

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

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Rossella Contiero - Managing Director



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www.youtube.com/user/RitmoPlasticWelding

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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.

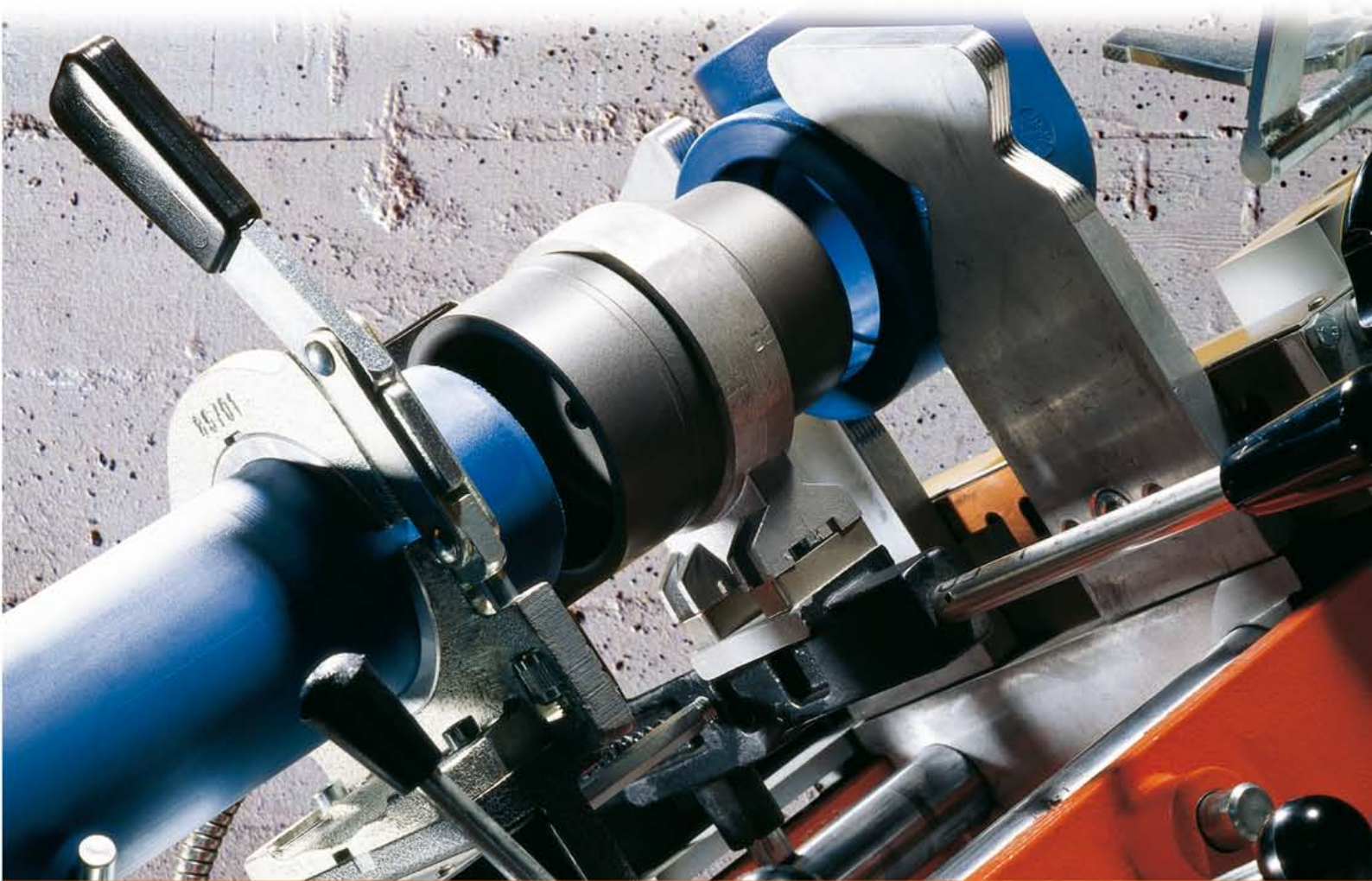
AFTER SALES TECHNICAL ASSISTANCE

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.

