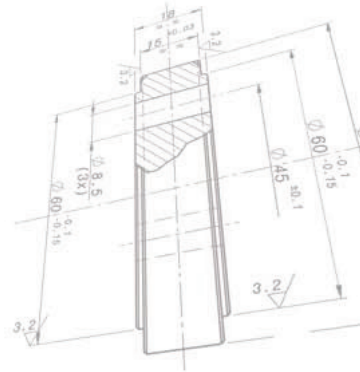
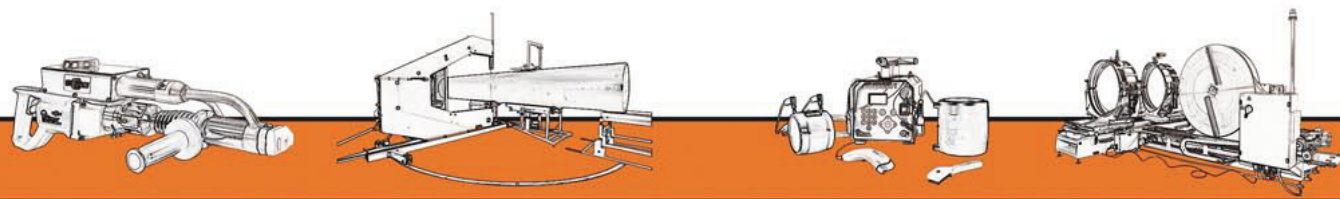
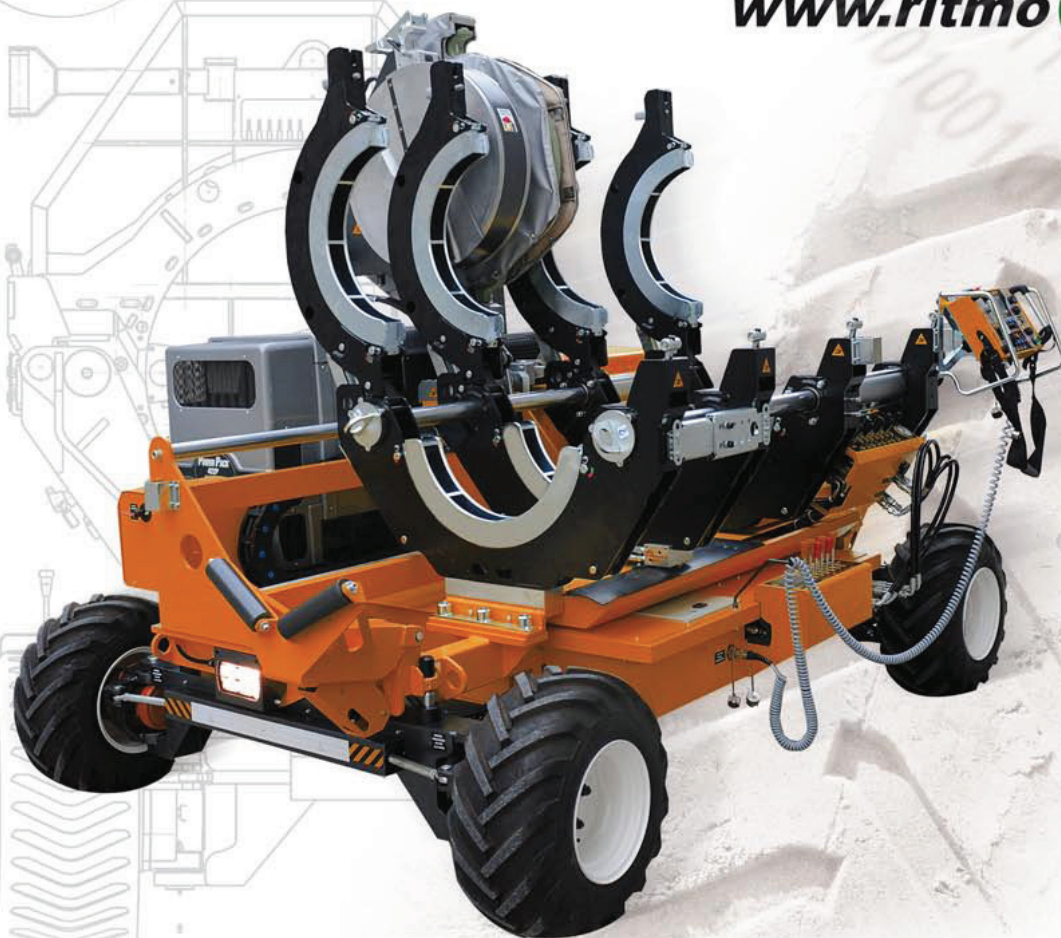




