding needs in your jobsite

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DVANTAGE RITMO



RITMO WORLDWIDE

Ritmo has professional distributors and resellers all over the world. Our staff is ready to assist you in English, Spanish, French, German, Arab, Italian, Russian and Portuguese.

TRAINING

From many years now, we have decided that the best way to grant a client/ distributor a perfect knowledge of our products Is to invest in custom training, in our own premises. These courses are aimed to teach how to operate the products in the best way, and how to supply the "first aid" when necessary.

PRESALES TECHNICAL ASSISTANCE

When a client or a potential client wants to buy us a product, it is our standard procedure to help find the best solution to its needs.

GLOBAL ADVICE

In such a technical field as ours, the customer requires the best assistance. Thanks to the experience developed along the years, and to the co-operation with several manufacturers, institutions, schools and training institutes, RITMO is able to give the most comprehensive advice to no matter which related issue. Our company is a long-time member of a UNIPLAST's (UNI-Italian National Plastics Standards Body) working group dedicated to the study and draw up of new standards within our field. The importance of this group is linked to the fact that the expansion of the plastic welding field ought to be followed by a crescent sensitivity for safety issues, so to have a sustainable and continuous growth. The working group prepares draws, hence present them to the UNI to be discussed and eventually transformed into new standards.

AFTER SALES TECHNICAL ASSISTANCE

Ritmo's Service Centre can solve all kind of technical issues, as well as overhaul our machines. Ritmo has other Service Centres abroad, linked to its official distributors.

STARTING AND TESTING

RITMO' technicians are prepared to make the starting and testing of workshop machines at the client' own premises, so that the fittings production can start almost immediately.













RITMO'S BUTT FUSION MACHINES: WORK PHILOSOPHY AVAILABLE TO EVERYONE!

- MANUAL

welding machines without hydraulic gearcase

- HYDRAULIC welding machines with hydraulic gearcase

- EASY LIFE SYSTEM HIGH LEVEL PERFORMANCE

automated welding cycle welding machines with special hydraulic gearcase Hardware and Software interact to the entire workflow repetition of welding cycles GPS, data-logging and report PDF





 ALL TERRAIN HIGH LEVEL PERFORMANCE self-contained generator on board self-propelled trolley with wheels
welding machines with special hydraulic gearcase automated welding cycle
Hardware and Software interact to the entire workflow repetition of welding cycles
GPS, data-logging and report PDF

 CNC HIGH LEVEL PERFORMANCE automatic welding cycle special hydraulic gearcase and machine body with integrated mechanical extraction of heating plate Hardware and Software interact to the entire workflow repetition of welding cycles
GPS, data-logging and report PDF