SOCKET WELDERS



MODEL	WORKING RANGE							
	½	¾	1	1¼	1½	2	3	4
PRISMA JIG	•	•	•	•	•	•	•	•
PRISMA 125 LIGHT						•	•	•
PRISMA 125		•	•	•	•	•	•	•
MANUAL EQUIPMENT								
R 63	•	•	•	•	•	•		
R 125 Q	•	•	•	•	•	•	•	•

• On request



PRISMA JIG

The PRISMA JIG is a compact socket welding machine for HDPE, PP and PP-R, PVDF, PB OD 20* ÷ 125 mm (½" IPS ÷ 4" IPS); standard composition steel clamps from Ø 63 to 125 mm (2" IPS ÷ 4" IPS); on request from Ø 20 to 63 mm (½" IPS ÷ 2" IPS). The machine displays a steel frame that can be used as a support to the aligning body; the unit distinguishes itself by being able to work in tight spaces, after a swift releasing manoeuvre of the frame.

The PRISMA JIG has two trolleys, a fixed and a movable one, with practical closing handwheels in order to ensure a perfect grip in between clamp and pipe/fitting. The machine also features steel auto-centering clamps: a special clamp for the fitting, and a couple of paired clamps designed to keep the pipe in position. The trolley closing and opening operations are performed by a "mutual" starter. The special fittings clamp is placed on the fixed trolley. Whenever the type of work requires a different clamping configuration, it is rather easy to unlock and change the machine's operativeness.

The heating operation is performed by the R 125 Q hand socket welder with TFE fixed temperature control. The main distinctiveness of the TFE device is its security: an acoustic auto-diagnosis alarm indicates when the heating plate has reached the working temperature, but also shuts off the heating plate automatically if any anomaly happens. Thanks to a combined control system, the TFE device responds rather quickly to any temperature fluctuation forced by external causes; on the other hand, it also gives a greater stability, welding precision and reliability in time. A sustaining handle may be placed at the heating plate, in order to simplify the working phases.

The R 125 Q is available in 120 and 230 V. The welding machine is available in two versions, depending on the type of sockets & spigots supplied: Type A and Type B.

STANDARD COMPOSITION:

- Machine body complete with clamps and frame
- R 125 Q TF hand socket welder
- Socket welder fork support
- Clamps and sockets & spigots (A or B type)
- Transport case for socket welder and sockets & spigots
- Transport case for machine body
- Sustaining handle and tool kit



TECHNICAL FEATURES

Working range*	63 + 125 mm 2" IPS + 4" IPS	
Power supply	120 V	230 V
	Single phase 50/60 Hz	
Total absorbed power	1400 W	1400 W
Working temperature	500° F (±50° F)	
Outside temperature range	23° + 104° F	
Materials	HDPE, PP, PP-R, PB, PVDF	

DIMENSION (W x D x H)

Machine body	15,7" x 13,2" x 10,5
Machine body and frame	15,7" x 13,2" x 15"
Socket welder	6,8" x 1,9" x 15,5"
Transport case Prisma JIG	17,7" x 12,2" x 19"
Transport case Socket Welder	19,3" x 12,2" x 19"

WEIGHT

Machine body	21 lb
Frame Prisma JIG	5,5 lb
Socket welder	7 lb

* ON REQUEST

- Clamps for pipe Ø 20 + 63 mm (½" IPS" + 2" IPS)





RITMO AMERICA LLC

300 Acuff Road - Lake Wales FL 33859
Phone 863-679-8655 Fax 863-679-8685
www.ritmoamerica.com - info@ritmoamerica.com



RITMO S.p.A.

Via A. Volta, 35/37 - 35037 Bresseto di Teolo (PADOVA) ITALY
Ph. +39 049 9901888 Fax +39 049 9901993
info@ritmo.it - www.ritmo.it



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