

# PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

[www.ritmo.it](http://www.ritmo.it)





# **Ritmo meets all your welding needs in your jobsite**



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# ADVANTAGE RITMO



## **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.

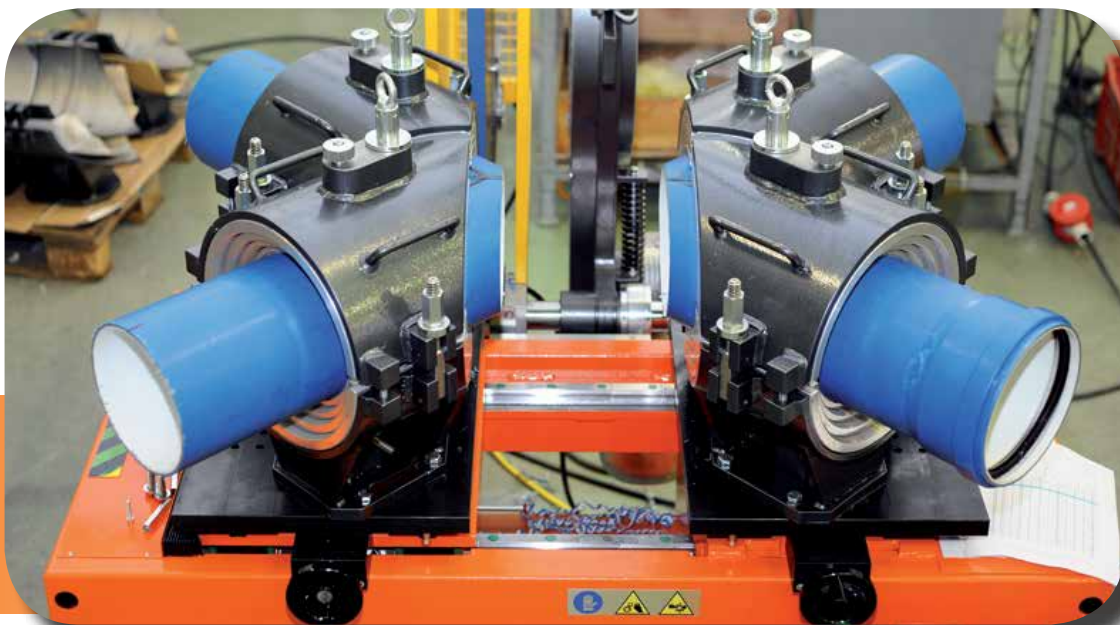
## **STARTING AND TESTING**

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.

# FITTINGS FABRICATION MACHINES



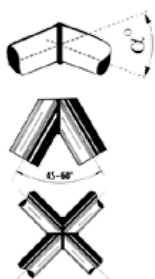
WORKING RANGE Ø mm	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	800	900	1000	1200	1400	1600
ALFA 200 CTB																													
ELBOWS				63	75	90	110	125	140	160	180	200																	
Y - T - X				63	75	90	110	125	140	160																			
ALFA 400 MANUAL																													
ELBOWS						90	110	125	140	160	180	200	225	250	280	315	355	400											
Y - T - X						90	110	125	140	160	180	200	225	250	280	315													
ALFA 400 EASY LIFE																													
ELBOWS						90	110	125	140	160	180	200	225	250	280	315	355	400											
Y - T - X						90	110	125	140	160	180	200	225	250	280	315													
ALFA 400 CTB																													
ELBOWS							110	125	140	160	180	200	225	250	280	315	355	400											
Y - T - X							110	125	140	160	180	200	225	250	280	315	355												
ALFA 630 T																													
ELBOWS													225	250	280	315	355	400	450	500	560	630							
Y - T - X													225	250	280	315	355	400	450	500	560	630							
ALFA 1000																													
ELBOWS																	355	400	450	500	560	630	710	800	900	1000			
Y - T - X																	355	400	450	500	560	630	710	800					
ALFA 1200																													
ELBOWS																						630	710	800	900	1000	1200		
Y - T - X																						630	710	800	900	1000			
ALFA 1600																													
ELBOWS																							710	800	900	1000	1200	1400	1600
Y - T - X																							710	800	900	1000	1200		
WORKING RANGE Ø mm	32	40	50	63	75	90	110	125	140	160	180	200	225	250	280	315	355	400	450	500	560	630	710	800	900	1000	1200	1400	1600



WORKING RANGE Ø IPS	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	42"	48"	54"	63"
ALFA 200 CTB																								
ELBOWS	2"	3"	4"	5"	6"																			
Y - T - X	2"	3"	4"	5"																				
ALFA 400 MANUAL																								
ELBOWS			4"	5"	6"	8"	10"	12"	14"	16"														
Y - T - X			4"	5"	6"	8"	10"	12"																
ALFA 400 EASY LIFE																								
ELBOWS			4"	5"	6"	8"	10"	12"	14"	16"														
Y - T - X			4"	5"	6"	8"	10"	12"																
ALFA 400 CTB																								
ELBOWS			4"	5"	6"	8"	10"	12"	14"	16"														
Y - T - X			4"	5"	6"	8"	10"	12"																
ALFA 630 T																								
ELBOWS						8"	10"	12"	14"	16"	18"	20"	22"	24"										
Y - T - X						8"	10"	12"	14"	16"	18"	20"	22"	24"										
ALFA 48"																								
ELBOWS														24"	26"	28"	30"	32"	34"	36"	42"	48"		
Y - T - X														24"	26"	28"	30"	32"	34"	36"				
ALFA 63"																								
ELBOWS															26"	28"	30"	32"	34"	36"	42"	48"	54"	63"
Y - T - X															26"	28"	30"	32"	34"	36"	42"	48"		
WORKING RANGE Ø IPS	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	42"	48"	54"	63"

