



# 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 bandsaws. 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 630



This is a self-aligning machine, suitable for welding ducts for the transport of water, gas and other fluids under pressure, up to Ø 630 mm. The DELTA 630 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 electric 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 630** 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 630 TE plate;
- Milling cutter;
- Electrohydraulic gearcase;
- Milling cutter/heating plate support.

**ASK FOR A QUOTATION**



## TECHNICAL FEATURES

Working range	355 ÷ 630 mm
Power supply	400 V - 3F+N +PE- 50/60 Hz
<b>Total absorbed power</b>	<b>11412 W</b>
Working temperature	180 ÷ 280°C
Outside temperature range	-5 ÷ +40°C
Time to reach welding temperature	< 35 min.
Materials	HDPE, PP, PVDF * For other materials contact RITMO spa
<b>DIMENSIONS (W x D x H)</b>	
Machine body	1550 x 1010 x 990 mm
<b>WEIGHT</b>	
Machine body	297,00 Kg
<b>Standard composition</b>	<b>573,00 Kg</b>



Tool for flange necks

### ON REQUEST (ACCESSORIES)

- Clamps inserts from Ø 355 to 560 mm;
- Tool for flange necks;
- Special transport wooden case (DELTA 630 only);
- Special transport wooden case (machine body with trolley);
- Wooden case for inserts;
- Machine body trolley;
- Electrical crane;
- INSPECTOR data-logger.



Machine body trolley (on request)



# **BASIC LINE**

## **BUTT FUSION MACHINES**



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