

PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

www.ritmo.it 





Ritmo meets all your welding needs in your jobsite



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

A 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,

APP "SET & GO PRO" (optional)



- **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,

APP "SET & GO PRO" (optional)



- **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



ALL TERRAIN LINE - TRAILER LINE

HIGH LEVEL PERFORMANCE



DIFFERENCES BETWEEN ALL TERRAIN LINE AND TRAILER LINE

PLUS

**HIGH
PERFORMANCE**

**ENHANCES
PRODUCTIVITY**

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





watch the video

DELTA 630 ALL TERRAIN

DELTA 630 ALL TERRAIN is powered by a low-vibration diesel engine, suitable for welding thermoplastic pipes for the transport of water, gas and other fluids under pressure, up to \varnothing 630 mm (24" IPS"). Machine can fuse pipes according to the ISO 21307 High Pressure standard.

Standard machine features:

- Working range: \varnothing 225* - 630 mm (8" IPS - 24" DIPS); * \varnothing 225 mm from SDR 26 to SDR 7
- 4 steering wheels drive
- Diesel-engine 2200 cc 22,7 Kw
- Self-contained with on-board generator
- Sliding 3rd CLAMP for fittings welding
- Automatic welding System "Easy Life". **Easy Life system is "Wi-Fi" ready and works together with the App "SET & GO PRO".**
possibility to pre-set 20 customized welding cycles
- DATA-LOGGING with GPS; memory 4000 report
- Detachable Control Panel
- Remotely wire-controlled up to 12 m
- Trench-Friendly
- SmartLock Inserts
- Hydraulic Lifts
- Hydraulic-controlled Clamps and Milling cutter
- Climbs rough terrain up to 30%

STANDARD COMPOSITION



Machine body



Hydraulic
Rollers



Hydraulic
clamps



Control panel
with GPS



Hydraulic
Milling cutter



Hydraulic
Heating plate

TECHNICAL FEATURES

PLUS

225 ÷ 630 mm
4 STEERING WHEELS
DRIVE
SELF CONTAINED
WITH ON-BOARD
GENERATOR

Working range	225* ÷ 630 mm; 8" IPS ÷ 24" DIPS
Materials	HDPE, PP For other materials contact RITMO S.P.A.
Engine	2200 cc - 22,7 Kw
Fuel type	Diesel
Fuel tank capacity	40 Litres
Operational tank capacity	12 Hours
Hydraulics reservoir capacity	80 Litres
Dimensions machine body (W x D x H)	2200 x 3100 x 2000 mm 86.6" x 122" x 78.8"
Weight machine body	800 Kg (1764 lb)
Weight standard composition	3000 Kg (6614 lb)

*225 mm from SDR 26 to SDR 7

ON REQUEST



Inserts
Ø 225 ÷ 630 mm



Tool for flange
necks



App
"Set & Go Pro"

and:

Inserts Ø 8" ÷ 24" IPS; 8" ÷ 20" DIPS; KIT for IN-DITCH USE,
HS Roller 630, KIT hoist, metal cage for transport



U.S.A.





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 ECO / 1600 HDR																								800	900	1000	1200	1400	1600		
DELTA 250 TRAILER					75	90	110	125	140	160	180	200	225	250																	
DELTA 355 TRAILER								125	140	160	180	200	225	250	280	315	355														
DELTA 355 ALL TERRAIN								125	140	160	180	200	225	250	280	315	355														
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DELTA 630 ALL TERRAIN													225	250	280	315	355	400	450	500	560	630									
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	IPS																																					
	1"	1¼"	1½"	2"	1"	1¼"	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	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
DELTA 200 M																																						
BASIC 160					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
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DELTA 1600 ECO / 1600 HDR																																						
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DIPS																																						
	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	54"	60"																					
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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"																					





**Ritmo**
PLASTIC WELDING TECHNOLOGY



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