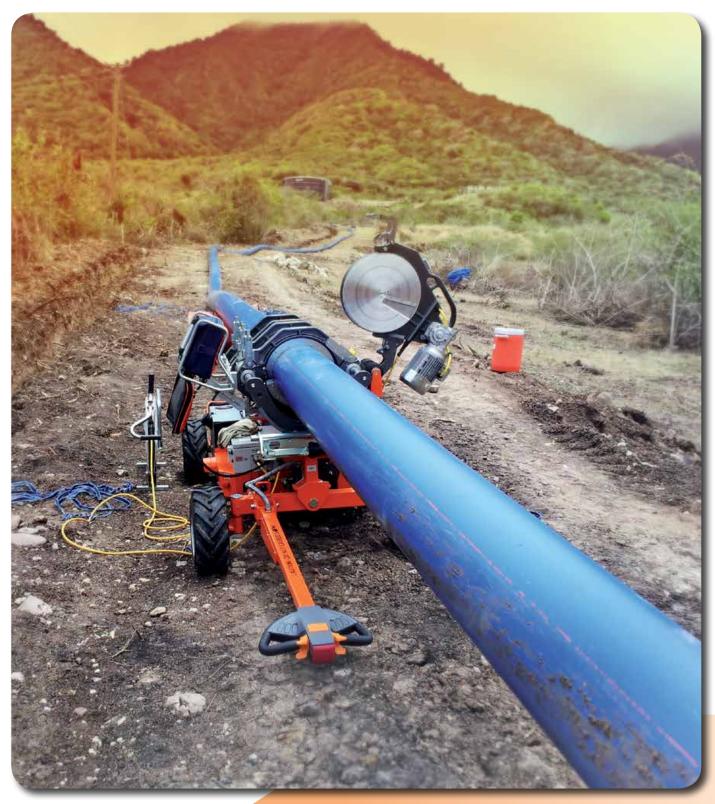




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ALL TERRAIN LINE - TRAILER LINE HIGH LEVEL PERFORMANCE



DIFFERENCES BETWEEN ALL TERRAIN LINE AND TRAILER LINE



wifi (k. ready

	ALL TERRAIN LINE	TRAILER LINE
Working standards mm	V	V
Working standards "IPS /"DIPS	V	V
International standards ISO 21307 HIGH PRESSURE	v	V
Welds fittings	V	V
Easy Life Welding System	V	V
Data-logging	V	V
Wi-Fi Ready	V	V
PRE-SET 20 customized welding cycles	V	V
Intuitive control panel	V	V
GPS traceability	V	V
Report PDF	V	V
Self-contained Generator on-board	V	-
Heater/Facer on-board	V	V
Insert - Fast-locking system	V	V
Trolley with wheels	V	V
Self-propelled	v	-
Remotely wire-controlled up to 12 m (39 ft)	V	V
Carriage can be removed for in-ditch use	V	V
Lateral rollers	v	V





DELTA 1000 TRAILER

DELTA 1000 TRAILER is a self-aligning fusion machine, suitable for welding thermoplastic pipes for the transport of water, gas and other fluids under pressure, up to Ø 1000 mm.

Machine can fuse pipes according to the ISO 21307 High Pressure standard (pressure range is three times and a half higher than the ISO Low Pressure ones). This greatly enhances productivity allowing 60% time saving. Standard machine features:

- Machine body mounted on a 4 wheeled chassis, easily removable for working in tight spaces; steel hydraulic clamping with the fast-locking inserts, which allows to place and remove inserts in seconds; self detaching device: helps removing the heating plate during welding procedure.

- 4 wheeled chassis with 2 steering wheels and a safety brake.

- An on-board hydraulic electric facer that is equipped with a safety microswitch to prevent from accidental starts, a thermal circuit breaker to protect motor.

- An on-board hydraulic heating plate Teflon-coated (PTFE) which comes with a high-temperature-proof bag, which also avoid the heating element from being scratched.

- An EASY LIFE control panel with a large graphic display and GPS traceability, which is also removable from the machine body to be able to weld from outside the ditch. Allows the operator to program and pilot all the welding cycle in an easy, fast and very intuitive way. Includes a data-logging system to store full welding data, downloadable through a USB port. The EASY LIFE system has the capability store up to 4000 joint reports. Possibility to pre-set 20 customized welding cycles. **Easy Life system is "Wi-Fi" ready and works together with the App "SET & GO - PRO".**

- Two hydraulic lateral rollers.

- Control panel for hydraulic movements.

DELTA 1000 TRAILER allows to easily weld fittings like elbows, tees, Y-branches and stub flanges.

STANDARD COMPOSITION













Machine body

Hydraulic Rollers

Hydraulic clamps Control panel with GPS

Hydraulic Milling cutter Hydraulic Heating plate

TECHNICAL FEATURES

	Working range	355 ÷ 1000 mm; 14" IPS ÷ 36" IPS/DIPS
	Materials	HDPE, PP For other materials contact RITMO S.P.A.
PLUS	Power supply*	230 V Three Phase 50/60 Hz 400 V Three Phase 50/60 Hz
355 ÷ 1000 mm	Total absorbed power	32000 W
HYDRAULIC MOVEMENTS	Working temperature	180° ÷ 280° C (356° ÷ 536° F)
CLAMPS, FACER	Outside temperature range	-10° ÷ 40° C (14° ÷ 104° F)
HEATER	Time to reach welding temperature	< 45'
Two hydraulic lateral rollers	Dimensions machine body (W x D x H)	3890 x 2890 x 2845 mm 153.1" x 113.8" x 112"
	Dimensions trolley (W x D)	4450 x 2285 mm 175,2" x 90"
* Suggested power generator	Weight machine body	4385 Kg (9667 lb)
40kVA	Weight Trolley	830 Kg (1830 lb)

ON REQUEST











Inserts Ø355÷900 mm

and:

Tool for flange necks

HS roller 630

Inserts Ø 14"÷ 36" IPS; 14"÷ 36" DIPS; KIT for IN-DITCH USE , KIT hoist, pallet for transport

Trolley

App "Set & Go Pro"





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.

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" a Professional application for smartphones and tablets (Android and iOS) that changes forever the way to work with the Ritmo 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

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









HOW DOES IT WORK?