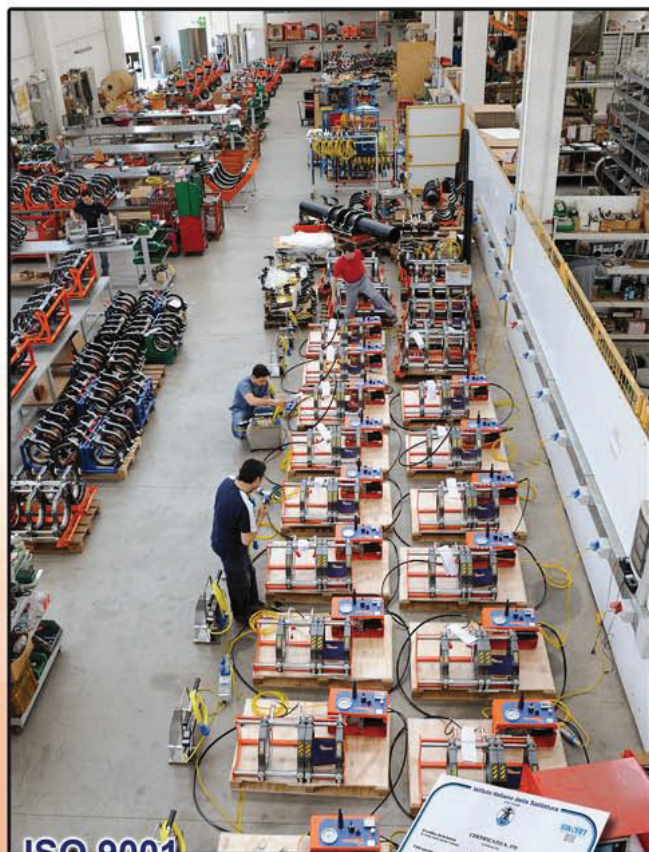
Products Catalogue

www.ritmo.it





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





BASIC LINE

RITMO S.P.A. presents **BASIC**, the new Line of butt welding machines for pipes and joints in HDPE, PP, PB, PVDF with diameters ranging from 40 to 355 mm. BASIC was designed by thirty years of experience in manufacturing, producing reliable and versatile welding machines, adapt for all environments, even the harshest such as deserts and mines.

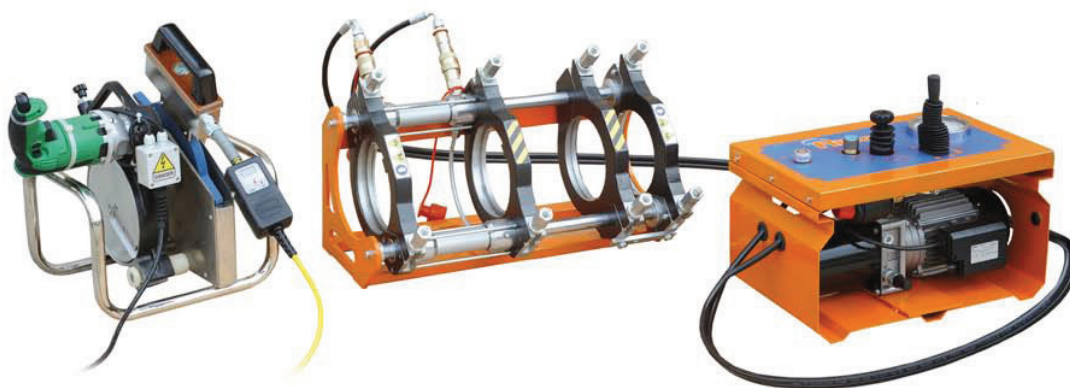
The New BASIC Line is distinguished by the excellent quality – price ratio, while maintaining reliability, precision and ease of use, along with RITMO's standards.

