

# PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

[www.ritmo.it](http://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**  
PLASTIC WELDING TECHNOLOGY



# 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



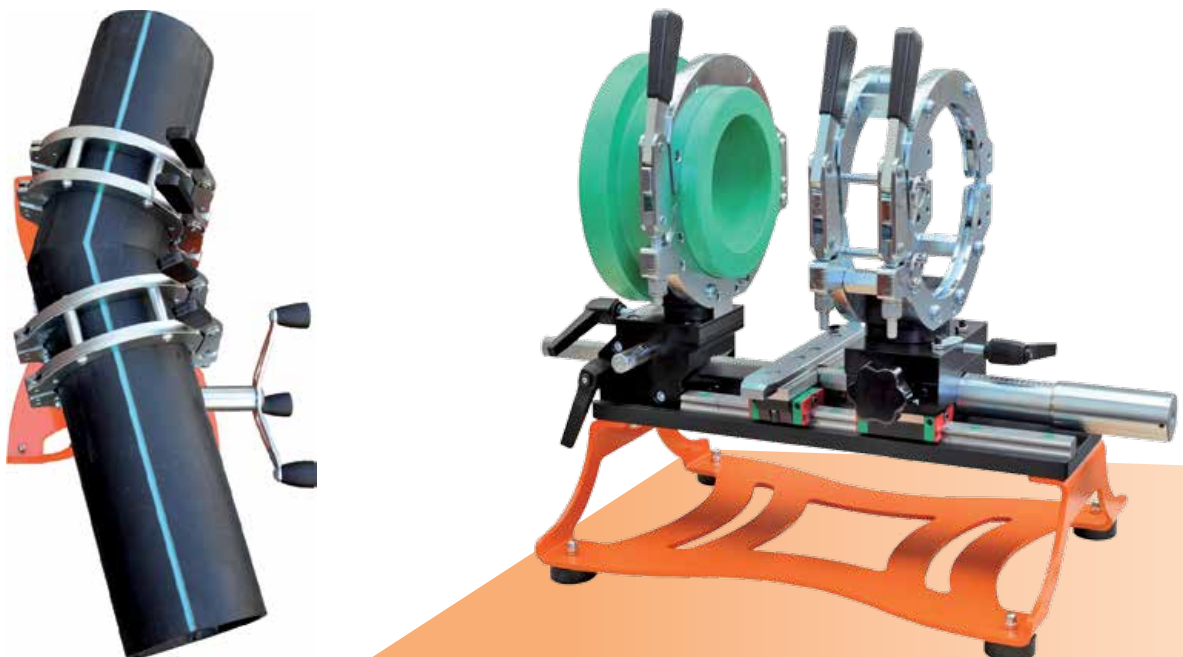


## GAMMA 160

GAMMA 160 is a manual butt welding machine for HDPE and PP pipes up to  $\varnothing$  160 mm (4" IPS). GAMMA 160 features special jaws for **manufacturing elbows**. Machine can also weld moulded fittings like bends, tees, wyes (Y) and flange necks up to  $\varnothing$ 160 mm; short flange necks can be welded with the help of a stub end holder (on request), applied to the clamps. Machine body of GAMMA 160 is compact and easy to transport. Available in the 110 V or 230 V version.

### STANDARD COMPOSITION

- A machine body with pressure regulating device of the bench vice closure
- A steel frame for the support of the machine body
- Steel sliding clamps with fast closing system
- An heating plate with an electronic temperature control device
- An electrically controlled milling cutter for levelling the ends of the pipe and/or fitting, with safety micro-switch against accidental starters
- A support for the milling cutter and the heating plate
- Steel adapters  $\varnothing$  40, 50, 63, 75, 90, 110, 125, 140 mm (1 1/4" IPS ÷ 4" IPS)
- A case for the adapters



## TECHNICAL FEATURES

**PLUS**

**MANUFACTURING  
ELBOWS**

**SPECIAL CLAMP  
FOR FITTINGS**

Working range	40 ÷ 160 mm; 1½" IPS ÷ 4" IPS
Materials	HDPE, PP, PVDF 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)
Weight machine body	25 Kg (55.1 lb)
Weight standard composition	85 Kg (187,4 lb)
Dimensions machine body	610 x 300 x 470 mm 24" x 11.8" x 18,5"

### ON REQUEST

Ø 1½" ÷ 4" IPS;  
tool for flange necks,  
thin single clamp.



# 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
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"	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	•	•	•	•	•	•	•	•	•	•	•	•	•																							
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BASIC 250 EASY LIFE									•	•	•	•	•	•	•	•																				
BASIC 315 EASY LIFE									•	•	•	•	•	•	•	•	•																			
BASIC 355 EASY LIFE										•	•	•	•	•	•	•	•	•																		
DELTA 500 EASY LIFE														•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
DELTA 630 EASY LIFE																																				
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DELTA 1000 TRAILER																																				
IPS																																				

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																	
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																	



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