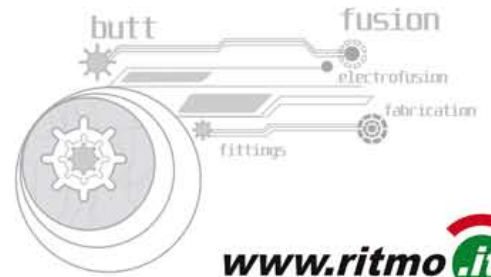




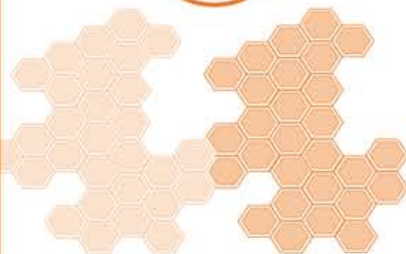
Italian Technology for "The Welding People"



Ritmo
PLASTIC WELDING TECHNOLOGY



www.ritmo.it



HDPE PP
PVDF PB





MADE IN ITALY

DESIGN, CREATE
IN ITALY



RITMO S.P.A. is a world leader with over 35 years of experience in the 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.**

... the result of
our joint
efforts



**ISO 9001
Quality System**



A

D V A N T A G E

RITMO SERVICE

RITMO WORLDWIDE

Ritmo has professional distributors and resellers all over the world. Our staff is ready to assist you in English, Spanish, French, German, Japanese, Arab, Italian and Portuguese.

TRAINING

From many years now, we have decided that the best way to grant a client/distributor a perfect knowledge of our products is to invest in custom training, in our own premises. These courses are aimed to teach how to operate the products in the best way, and how to supply the "first aid" when necessary.

PRESALES TECHNICAL ASSISTANCE

When a client or a potential client wants to buy us a product, it is our standard procedure to help find the best solution to its needs.

GLOBAL ADVICE

In such a technical field as ours, the customer requires the best assistance. Thanks to the experience developed along the years, and to the co-operation with several manufacturers, institutions, schools and training institutes, RITMO is able to give the most comprehensive advice to no matter which related issue.

Our company is a long-time member of a UNIPLAST's (UNI-Italian National Plastics Standards Body) working group dedicated to the study and draw up of new standards within our field. The importance of this group is linked to the fact that the expansion of the plastic welding field ought to be followed by a crescent sensitivity for safety issues, so to have a sustainable and continuous growth. The working group prepares draws, hence present them to the UNI to be discussed and eventually transformed into new standards.

AFTER SALES TECHNICAL ASSISTANCE

Ritmo's Service Centre can solve all kind of technical issues, as well as overhaul our machines. Ritmo has other Service Centres abroad, linked to its official distributors.

STARTING AND TESTING

RITMO' technicians are prepared to make the starting and testing of workshop machines at the client' own premises, so that the fittings production can start almost immediately.

DELTA DRAGON CNC



Butt fusion welding can be managed automatically by using the **Delta Dragon CNC** system; this would eliminate any risk of error due to the operator. It is available in two versions: **SA**, Semi-Automatic and **FA**, Fully Automatic.

The CNC system is available for the Delta Dragon 250 B and 315 B models. The gearcase is equipped with a compact and innovative plastic casing, which can resist to the most extreme job site working conditions; particular attention was paid to the connections as well, by applying military type plugs. An easy to use software and control panel allow to view the most widely used welding standards (ISO, GIS, DVS and other). By selecting any one of the standard and pipe diameter/SDR, all the welding parameters (pressure, time, temperature) would be automatically calculated according to the standard itself. If the chosen welding cycle is not included in the standards listed above, it is possible to manually input the welding parameters (diameter, SDR, type of material, welding time and pressure...) by simply entering the "out of standard" mode. In both cases, the machine is able to automatically manage all the phases of the welding cycle, including milling and heating control. At the end of the welding cycle, all data are stored in the in-built memory, up to 4000 records. Serial ports enable the operator to connect the gearcase to a portable serial printer (to obtain an immediate report) or to a PC. The gearcase is equipped with a **USB** port for welding report in PDF and to firmware upgrade.

