



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.

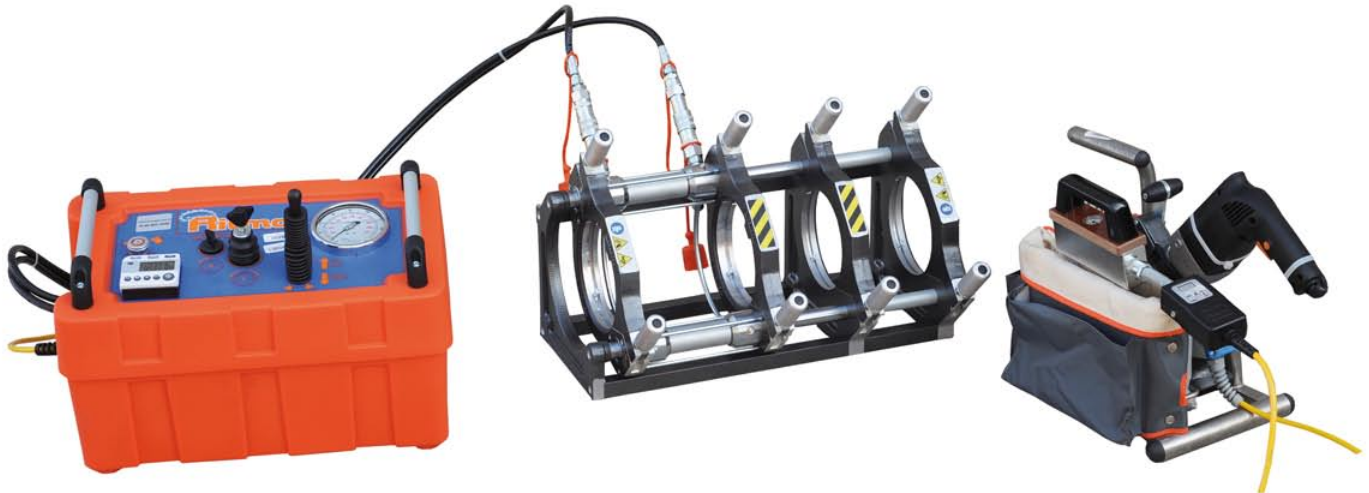


**ISO 9001
Quality System**

...the result of
our joint
efforts



DELTA DRAGON 160



Self-aligning hydraulic butt fusion machine, suitable for welding under-pressure pipes for water, gas and other fluids up to Ø160 mm. Built according to the national and international standards (UNI 10565, ISO 12176-1), **DELTA DRAGON 160** includes:

- **A machine body** built with a supporting frame, four clamps and two hydraulic cylinders with fast non-drip coupling connections.
- **A Teflon-coated (PTFE) heating plate** with a built-in independent thermometer, to check the working temperature, and an high-precision electronic thermoregulator "Digital Dragon" ($\pm 1^{\circ}\text{C}$) which comes in a protective waterproof rubber casing with digital display and regulating buttons. This new system includes Led indicators to check if the machine is working normally (live tension and working temperature), contingent probe's failures and/or temperature anomalies.
- **An extractable electric milling cutter** to face the heads of the pipes and/or fittings. It includes a safety micro-switch and a thermal circuit breaker.
- **An electro-hydraulic gearcase** protected from crashes and atmospheric corrosion by a plastic box. It includes a control lever, to open and close the clamps, maximum pressure and discharge valves (useful also for the "Dual Pressure" welding process), hydraulic connection hoses with non-drip fast couplings and timer (to check the warming and welding time). The machine is preset for the connection of the electronic controller **INSPECTOR**.
- **A milling cutter/ heating plate support** which comes with a high-temperature-proof bag, which also protect the heating element from being scratched.

DELTA DRAGON 160 is able to weld fittings like elbows, tees, Y-branches and flanges necks.
Available in the 110 V and 230 V versions.

STANDARD COMPOSITION:

- Machine body with bag and service keys;
- Heating plate TP DELTA 160 TE;
- Milling cutter;
- Electrohydraulic gearcase;
- Milling cutter/Heating plate support.



TECHNICAL FEATURES

Working range	40 ÷ 160 mm	
Power supply	110 V	230 V
	Single phase - 50/60 Hz	
Total absorbed power	1820 W	1930 W
Working temperature	180 ÷ 280°C	
Ambient temperature	-5 ÷ +40°C	
Time to reach welding temperature	< 20 min.	
Materials	HDPE, PP, PB, PVDF <small>For other materials contact RITMO S.P.A.</small>	

DIMENSIONS (W x D x H)	
Machine body	600 x 400 x 410 mm

WEIGHT	
Machine body	27,00 Kg
Total (Delta Dragon 160 only)	67,60 Kg

ON REQUEST (ACCESSORIES)

- EASY LIFE gearbox;
- Clamps' inserts from Ø 40 to 140 mm (8 pcs/ Ø);
- DELTA 160 special transportation box (only off-the-shelf product);
- Clamps' wooden transportation box;
- INSPECTOR controller/data-logging.



Heater with Digital Dragon



Milling cutter



Electrohydraulic gearbox



Roller



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WHERE THERE'S PLASTIC TO WELD



CONTACT RITMO!

BASIC LINE

BUTT FUSION MACHINES



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