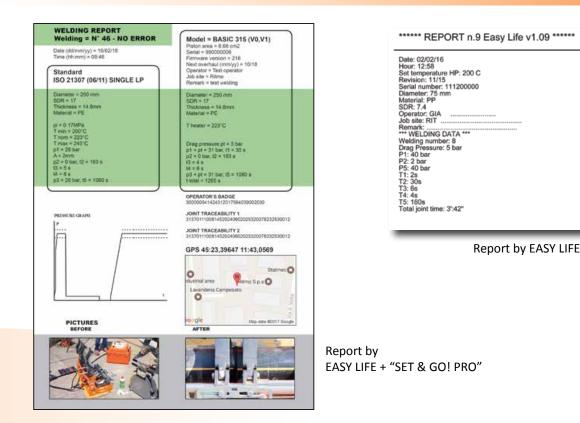
Set-up the easy life welding machine through your smart-phone/tablet with few and easy steps: choose the international welding standards (ISO, DVS, UNI, ASTM, etc.), pipe diameter and SDR.

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!



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BUTT FUSION MACHINES REFERENCE



WORKING RANGE Ø mm	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	800	900	1000	1200	1400	1600
GAMMA 160		40	50	63	75	90	110	125	140	160																			
DELTA 160 M	32	40	50	63	75	90	110	125	140	160																			
DELTA 200 M				63	75	90	110	125	140	160	180	200																	
BASIC 160		40	50	63	75	90	110	125	140	160																			
BASIC 200				63	75	90	110	125	140	160	180	200																	
BASIC 250					75	90	110	125	140	160	180	200	225	250															
BASIC 315						90	110	125	140	160	180	200	225	250	280	315													
BASIC 355								125	140	160	180	200	225	250	280	315	355												
COMPACT 355								125	140	160	180	200	225	250	280	315	355												
BASIC 160 EASY LIFE		40	50	63	75	90	110	125	140	160																			
BASIC 200 EASY LIFE				63	75	90	110	125	140	160	180	200																	
BASIC 250 EASY LIFE					75	90	110	125	140	160	180	200	225	250															
BASIC 315 EASY LIFE						90	110	125	140	160	180	200	225	250	280	315													
BASIC 355 EASY LIFE								125	140	160	180	200	225	250	280	315	355												
DELTA 500 EASY LIFE												200	225	250	280	315	355	400	450	500									
DELTA 630 EASY LIFE															280	315	355	400	450	500	560	630							
DELTA 500												200	225	250	280	315	355	400	450	500									
DELTA 630															280	315	355	400	450	500	560	630							
DELTA 800																				500	560	630	710	800					
DELTA 1000																						630	710	800	900	1000			
DELTA 1200																							710	800	900	1000	1200		
DELTA 1600																								800	900	1000	1200	1400	1600
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DELTA 1000 TRAILER																315	355	400	450	500	560	630	710	800	900	1000			
DELTA DRAGON 250 CNC					75	90	110	125	140	160	180	200	225	250															
DELTA DRAGON 315 CNC						90	110	125	140	160	180	200	225	250	280	315													
WORKING RANGE Ø mm	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	800	900	1000	1200	1400	1600

CTS	1"	1%"	1%"	2"																												
IPS					1"	1%"	1½"	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	42"	48"	52"	54"	63
GAMMA 160					•	•	•	•	•	•	•																					
DELTA 160 M	•	•	•	•	•	•	•	•	•	•	•																					
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DELTA 355 TRAILER										•	•	٠	•	•	•	•																
DELTA 355 ALL TERRAIN										•	•	٠	٠	•	•	•																
DELTA 500 TRAILER												•	٠	•	•	•	•	•	•													
DELTA 500 ALL TERRAIN												•	•	•	•	•	•	•	•													
DELTA 630 TRAILER													•	•	•	•	•	•	•	•	•											
DELTA 630 ALL TERRAIN													٠	•	•	•	•	•	•	•	•											
DELTA 1000 TRAILER																•	•	•	•	•	•	•	•	•	•	•	•					
IPS					1"	1%"	1%"	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	42"	48"	52"	54"	63

DIPS	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	54"	60"
GAMMA 160		•															
DELTA 160 M	•	•															
DELTA 200 M	•	•	•														
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BASIC 315	•	•	•	•	•												
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DELTA 500 EASY LIFE				•	•	•	•	•	•								
DELTA 630 EASY LIFE					•	•	•	•	•	•							
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DELTA TRAILER 250	•	•	•	•													
DELTA 355 TRAILER		•	•	•	•	•	•										
DELTA 355 ALL TERRAIN		•	•	•	•	•	•										
DELTA 500 TRAILER			•	•	•	•	•	•	•								
DELTA 500 ALL TERRAIN			•	•	•	•	•	•	•								
DELTA 630 TRAILER				•	•	•	•	•	•	•	•						
DELTA 630 ALL TERRAIN				•	•	•	•	•	•	•	•						
DELTA 1000 TRAILER							•	•	•	•	•	•	•				
DIPS	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	54"	60"



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