The complete configuration includes:

- a linear transducer applied to the machine body;
- a manually extractable heating element (SA) or an automatically extractable heating element (FA);
- hydraulic hoses with non-drip quick couplings for connecting the gearcase to the machine body;
- a milling cutter;
- a transducer cable for connecting the gearcase to the machine body;
- a milling cutter/heating plate support;

ITALY





TECHNICAL FEATURES

DELTA DRAGON CNC 250 B

DELTA DRAGON CNC 315 B

Working range	75 - 250 mm	90 - 315 mm
Materials	HDPE - PP - PB - PVDF	HDPE - PP - PB - PVDF
Dimensions (machine body)	1000 x 820 x 1000 mm	1150 x 970 x 1170 mm
Dimensions (gearcase)	580 x 461 x 490 mm	580 x 461 x 490 mm
Weight (machine body)	90 Kg	125 Kg
Weight (gearcase)	39 kg	39 kg
Power supply	110 Vac - 50/60 Hz or 230 Vac - 50/60 Hz	110 Vac - 50/60 Hz or 230 Vac - 50/60 Hz
Nominal absorbed power	4000 W (110 V) - 4150 W (230 V)	4500 W (110 V) - 5150 W (230 V)
Pressure's working range	0 - 150 bar	0 - 150 bar
Welding cycle	Semi - Automatic and Fully - Automatic	Semi - Automatic and Fully - Automatic
Memory capacity	4000 welding cycles	4000 welding cycles
Protection degree	IP 54	IP 54



INTERNAL DEBEADER



Internal Debeader by RITMO S.p.A. covering a range from \varnothing 90 up to 500 mm! A complete kit set is composed by:

- 6 pcs of alloy rods 2,15 mtr each (one is acting as turn handle)
- 5 pcs of center rings to ensure that the rods are in center of the pipe.
- Alloy rods are delivered in a special carrying bag with a handle
- Internal Debeader Head 90 - 110 mm
- Internal Debeader Head 125 - 160 mm
- Internal Debeader Head 160 - 200 mm
- Internal Debeader Head 225 - 315 mm
- Internal Debeader Head 355 - 500 mm

Internal Debeader Head can be ordered separately too.

ADVANTAGES:

Intuitive and easy to use, accurate, versatile, composed of few parts.

TECHNICAL FEATURES

Model	SDR range
\varnothing 90 mm	17 + 26
\varnothing 110 + 450 mm	11 + 26
\varnothing 500 mm	17 + 26



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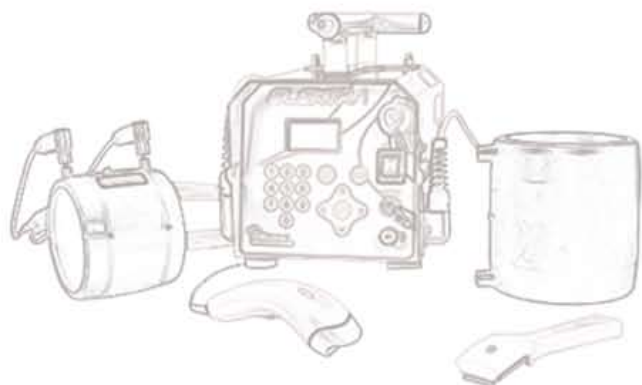
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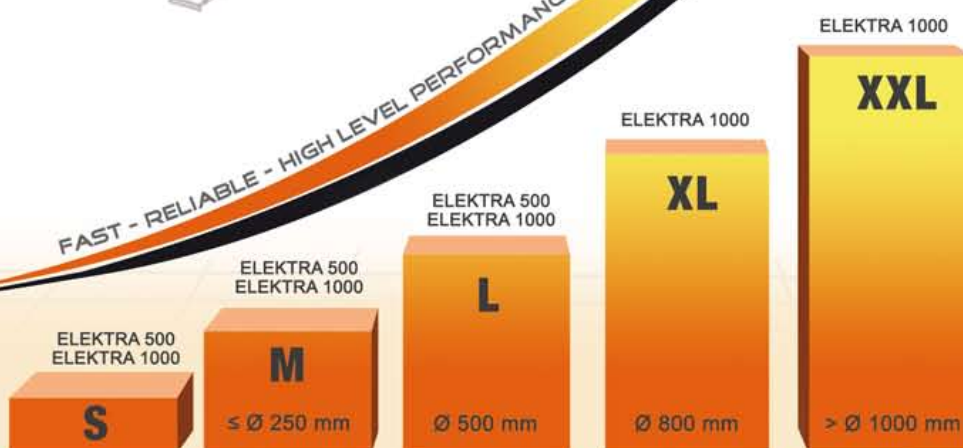
www.youtube.com/user/RitmoPlasticWelding

ELEKTRA 1000

**ELECTROFUSION:
Evolution
of the species!**



FAST - RELIABLE - HIGH LEVEL PERFORMANCE



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the Corporate Video