With the New BASIC Line, RITMO makes its machines and work philosophy available to everyone!

ASK FOR A QUOTATION



BASIC 160 - BASIC 200



BASIC 160/200 is able to weld fittings such as elbows, tees, Y-branches and flange necks without any additional equipment by simply fixing the clamps' drag bar.

BASIC 160/200 includes:

- **A machine body** with 4 clamps and 2 hydraulic cylinders with fast non-drip couplings.
- **An extractable heating plate** with DIGITAL DRAGON, high - precision electronic thermo-regulator.
- **An extractable milling cutter**, with safety micro-switch.
- **An electro-hydraulic gearcase**, with a clamp opening and closing lever.
- **A hydraulic hoses** with non – drip quick couplings.

STANDARD COMPOSITION

- BASIC 160 adapters, from Ø 40 to 140 mm.
- BASIC 200 adapters, from Ø 63 to 180 mm.

ON REQUEST (ACCESSORIES)

- Tool for flange necks (only BASIC 200);
- Trolley;
- EASY LIFE gearbox.

BASIC 160

Materials	HDPE - PB - PP - PVDF	
Working range	40 ÷ 160 mm	
Power supply	110 V	230 V
Single phase	50/60 Hz	
Total absorbed power	1850 W	1900 W
Working temperature	180 ÷ 280°C	
Pressure working range	0 ÷ 150 bar	
Weight only body machines	30 Kg	

BASIC 200

Materials	HDPE - PB - PP - PVDF	
Working range	63 ÷ 200 mm	
Power supply	230 VAC	
Single phase	50/60 Hz	
Total absorbed power	3000 W	
Working temperature	180 ÷ 280°C	
Pressure working range	0 ÷ 150 bar	
Weight only body machines	35 Kg	





BASIC 250



BASIC 250 is able to weld fittings such as elbows, tees, Y-branches and flange necks without any additional equipment by simply fixing the clamps' drag bar.

BASIC 250 includes:

- **A machine body** with 4 clamps and 2 hydraulic cylinders with fast non-drip couplings;
- **An extractable heating plate** with DIGITAL DRAGON, high - precision electronic thermo-regulator;
- **An extractable milling cutter**, with safety micro-switch;
- **An electro-hydraulic gearcase**, with a clamp opening and closing lever;
- **A hydraulic hoses** with non – drip quick couplings.

STANDARD COMPOSITION

- Adapters, from Ø 75 to 225 mm.

ON REQUEST (ACCESSORIES)

- Tool for flange necks;
- Trolley;
- EASY LIFE gearbox

Materials	HDPE - PB - PP - PVDF
Working range	75 ÷ 250 mm
Power supply	230 VAC
Single phase	50/60 Hz
Total absorbed power	3500 W
Working temperature	180 ÷ 280°C
Pressure working range	0 ÷ 150 bar
Weight only body machines	54 Kg



BASIC 315



BASIC 315 is able to weld fittings such as elbows, tees, Y-branches and flange necks without any additional equipment by simply fixing the clamps' drag bar.

BASIC 315 includes:

- **A machine body** with 4 clamps and 2 hydraulic cylinders with fast non-drip couplings.
- **An extractable heating plate** with DIGITAL DRAGON, high - precision electronic thermo-regulator.
- **An electro-hydraulic gearcase**, with a clamp opening and closing lever.
- **A hydraulic hoses** with non – drip quick couplings.

STANDARD COMPOSITION

- Inserts from Ø 90 to 280 mm;
- Master adapters Ø 250 mm.

