

RITMO AMERICA



"AT EASE IN YOUR JOBSITE"

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



Follow RITMO on



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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DELTA 1200																																	
DELTA 1600																																	
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			

● On request



DELTA 500



This is a self-aligning machine, suitable for fusion ducts for the transport of water, gas and other fluids under pressure, up to Ø 18" IPS (500 mm). The **DELTA 500** was designed in accordance to the International correspondent standards (UNI 10565, ISO 12176-1), and consists of:

- **A machine body** with a steel bearing frame, four steel clamps and two hydraulic thrust cylinders with non-drip quick couplings and **steel inserts patented by Ritmo**.
- **Self detaching device**: helps removing the heating plate during fusion procedure.
- **An extractable heating plate** with separate thermometer for reading the working temperature.
- **An extractable electric facer** for leveling the ends of the pipe and/or fitting, with a safety microswitch and overload cutout. Facer's plastic control box is protected by a metal frame, and equipped with a fast removing system to speed up the extraction from machine body.
- **An electrohydraulic gearcase** with a clamps opening and closing lever, maximum pressure and release valves (also useful when fusion with the "Dual Pressure" procedure), hydraulic hoses with non-drip quick couplings, a timer (for the heating and welding phases).
- **Digital electric connections** box with the high precision ($\pm 1^\circ\text{C}$) "Digital Dragon" temperature controller protected by a special container and equipped with a reading display and keys for temperature adjustment.
- **A facer/heating plate support**.

With **DELTA 500** it is possible to fusion fittings such as elbows, tees, wyes and stub ends. This is possible because the 3rd clamp can be anchored to the 1st and 2nd (movable) and slide along with the pipe. The fitting have to be locked in the 4th clamp. Short neck stub ends can be fused with the help of a special tool (on request).

Available in 230 V and 400 V.

STANDARD COMPOSITION

- Machine body with a tool kit
- TP DELTA 500 TE plate
- Facer
- Electrohydraulic gearcase
- Facer/heating plate support

ITALY



TECHNICAL FEATURES

Working range	8" IPS + 18" IPS 200 ÷ 500 mm
Power supply	230 V Single phase 50/60 Hz
Total absorbed power	7950 W
Working temperature	356° + 536° F
Outside temperature range	14° + 104° F
Time to reach welding temperature	< 20 min.
Materials	HDPE, PP, PVDF <small>For other materials contact RITMO S.P.A.</small>
DIMENSION (W x D x H)	
Machine body	50" x 31" x 31"
WEIGHT	
Machine body	507 lb
Standard composition	900 lb



ON REQUEST (ACCESSORIES)

- Clamps' inserts from
Ø 8" IPS to 18" IPS;
Ø 8" DIPS to 16" DIPS;
Ø 200 to 450 mm
- Tool for flange necks
- Electrical crane
- THE INSPECTOR data-logging
- Special transport wooden case or metal cage (DELTA 500 only)
- Special transport wooden case or metal cage (gearcase/plate/cutter)
- Wooden case for inserts
- Machine body trolley
- Rollers



HUNGARY



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

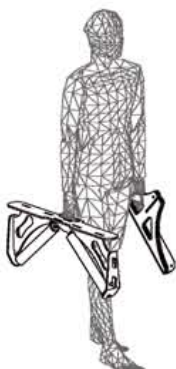
TECHNICAL FEATURES

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

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



ROLLERS 1000



INTERNAL DEBEADER



watch the video

Internal Debeader by RITMO S.p.A. covering a range from Ø 3" IPS* (90 mm) up to 18" IPS* (500 mm).
A complete kit set is composed by:

- 6 pcs of alloy rods 2,15 mtr each (one is acting as turn handle)
- 5 pcs of center rings to ensure that the rods are in center of the pipe.
- Alloy rods are delivered in a special carrying bag with a handle
- **Internal Debeader Head 90 - 110**
INCH nominal 3,54"- 4,33"; 3" IPS; 90 ÷ 110 mm
- **Internal Debeader Head 125 - 160**
INCH nominal 4,92"- 6,29"; 4" - 5" IPS; 125 ÷ 160 mm
- **Internal Debeader Head 160 - 200**
INCH nominal 6,29"- 7,87"; 5" - 6" IPS; 160 ÷ 200 mm
- **Internal Debeader Head 225 - 315**
INCH nominal 8,85"- 12,40"; 8" - 10" IPS; 225 ÷ 315 mm
- **Internal Debeader Head 355 - 500**
INCH nominal 13,97"- 19,68"; 12" - 14" - 16" - 18" IPS; 355 ÷ 500 mm

Internal Debeader Heand can be ordered separately too.

ADVANTAGES:

Intuitive and easy to use, accurate, versatile, composed of few parts.

TECHNICAL FEATURES

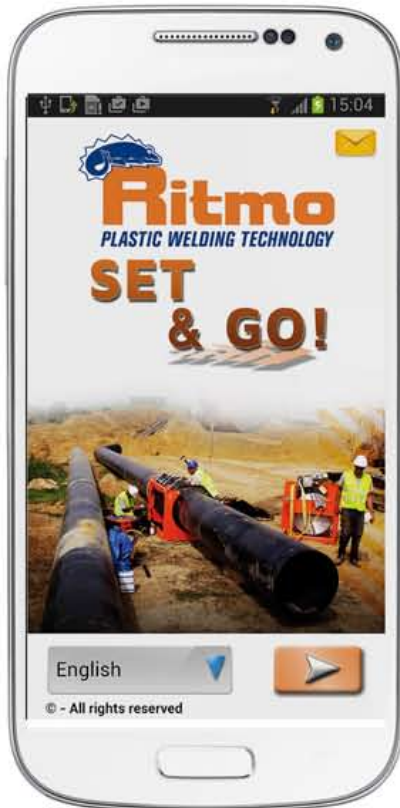
Model	SDR range
Ø 90 mm	17 ÷ 26
Ø 110 ÷ 450 mm	11 ÷ 26
Ø 500 mm	17 ÷ 26

* Contact us or your distributor for reference chart of SDR covered



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																															
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DELTA 1600																															
Millimeters																															



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



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the Corporate Video