WORKING RANGE Ø DIPS	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"
ALFA 200 CTB														
ELBOWS		3"	4"	5"	6"									
Y - T - X		3"	4"											
ALFA 400 MANUAL														
ELBOWS			4"	5"	6"	8"	10"	12"	14"					
Y - T - X			4"	5"	6"	8"	10"							
ALFA 400 EASY LIFE														
ELBOWS			4"	5"	6"	8"	10"	12"	14"					
Y - T - X			4"	5"	6"	8"	10"							
ALFA 400 CTB														
ELBOWS			4"	5"	6"	8"	10"	12"	14"					
Y - T - X			4"	5"	6"	8"	10"	12"						
ALFA 630 T														
ELBOWS						8"	10"	12"	14"	16"	18"	20"	22"	24"
Y - T - X						8"	10"	12"	14"	16"	18"	20"	22"	24"
WORKING RANGE Ø DIPS	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"





**Elbows** 40 ÷ 200 mm  
2" ÷ 6" IPS; 3" ÷ 6" DIPS  
0° ÷ 45°

**Wyes** 63 ÷ 160 mm  
2" ÷ 6" IPS; 3" ÷ 4" DIPS  
45° ÷ 60°

**Tees/Crosses**  
63 ÷ 160 mm  
2" ÷ 6" IPS; 3" ÷ 4" DIPS



## ALFA 200 CTB

This is a workshop welding machine designed to fabricate fittings like elbows (up to Ø 200 mm; 6" DIPS), tees, crosses and wyes (Y) (up to Ø 160 mm; 6" IPS) by joining pipe segments, with the help of special jaws. The ALFA 200 CTB can also weld special and moulded fittings such as elbows, tees and flange necks, thanks to a different type of special jaws. Composed of:

- A machine body with two carriages, one of which driven by a hydraulic system, and two lateral supports with inserts.
- A control panel that features the Easy Life system, thanks to which it is possible to carry out a whole welding cycle in a simple, intuitive and repeatable way, so that the operator's interference would be reduced to the minimum. An built-in memory allows the machine to store 4000 welding cycles (including the set diameters and SDR); possibility to pre-set 50 customized. It is possible to transfer the PDF report via USB slot.
- Heating plate with lifting sliding arm.
- An electrically controlled milling cutter for levelling the ends of the pipes and/or fittings with built-in overload cutout and safety microswitch.
- An upper cylinder, to be positioned on the jaws, for welding extra thick pipes and/or whenever it's necessary to use high pressures.

### ON REQUEST

- **Elbows clamps Ø 200 mm**  
with lateral support  
inserts Ø 40 ÷ 180 mm  
Ø 2" ÷ 6" IPS  
Ø 3" ÷ 6" DIPS
- **Tees/crosses clamps Ø 160 mm**  
inserts Ø 63 ÷ 140 mm
- **Tees/crosses clamps Ø 6" IPS**  
inserts Ø 2" ÷ 5" IPS  
Ø 3" ÷ 4" DISP
- **Wyes clamps Ø 160 mm**  
inserts Ø 63 ÷ 140 mm
- **Wyes clamps Ø 6" IPS**  
inserts Ø 2" ÷ 5" IPS  
Ø 3" ÷ 4" DISP
- Right or left special clamps Ø 200  
inserts Ø 40 ÷ 180 mm


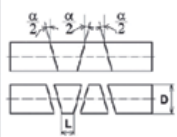
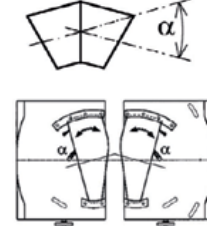

### TECHNICAL FEATURES

Materials	HDPE, PP For other materials contact RITMO S.P.A.
Power supply	230 V Single Phase 50/60 Hz
Total absorbed power	3500 W
Working temperature	165° ÷ 280° C (329° ÷ 536° F)
Outside temperature range	-5° ÷ 40° C (23° ÷ 104° F)
Weight standard composition	250 Kg (550 lb)
Dimensions	1200 x 1300 x 1530 mm 47.2" x 51.2" x 60.2"


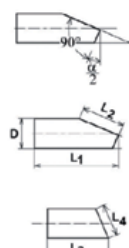
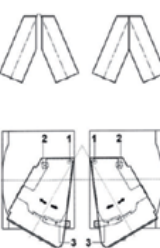
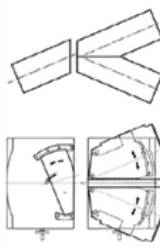

- Tool for flange necks
- THE INSPECTOR Data-logging and cables

## HOW TO FABRICATE A SPECIAL FITTING



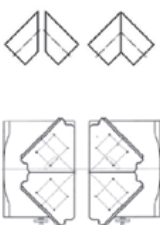


### ELBOWS

	Cut	Welding	
			



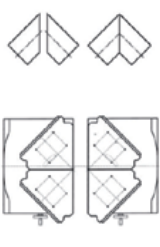


### WYES (Y)

	Cut	Welding 1 <sup>st</sup> stage	Welding 2 <sup>nd</sup> stage	
				

### TEES

	Cut	Welding 1 <sup>st</sup> stage	Welding 2 <sup>nd</sup> stage	
				

### CROSSES

	Cut	Welding 1 <sup>st</sup> stage	Welding 2 <sup>nd</sup> stage	
				









**RITMO S.p.A.**  
Via A. Volta, 35/37 - 35037  
Bresseo di Teolo (PADOVA) ITALY

Ph. +39 049 9901888  
Fax +39 049 9901993

[info@ritmo.it](mailto:info@ritmo.it)  
[www.ritmo.it](http://www.ritmo.it)