ON REQUEST (ACCESSORIES)

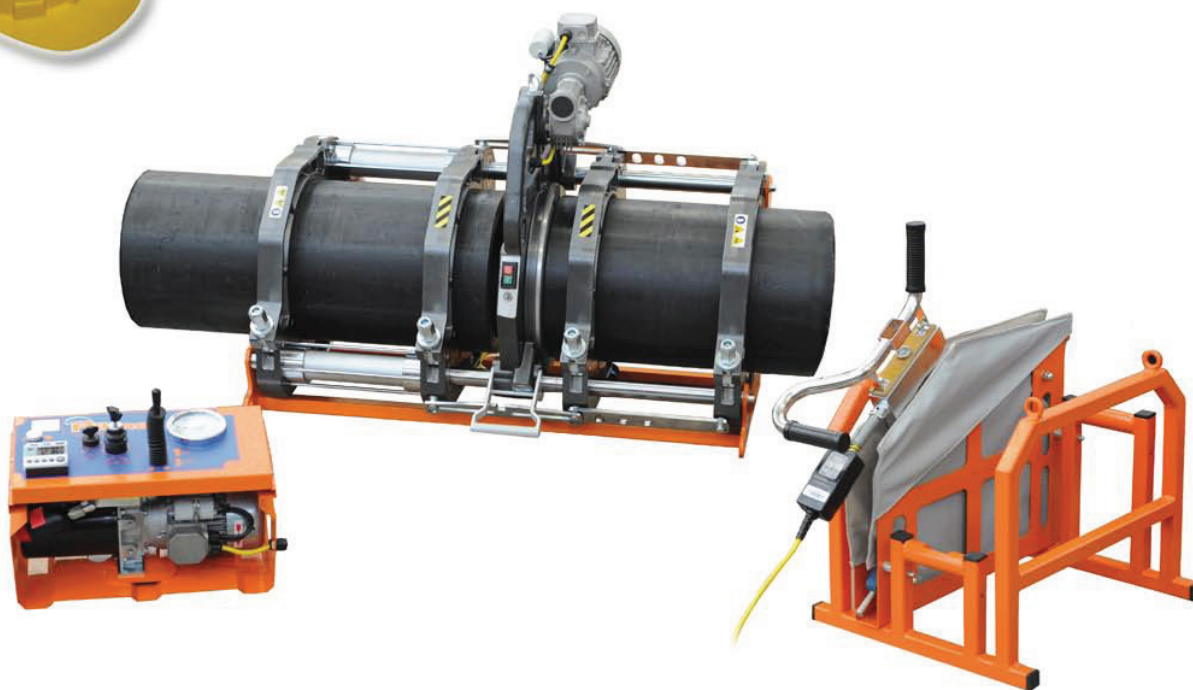
- Tool for flange necks;
- Trolley;
- EASY LIFE gearbox.

Materials	HDPE - PB - PP - PVDF
Working range	90 ÷ 315 mm
Power supply	230 VAC
Single phase	50/60 Hz
Total absorbed power	4500 W
Working temperature	180 ÷ 280°C
Pressure working range	0 ÷ 150 bar
Weight only body machines	86 Kg





BASIC 355



BASIC 355 is able to weld fittings such as elbows, tees, Y-branches and flange necks without any additional equipment by simply fixing the clamps' drag bar.

BASIC 355 includes:

- **A machine body** with 4 clamps and 2 hydraulic cylinders with fast non-drip couplings.
- **An extractable heating plate** with DIGITAL DRAGON, high - precision electronic thermo-regulator.
- **An extractable milling cutter**, with safety micro-switch.
- **An electro-hydraulic gearcase**, with a clamp opening and closing lever.
- **A hydraulic hoses** with non – drip quick couplings.

STANDARD COMPOSITION

- Inserts from Ø 125 to 315 mm;
- Master adapters Ø 250 mm

ON REQUEST (ACCESSORIES)

- Tool for flange necks;
- Trolley;
- EASY LIFE gearbox.

