

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



PLUS

32 ÷ 160 mm

**CLAMP-ALIGNER
SYSTEM PATENTED
BY RITMO**



DELTA 160 M

DELTA 160 M is a manual butt fusion welder for pipes up to \varnothing 160 mm up to 4" DIPS. Leading particulars are the restricted weight, minimum overall dimensions and versatility. Featuring: a machine body, two clamps, an extractable electric milling cutter provided with a safety micro-switch, an extractable heating plate (with an independent thermometer to see the real working temperature and an electronic thermoregulator "Digital Dragon" with display), and two lateral supports on request. DELTA 160 M have a locking device clamps - aligner RITMO Patented, that helps the operator to apply the necessary welding force. The Digital Dragon is an high precision electronic thermoregulator ($\pm 1^\circ$ C accuracy) with digital display and regulating buttons. This new system includes Led indicators to check if the machine is working normally (live tension and working temperature), contingent probe's failures and/or temperature anomalies.

STANDARD COMPOSITION

- Machine body
- Heating plate with digital electronic temperature control
- Milling cutter
- Milling cutter/Heating plate support with pre-insulate bag

ON REQUEST

Clamps' inserts from \varnothing 32 to 140 mm;
 \varnothing 1" ÷ 2" CTS; \varnothing 1" ÷ 4" IPS; \varnothing 3" ÷ 4" DIPS
 Lateral support (while stocks last)
 Trolley for machine transportation and support (while stocks last)



TECHNICAL FEATURES

Working range	32 ÷ 160 mm: 1" CTS ÷ 4" DIPS
Materials	HDPE, PP For other materials contact RITMO S.P.A.
Power supply*	110 V Single Phase 50/60 Hz 230 V Single Phase 50/60 Hz
Total absorbed power	2020 W (110 V) 1600 W (230 V)
Working temperature	180° ÷ 280° C (356° ÷ 536° F)
Outside temperature range	-10° ÷ 40° C (14° ÷ 104° F)
Weight machine body	35 Kg (77.1 lb)
Dimensions machine body	450 x 384 x 830 mm 17.7" x 15.1" x 32.6"

* Suggested power generator 3,5 ÷ 4kVA

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														
DELTA 500 TRAILER												200	225	250	280	315	355	400	450	500											
DELTA 500 ALL TERRAIN												200	225	250	280	315	355	400	450	500											
DELTA 630 TRAILER													225	250	280	315	355	400	450	500	560	630									
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"	1 1/4"	1 1/2"	2"	1"	1 1/4"	1 1/2"	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					
BASIC 200								
BASIC 250								
BASIC 315									
BASIC 355										
COMPACT 355										
BASIC 160 EASY LIFE					
BASIC 200 EASY LIFE								
BASIC 250 EASY LIFE									
BASIC 315 EASY LIFE										
BASIC 355 EASY LIFE											
DELTA 500 EASY LIFE													
DELTA 630 EASY LIFE														
DELTA 500															
DELTA 630																
DELTA 800																					
DELTA 1000																						
DELTA 48"																							
DELTA 1600 ECO / 1600 HDR																																						
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"
GAMMA 160		.															
DELTA 160 M	.	.															
DELTA 200 M	.	.	.														
BASIC 160	.	.															
BASIC 200	.	.	.														
BASIC 250													
BASIC 315												
BASIC 355											
COMPACT 355										
BASIC 160 EASY LIFE	.	.															
BASIC 200 EASY LIFE	.	.	.														
BASIC 250 EASY LIFE													
BASIC 315 EASY LIFE												
BASIC 355 EASY LIFE											
DELTA 500 EASY LIFE				
DELTA 630 EASY LIFE					
DELTA 500						
DELTA 630							
DELTA 800								
DELTA 48"												
DELTA 1600 ECO / 1600 HDR																	
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						





**Ritmo**
PLASTIC WELDING TECHNOLOGY



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



RITMO S.p.A.

Via A. Volta, 35/37 - 35037
Bresseo di Teolo (PADOVA) ITALY

Ph. +39 049 9901888
Fax +39 049 9901993

info@ritmo.it
www.ritmo.it

