

# RITMO AMERICA



"AT EASE IN YOUR JOBSITE"

[www.ritmoamerica.com](http://www.ritmoamerica.com)





RITMO S.P.A. is a world leader with over 35 years of experience in the manufacturing of plastic welding equipment. All products are designed and built according to International standards and directives (UNI, ISO, CEE). Since the very beginning, quality and technology innovation are RITMO's milestones, and time after time, this philosophy is always more recognized by the global market. RITMO strong points are its ideas to design and produce accurate, fast, versatile, modular and easy-to-use welding machines. Products range includes butt fusion, electrofusion and extrusion equipment. Ritmo is also providing a complete line of accessories and useful instruments for pipe cutting and weld preparation such as the band saws. RITMO's regards towards the client has brought to the new-born "RITMO FUSION OPERATOR SCHOOL", which is a welding school with the goal of building qualified personnel and spread the knowledge about the technical potentiality of RITMO's equipment: **TECHNOLOGY MADE IN ITALY.**

**MADE IN ITALY**

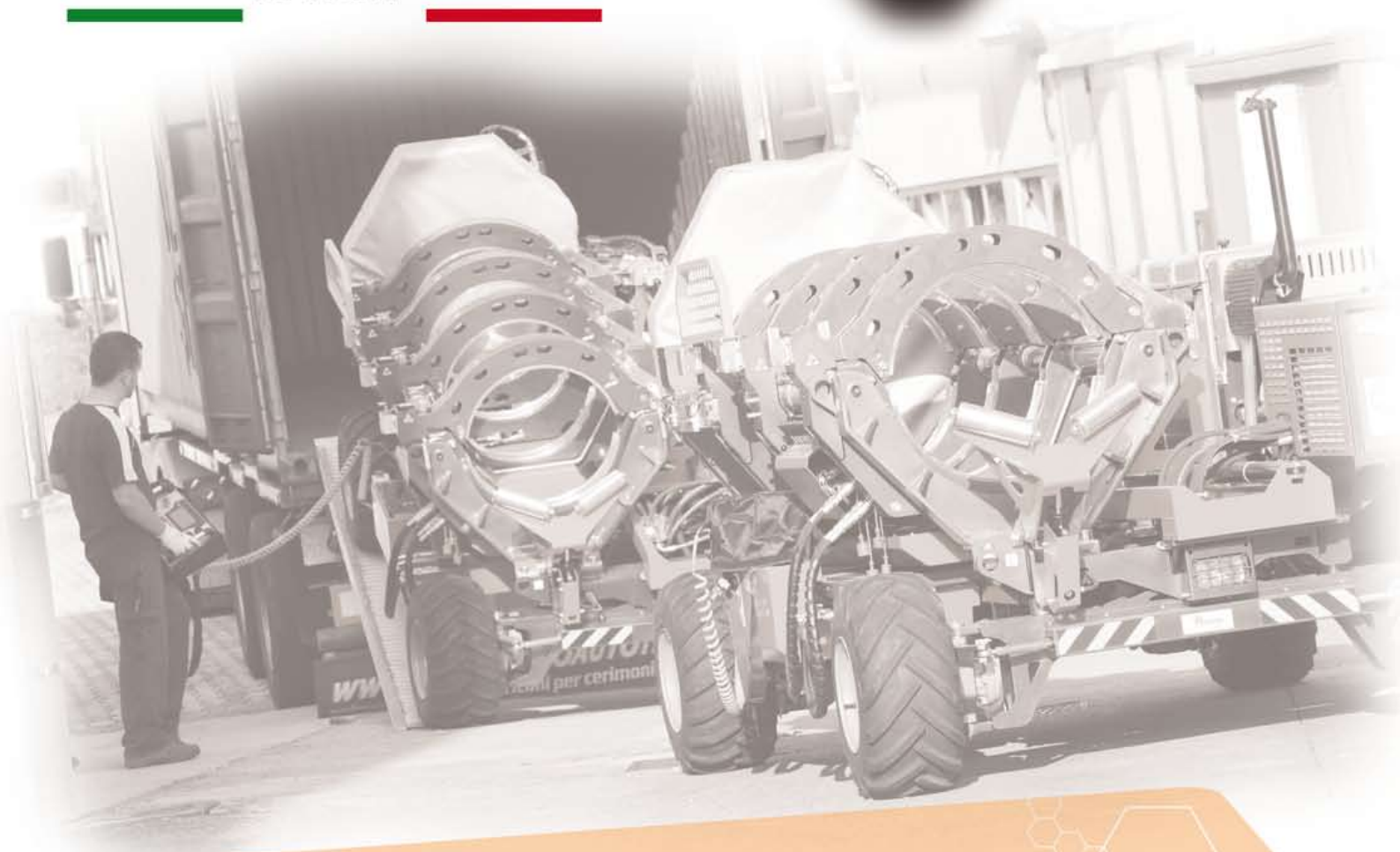
DESIGNED & MANUFACTURED  
IN ITALY



watch the video



**ISO 9001**  
Quality System





Ritmo America LLC - FL

# RITMO AMERICA

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Rossella Contiero - Managing Director