Materials	HDPE - PB - PP - PVDF
Working range	125 ÷ 355 mm
Power supply	230 VAC
Single phase	50/60 Hz
Total absorbed power	5800 W
Working temperature	180 ÷ 280°C
Pressure working range	0 ÷ 150 bar
Weight only body machines	150 Kg





DELTA 1200

DELTA 1600 NEW WELDING MACHINE *



DELTA 1200

This is a self-aligning welding machine, suitable for welding HDPE pipes and ducts for the transport of water and other fluids under pressure, up to Ø 1200/1600 mm. The **DELTA 1200** was designed in accordance to the Italian and international correspondent standards (UNI 10565, ISO 12176-1), and consists of:

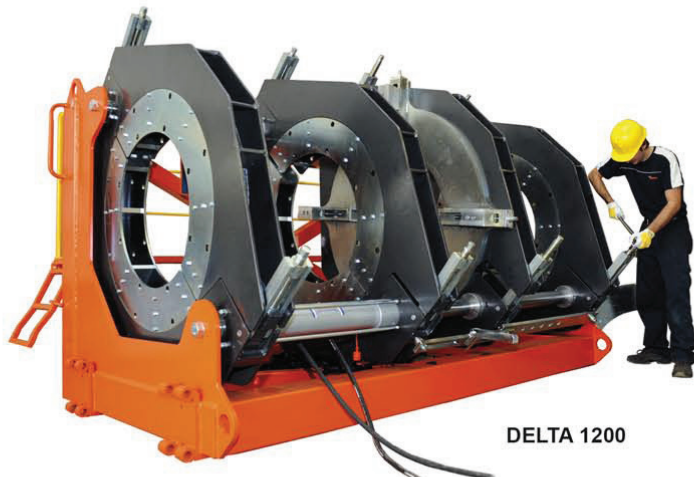
- **Machine body** with a bearing frame, four clamps and two hydraulic thrust cylinders with non-drip quick couplings.
- **Extractable heating plate** with separate thermometer for reading the working temperature.
- **Extractable electrically controlled milling cutter** for levelling the ends of the pipe and/or fitting, with a safety microswitch, overload cutout, and emergency push button.
- **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) and an electrical panel with a differential circuit breaker.
- **Milling cutter/heating plate support** with an electrical panel with power outlets for the heating plate, milling cutter and electrohydraulic gearcase, an electronic thermoregulator for the control of the working temperature, a turn on/off push button for the milling cutter, and differential circuit breakers.

The **DELTA 1200** can weld fittings such as elbows, 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 1200 TE plate;
- Milling cutter;
- Electrohydraulic gearcase;
- Milling cutter/heating plate support.

ASK FOR A QUOTATION



DELTA 1200

DELTA 1200

Working range	710 ÷ 1200 mm
Power supply	400 V - 3F+N +PE 50/60 Hz
Total absorbed power	28196 W
Power absorbed by the electrical crane	750 W
Working temperature	180 ÷ 280°C
Outside temperature range	-5 ÷ +40°C
Time to reach welding temperature	< 45 min.
Materials	HDPE, PP, PVDF For other materials contact RITMO spa

DIMENSIONS (W x D x H)	
Machine body	4500 x 2130 x 2330 mm

WEIGHT	
Machine body	3800,00 Kg
Standard composition	5320,00 Kg



Tool for flange necks

DELTA 1600

Working range	800 ÷ 1600 mm
Power supply	400 V - 3F+N +PE 50/60 Hz
Total absorbed power	45000 W
Working temperature	180 ÷ 280°C
Outside temperature range	-5 ÷ +40°C
Materials	HDPE, PP, PVDF For other materials contact RITMO spa

DIMENSIONS (W x D x H)	
Machine body	3550 x 2400 x 2550 mm

WEIGHT	
Machine body	4070 Kg
Standard composition	5420 Kg



Machine body trolley and Electrical crane (on request)

ON REQUEST (ACCESSORIES)

- Tool for flange necks;
- Machine body trolley;
- Electrical crane;
- INSPECTOR data-logger.

*** for details contact RITMO S.P.A.**

