



# 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



# DELTA 250 TRAILER



Self-aligning hydraulic butt fusion machine, suitable for welding underpressure pipes for water, gas and other fluids up to Ø 250 mm. Built according to the national and international standards (UNI 10565, ISO 12176-1), **DELTA 250 TRAILER** includes:

- **A trailer-mounted machine body**, easily removable from the trolley in order to perform also into the ditch, adapting to the conditions of the job site. The body is also able to tilt, allowing the operator to work with the clamps in a horizontal or inclined position. It comes with the fast-locking adapters system SMARTLock, thanks to which is possible to change adapters in few seconds.
- **An on-board electric milling cutter** that is equipped with a safety microswitch to prevent from accidental starts, a thermal circuit breaker to protect the engine and also features an ergonomic docking system and on/off switches. To allow the weld in ditches, the milling cutter is easily removable from the trolley/machine body in order to reduce the overall dimensions of the machine and ease the load/unload process.
- **An extractable heating plate** Teflon-coated (PTFE) equipped with an independent thermometer to check the working temperature.
- **An EASY LIFE control panel** which is also removable from the machine body to be able to check the welding phases outside from the ditches. It allows the operator to program and pilot all the welding duty cycle in an easy, fast and very intuitive way. It also controls the temperature of the heating plate, always visible on the display. It includes a data-logging system to store the welding data, connectable to a PC or a laptop by serial port/USB for the data download.
- **A heating plate support** which comes with a high-temperature-proof bag, which also avoid the heating element from being scratched.

**DELTA 250 TRAILER** is able to weld fittings like elbows, tees, Y-branches and flanges necks. Available in the 110V and 230V versions.

## STANDARD COMPOSITION

- Machine body group complete with: trolley, hydraulic gearcase,
- EASY LIFE control panel, milling cutter, bag and keys;
- Heating plate TP DELTA 250 TE with support;
- Lateral rollers.

## TECHNICAL FEATURES

Working range	75 ÷ 250 mm	
Power supply	110 V	230 V
	Single phase - 50/60 Hz	
<b>Total absorbed power</b>	<b>4400 W</b>	<b>4200 W</b>
Working temperature	180 ÷ 280°C	
Ambient temperature	-5 ÷ +40°C	
Time to reach welding temperature	< 20 min.	
Materials	HDPE, PP, PB, PVDF For other materials contact RITMO spa	

<b>DIMENSIONS (W x D x H)</b>	
Machine body	1080 x 1380 x 1330 mm

<b>WEIGHT</b>	
Machine body	85 Kg
<b>Standard composition</b>	<b>206 Kg</b>



Steering wheels



SMARTLock system

### ON REQUEST (ACCESSORIES)

- Clamps' inserts from Ø 75 to 225 mm (8 pcs/Ø);
- Tool to weld flanges' necks/ Stub-end holder;
- Software for data download (data-logging) with serial/USB cable.





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WHERE THERE'S PLASTIC TO WELD



CONTACT RITMO!

# **BASIC LINE**

## **BUTT FUSION MACHINES**



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