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[www.youtube.com/user/RitmoPlasticWelding](http://www.youtube.com/user/RitmoPlasticWelding)

# A

# D V A N T A G E

## RITMO SERVICE

### **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.*

# BUTT FUSION MACHINES



## WORKING RANGE

MODEL	IPS	DIPS	1	1¼	1½	2	3	4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	40	42	48	54	60	63	
DELTA 160 M																																
BASIC 160 EASY LIFE																																
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● On request



# DELTA 160 M



**DELTA 160 M** is a manual butt fusion welder for pipes up to Ø 5" IPS (160 mm). Leading particulars are the restricted weight, minimum overall dimensions and versatility. Featuring: a machine body, two clamps, an extractable electric facer 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 welder is equipped with a **clamp-aligner system patented by Ritmo**, thus allowing the operator to apply the correct welding force.

The Digital Dragon is an high precision electronic thermoregulator ( $\pm 1^\circ \text{C}$  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
- Facer
- Facer/Heating plate support

## ON REQUEST (ACCESSORIES)

- Clamps' inserts from :  
1" IPS ÷ 4" IPS; 1¼ CTS ÷ 2" CTS; 3" DIPS ÷ 4" DIPS ; 32 ÷ 140 mm
- Lateral support (while stocks last)
- Trolley for machine transportation and support (while stocks last)



## TECHNICAL FEATURES

Working range	1" IPS ÷ 5" IPS (32 ÷ 160 mm)	
Power supply	120 V	230 V
	Single phase - 50/60 Hz	
Total absorbed power	2020 W	1600 W
Working temperature	356° ÷ 536° F	
Outside temperature range	14° ÷ 104° F	
Materials	HDPE, PP <small>For other materials contact RITMO S.p.A.</small>	

<b>DIMENSIONS (W x D x H)</b>	
Machine body	17,7" x 15,1" x 32,6"
<b>WEIGHT</b>	
standard composition	77 lb

# ROLLERS



ROLLERS 355

This device is essential for supporting the pipes while they are being welded with the butt fusion machines. The roller minimizes pipe friction and drag force independently of the jobsite conditions.

- **ROLLER 355** can sustain pipes up to Ø 14" IPS (355 mm). Easy to use and light
- **ROLLER 1000** can sustain pipes from up to 36" DIPS (1000 mm). The structure is light, so it is easy to carry and can be disassembled and reassembled in a few steps. This feature allows to store up to eight rollers in a single pallet thus improving transportation and logistics. Another advantage is the misalignment of the rollers in order to move the pipe easily even with the presence of weld beads. Working range from Ø 10" DIPS to 36" DIPS (315 to 1000 mm).

## STANDARD EQUIPMENT

- Complete roller with tools

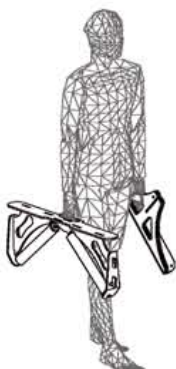
## TECHNICAL FEATURES

ROLLERS 355
Working range up to 14" IPS 0÷355 mm
Dimensions 14,2" x 7,8" x 7,8"
Weight 29 lb

ROLLERS 1000
Working range 10" ÷ 36" DIPS 315÷1000 mm
Dimensions 41" x 23,6" x 12,6"
Weight 59,5 lb

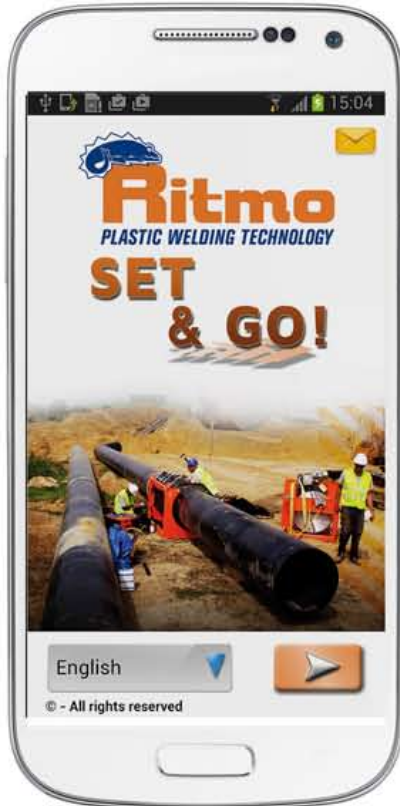


ROLLERS 1000



# DOWNLOAD

## SET & GO!



APP developed by RITMO for its butt fusion machines.

“SET & GO” calculates the welding parameters in a simple, fast and useful way.

Through easy steps, like selecting the machine model, setting up the pipe data and choosing the welding standard, “SET & GO” tells you immediately your welding parameters!

The welding cycle is assisted and guided, step-by-step, by a handy timer with countdown function

“SET & GO” ...set to the future!





## BUTT FUSION MACHINES REFERENCE

MODEL	32	40	50	56	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	
Millimeters	32	40	50	56	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	
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