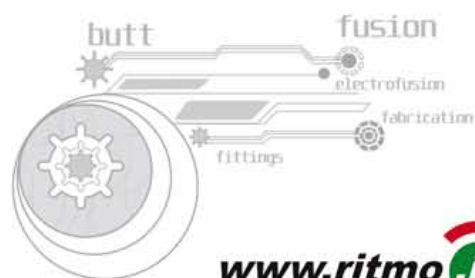




Italian Technology for "The Welding People"



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.

ELECTROFUSION BY RITMO:

INTUITIVE
CONTROL
PANEL

BARCODE
READY
SYSTEM

EASY
TO USE

UNIVERSAL
ADAPTER
Ø 4,0 - 4,7 mm

USB
PORT

GRAPHIC
DISPLAY
MULTILINGUAL

LARGE
MEMORY

ELECTROFUSION MACHINES



WORKING RANGE Ø mm

MODEL	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	800	1000	> 1000
HIGH PRESSURE																												
ELEKTRA LIGHT	•	•	•	•	•	•	•		•	•	•	•																
ELEKTRA 315	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•									
MULTIPLA	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•									
XTR 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•							
ELEKTRA 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
XTR 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ELEKTRA 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
LOW PRESSURE																												
MUSTANG 160 V1			•	•	•	•	•	•	•	•	•	•																
MULTIPLA	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•									
UNIVERSAL 315 V1			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•									
	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	800	1000	> 1000

ELEKTRA 500 ELEKTRA 1000



ELEKTRA is an high performance universal electrofusion machine, suitable for welding HDPE, PP, PP-R couplings (from 8 to 48 V). It is available in two versions: **ELEKTRA500**, **ELEKTRA 1000**, and is composed of:

- **machine body** surrounded by a tubular steel frame, thus creating a protective structure that gives to the welding design and functionality while also serving as transport handle and cable winding
- **large graphic display** that stands out for the size and resolution of the icons, making them easy to read in the setting and welding stages
- **intuitive control panel** that simplifies and speeds up the setting of the welder
- **universal connectors**; no need of adapters
- **GPS** (on request) useful in jobsites where traceability is necessary
- a **laser scanner** - barcode reading system that allows the automatic setting of the welding parameters. There are nonetheless two manual settings available: by setting the welding tension/time parameters, and by introducing the numerical code indicated under the bar code, in order to recognize automatically the welding parameters
- internal **memory of 4000 welds**; the name of the operator among with the traditional welding data can be generated in **PDF format**. These reports can be downloaded to a PC through a USB port
- the **USB port** allows updating the welder firmware, the reports download or a printer ESC-POS connection

STANDARD COMPOSITION

- Universal adapter Ø 4,0 - 4,7 mm
- Laser scanner
- Manual scraper
- Transport case

ON REQUEST (ACCESSORIES)

- GPS
- Printer ESC-POS

TECHNICAL FEATURES

	ELEKTRA 500		ELEKTRA 1000
Working range	20 ÷ 500 mm		20 ÷ 1600* mm
Welding output voltage	8 ÷ 48 v		
Single phase power supply	110 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz
Max. absorbed power	5500 W	6400 W	6400 W
Max. output current	100 A	120 A	120 A
60% Duty Cycle output	70 A		90 A
Operating mode	Barcode/Manual (numerical code or tension/time)		
Connections	USB for external memory and printer ESC-POS		
Memory capacity	4000 reports		
Protection degree	IP 54		
T° reading probeprecision	± 1° C		
Outside T° range	- 10 ÷ 40° C		
Welding hose length	3 mt		
Display	255 x 270 x 385 mm		
Dimensions	410 x 290 x 485 mm		
Weight	18 Kg		20 kg

* Contact manufacturer for further information on electrofusion fittings above Ø 1200 mm



USB port



Universal adapter



Graphic display



Laser Scanner

www.ritmo.it

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and SERVICES**

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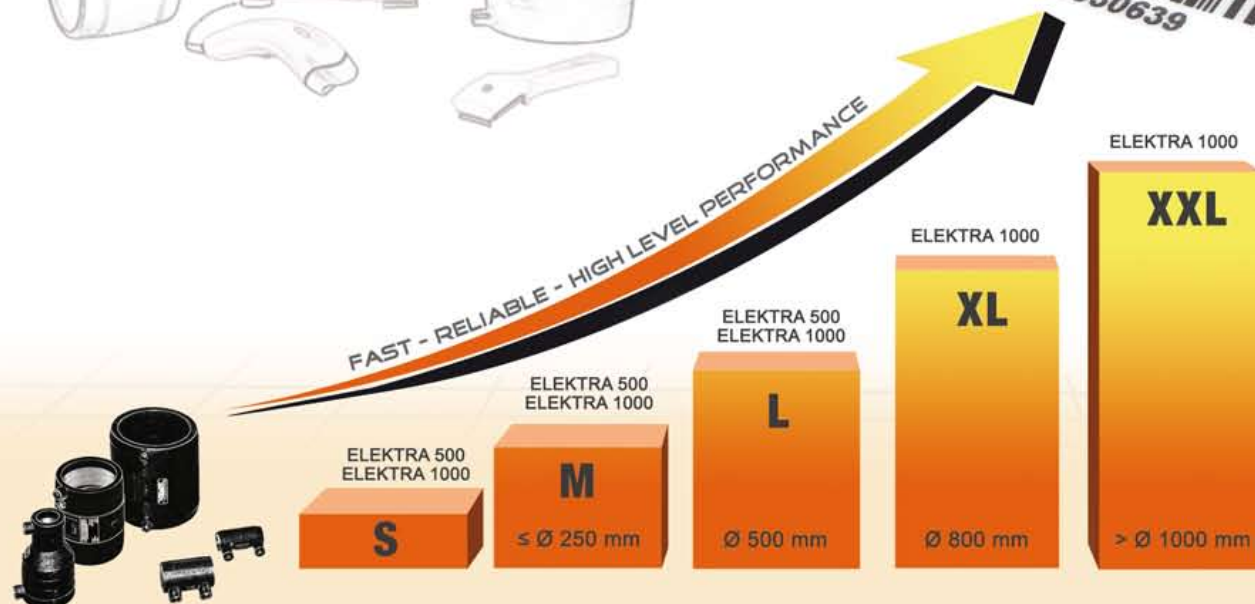
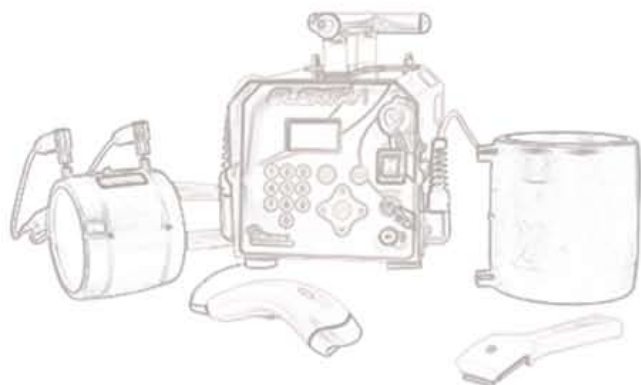
Follow RITMO on

You Tube

www.youtube.com/user/RitmoPlasticWelding

ELEKTRA 1000

**ELECTROFUSION:
Evolution
of the species!**



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Watch
the Corporate Video