



# 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.



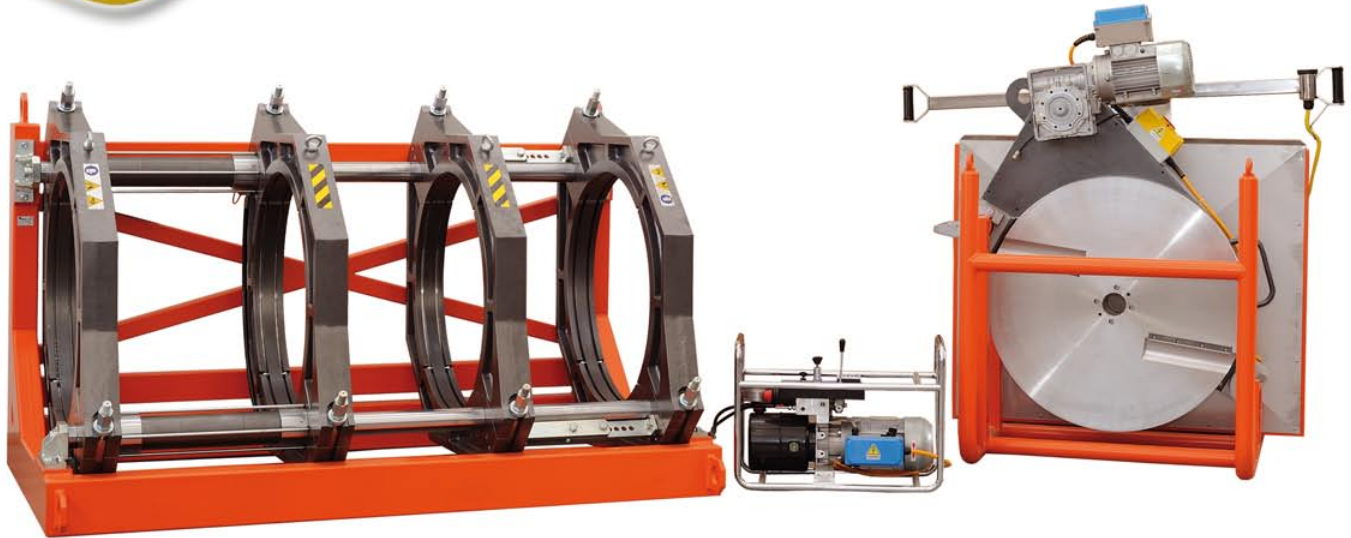
**ISO 9001  
Quality System**

...the result of  
our joint  
efforts





## DELTA 800



This is a self-aligning machine, suitable for welding ducts for the transport of water, gas and other fluids under pressure, up to Ø 800 mm. The **DELTA 800** was designed in accordance to the Italian and international correspondent standards (UNI 10565, ISO 12176-1), and consists of:

- **A machine body** with a bearing frame, four clamps and two hydraulic thrust cylinders with non-drip quick couplings.
- **An extractable heating plate** with separate thermometer for reading the working temperature.
- **An extractable** electrically controlled **milling cutter** for levelling the ends of the pipe and/or fitting, with a safety microswitch and overload cutout.
- **An electrohydraulic gearcase** with a clamp opening and closing lever, maximum pressure and discharge valves (useful also during the "Dual Pressure" welding), hydraulic hoses with non-drip quick couplings, a timer (for the heating and welding phases), an extractable electrical panel with power outlet for the heating plate, an electronic thermoregulator for the control of the working temperature, a differential circuit breaker, and a special connection for the electronic data-logger **INSPECTOR**.
- **A milling cutter/heating plate support.**

The **DELTA 800** can weld fittings such as bends, tees, branches and flange necks. This is possible because the 3rd clamp can be anchored to the 1st and 2nd (movable) and slide along with the pipe. The fitting must be locked in the 4th clamp. Necks with a highly reduced tang can be welded with the help of a special tool (on request), applied to the clamps.

### STANDARD COMPOSITION

- Machine body with a tool kit;
- TP DELTA 800 TE plate;
- Milling cutter;
- Electrohydraulic gearcase;
- Milling cutter/heating plate support.



## TECHNICAL FEATURES

Working range	500 ÷ 800 mm
Power supply	400 V - 3F+N +PE 50/60 Hz
<b>Total absorbed power</b>	<b>16416 W</b>
Working temperature	180 ÷ 280°C
Outside temperature range	-5 ÷ +40°C
Time to reach welding temperature	< 45 min.
Materials	HDPE, PP, PVDF For other materials contact RITMO spa
<b>DIMENSIONS (W x D x H)</b>	
Machine body	2100 x 1350 x 1300 mm
<b>WEIGHT</b>	
Machine body	762,00 Kg
<b>Composition standard</b>	<b>1212,00 Kg</b>



Tool for flange necks

### ON REQUEST (ACCESSORIES)

- Clamps' inserts from Ø 500 to 710 mm;
- Tool for flange necks;
- Special transport wooden case;
- Plate support, and electrohydraulic gearcase);
- Wooden case for inserts;
- Machine body trolley;
- Electrical crane;
- INSPECTOR data-logger.



Machine body trolley (on request)





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WHERE THERE'S PLASTIC TO WELD



CONTACT RITMO!

# **BASIC LINE**

## **BUTT FUSION MACHINES**



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