

# RITMO AMERICA



"AT EASE IN YOUR JOBSITE"

[www.ritmoamerica.com](http://www.ritmoamerica.com)





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.**

**MADE IN ITALY**

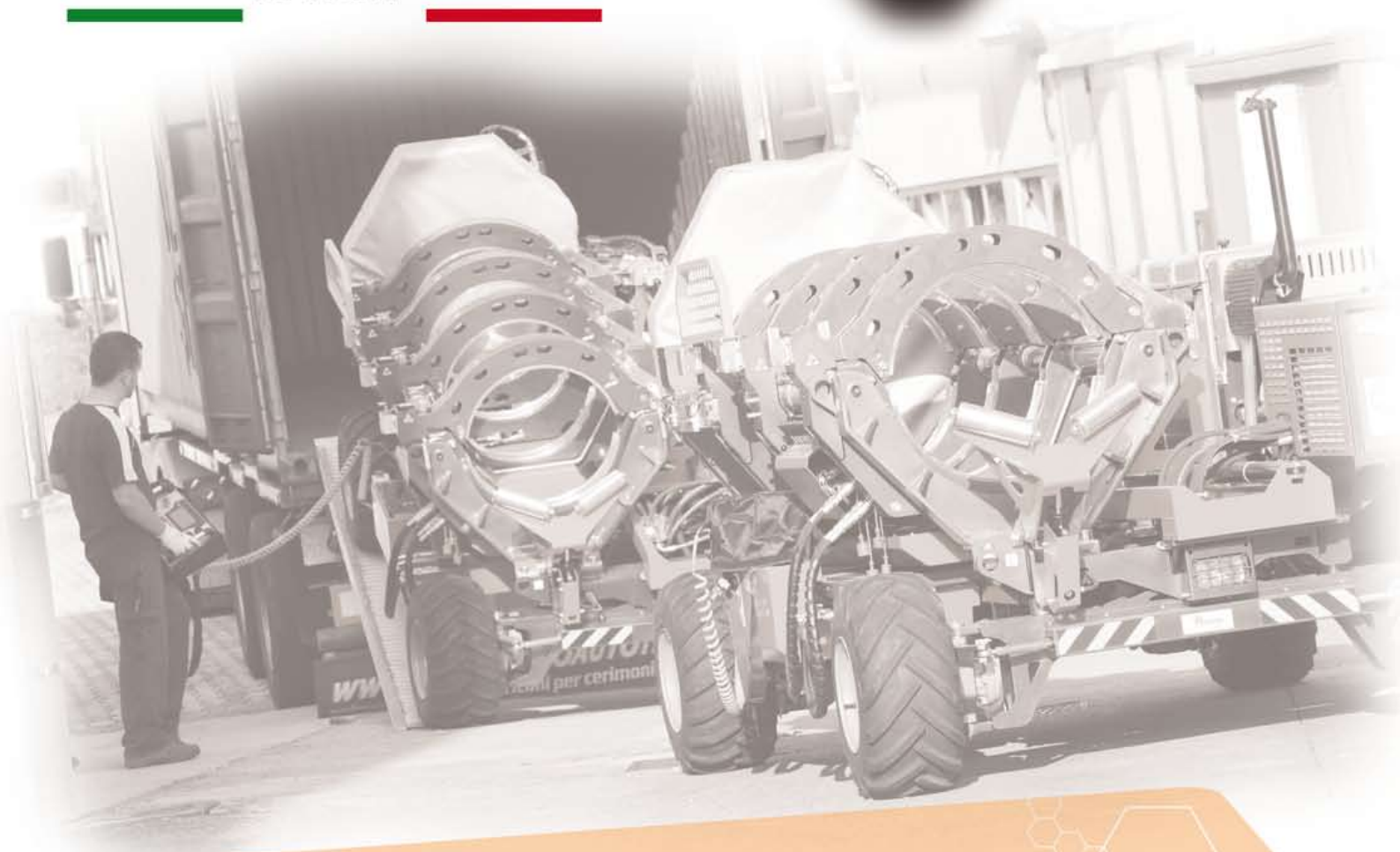
DESIGNED & MANUFACTURED  
IN ITALY



watch the video



**ISO 9001**  
Quality System





Ritmo America LLC - FL

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Rossella Contiero - Managing Director



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# 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, Arab, Italian, Russian 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.*



# ELEKTRA 500 ELEKTRA 1000



watch the video

**ELEKTRA** is an high performance universal electrofusion machine, suitable for fusion HDPE, PP, PP-R couplings (from 8 to 48 V). It is available in two versions: **ELEKTRA 500**, **ELEKTRA 1000**, and is composed of:

- **machine body** surrounded by a tubular steel frame, thus creating a protective structure that gives to the fusion 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 fusion tension/time parameters, and by introducing the numerical code indicated under the bar code, in order to recognize automatically the fusion 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 (ELEKTRA 1000)
- Printer ESC-POS



Laser Scanner

## TECHNICAL FEATURES

	ELEKTRA 500		ELEKTRA 1000
Working range	up to 18" IPS (20 ÷ 500 mm)		up to 63" IPS (20 ÷ 1600* mm)
Welding output voltage	8 ÷ 48 v		
Single phase power supply	120 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz
Max. absorbed power <sup>(A)</sup>	3100 W	3500 W	3500 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	± 33° F		
Outside T° range	14° ÷ 122° F		
Welding hose length	10 ft		
Dimensions	10" x 10,6" x 15" mm		
Dimensions transport case	16" x 11,4" x 19" mm		
Weight	39,5 lb	44 lb	

\* Contact manufacturer for further information on electrofusion fittings above Ø 48" IPS (1200 mm)

<sup>(A)</sup> 60% Duty Cycle output



USB port



Graphic display



Universal adapter

# 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

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