



Ritmo

PLASTIC WELDING TECHNOLOGY





RITMO S.P.A. is a 30 year experienced company and leader in 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.



**ISO 9001
Quality System**

...the result of
our joint
efforts



PRISMA 90



This workshop/construction site welding machine is suitable for the socket fusion of pipes and fittings up to an O.D. of 90 mm, in accordance with the standards in force.

The **PRISMA 90** is composed of a machine body featuring a selector for the welding depths of the different diameters, an adjustable clamp for locking the pipes, a self-centring clamp for locking the fittings (different brands), a selfcentering socket welder with electronic temperature control, a device for the maximum heating depth, three machine supporting legs, a tripod to support the pipe, a set of sockets and spigots for socket fusion from Ø 20 to Ø 90 mm with steel case, and a set of centering sockets and spigots in Aluminium, useful for realigning the pipe locking clamp with respect to the self-centring one, when necessary. The welding machine is available in two versions, depending on the type of sockets & spigots supplied: **PRISMA 90 type A** and **PRISMA 90 type B**.

STANDARD COMPOSITION

- Machine body complete with an electronic socket welder, fittings support and a "V" shaped pipe support;
- Machine support (composed of 3 legs);
- Steel case complete with sockets & spigots from Ø 20 to Ø 90 mm, centering devices from Ø 20 to Ø 90 mm, clamp adapters from Ø 20 to Ø 75 mm, and tool kit;
- Pipe support tripod.

TECHNICAL FEATURES

Working range	20 ÷ 90 mm	
Power supply	110 V	230 V
	Single phase - 50/60 Hz	
Total absorbed power	1000 W	
Working temperature	180 ÷ 280°C	
Room temperature range	-5 ÷ +40°C	
Time to reach welding temperature	~ 10 min.	
Materials	HDPE, PP, PP-R, PB, PVDF	

DIMENSIONS (W x D x H)	
Machine being used	590 x 595 x 630 mm
Transport wooden case	760 x 665 x 490 mm

WEIGHT	
TOTAL (Prisma 90 only)	54 Kg

RITMO also produces special sockets and spigots that are useful for the on-site repairs of pipes that have been accidentally perforated. They are called **hole repairing sockets**, available in three different types:

- Ø 7 mm hole repairing socket for Ø 7 mm holes;
- Ø 8 mm hole repairing socket for Ø 8 mm holes;
- Ø 11 mm conical hole repairing socket for Ø 11 mm holes.



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WHERE THERE'S PLASTIC TO WELD



CONTACT RITMO!

BASIC LINE

BUTT FUSION MACHINES



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