

PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

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DELTA 250 TRAILER MANUAL

Self-aligning hydraulic butt fusion machine, suitable for welding underpressure pipes for water, gas and other fluids up to \varnothing 250 mm (8" DIPS). Welds according to the International standards ISO 21307 HIGH PRESSURE and ASTM F2620. DELTA 250 TRAILER includes:

- A trailer-mounted machine body, easily removable from the trolley in order to perform also into the ditch, adapting to the conditions of the job site. It comes with the fast-locking adapters system SMARTLock RITMO Patented, thanks to which is possible to change adapters in few seconds.
- An on-board electric milling cutter that is equipped with a safety microswitch to prevent from accidental starts, a thermal circuit breaker to protect the engine and also features an ergonomic docking system and on/off switches. To allow the weld in ditches, the milling cutter is easily removable from the trolley/machine body in order to reduce the overall dimensions of the machine and ease the load/unload process.
- An extractable heating plate Teflon-coated (PTFE) equipped with an independent thermometer to check the working temperature.
- A heating plate support which comes with a high-temperature-proof bag, which also avoid the heating element from being scratched.

DELTA 250 TRAILER is able to weld fittings like elbows, tees, Y-branches and flanges necks.
Available in the 110 V and 230 V versions.

STANDARD COMPOSITION



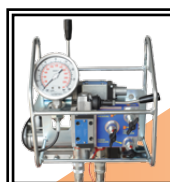
Detachable machine body



Detach device for heater



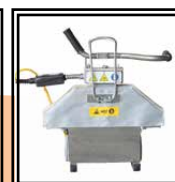
Trolley



Manual panel



Milling cutter



Heating plate and support

PLUS

75 ÷ 250 mm
water - gas - oil

SMARTLOCK
fast-locking adapters
system Ritmo
patented

Working range	75 ÷ 250 mm; 2" IPS ÷ 8" DIPS
Materials	HDPE, PP, PB, PVDF For other materials contact RITMO S.P.A.
Power supply*	110 V Single Phase 50/60 Hz 230 V Single Phase 50/60 Hz
Total absorbed power	4600 W (110 V) 4600 W (230 V)
Working temperature	180° ÷ 260° C (356° ÷ 500° F)
Outside temperature range	-10° ÷ 40° C (14° ÷ 104° F)
Time to reach welding temperature	< 20'
Dimensions machine body (W x D x H)	1100 x 1340 x 1300 mm 43.3" x 52.7" x 51,1"
Weight machine body	105 Kg (232 lb)
Weight standard composition	227 Kg (500 lb)
* Suggested power generator	5,5 ÷ 6kVA

ON REQUEST



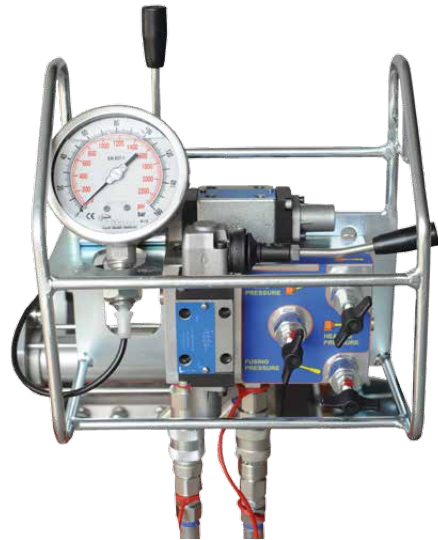
Inserts
Ø 75 ÷ 225 mm
Ø 2" ÷ 8" IPS
Ø 3" ÷ 8" DIPS



Tool for flange
necks



HS rollers 250



ALL TERRAIN LINE - TRAILER LINE

HIGH LEVEL PERFORMANCE



DIFFERENCES BETWEEN ALL TERRAIN LINE AND TRAILER LINE

PLUS

**HIGH
PERFORMANCE**

**ENHANCES
PRODUCTIVITY**

	ALL TERRAIN LINE	TRAILER LINE
Working standards mm	√	√
Working standards "IPS /"DIPS	√	√
International standards ISO 21307 HIGH PRESSURE	√	√
Welds fittings	√	√
Easy Life Welding System	√	√
Data-logging	√	√
Wi-Fi Ready	√	√
PRE-SET 20 customized welding cycles	√	√
Intuitive control panel	√	√
GPS traceability	√	√
Report PDF	√	√
Self-contained Generator on-board	√	-
Heater/Facer on-board	√	√
Insert - Fast-locking system	√	√
Trolley with wheels	√	√
Self-propelled	√	-
Remotely wire-controlled up to 12 m (39 ft)	√	√
Carriage can be removed for in-ditch use	√	√
Lateral rollers	√	√



BUTT FUSION MACHINES REFERENCE



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		
GAMMA 160		40	50	63	75	90	110	125	140	160																					
DELTA 160 M	32	40	50	63	75	90	110	125	140	160																					
DELTA 200 M				63	75	90	110	125	140	160	180	200																			
BASIC 160		40	50	63	75	90	110	125	140	160																					
BASIC 200				63	75	90	110	125	140	160	180	200																			
BASIC 250					75	90	110	125	140	160	180	200	225	250																	
BASIC 315						90	110	125	140	160	180	200	225	250	280	315															
BASIC 355								125	140	160	180	200	225	250	280	315	355														
COMPACT 355								125	140	160	180	200	225	250	280	315	355														
BASIC 160 EASY LIFE		40	50	63	75	90	110	125	140	160																					
BASIC 200 EASY LIFE				63	75	90	110	125	140	160	180	200																			
BASIC 250 EASY LIFE					75	90	110	125	140	160	180	200	225	250																	
BASIC 315 EASY LIFE						90	110	125	140	160	180	200	225	250	280	315															
BASIC 355 EASY LIFE								125	140	160	180	200	225	250	280	315	355														
DELTA 500 EASY LIFE												200	225	250	280	315	355	400	450	500											
DELTA 630 EASY LIFE															280	315	355	400	450	500	560	630									
DELTA 500												200	225	250	280	315	355	400	450	500											
DELTA 630															280	315	355	400	450	500	560	630									
DELTA 800																					500	560	630	710	800						
DELTA 1000																							630	710	800	900	1000				
DELTA 1200																								710	800	900	1000	1200			
DELTA 1600 ECO / 1600 HDR																									800	900	1000	1200	1400	1600	
DELTA 250 TRAILER					75	90	110	125	140	160	180	200	225	250																	
DELTA 355 TRAILER								125	140	160	180	200	225	250	280	315	355														
DELTA 355 ALL TERRAIN								125	140	160	180	200	225	250	280	315	355														
DELTA 500 TRAILER												200	225	250	280	315	355	400	450	500											
DELTA 500 ALL TERRAIN												200	225	250	280	315	355	400	450	500											
DELTA 630 TRAILER													225	250	280	315	355	400	450	500	560	630									
DELTA 630 ALL TERRAIN													225	250	280	315	355	400	450	500	560	630									
DELTA 1000 TRAILER																315	355	400	450	500	560	630	710	800	900	1000					
DELTA DRAGON 250 CNC					75	90	110	125	140	160	180	200	225	250																	
DELTA DRAGON 315 CNC						90	110	125	140	160	180	200	225	250	280	315															
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		

CTS	IPS																																					
	1"	1¼"	1½"	2"	1"	1¼"	1½"	2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"	42"	48"	52"	54"	63"						
GAMMA 160																																						
DELTA 160 M	•	•	•	•																																		
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BASIC 160																																						
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DELTA 800																																						
DELTA 1000																																						
DELTA 48"																																						
DELTA 1600 ECO / 1600 HDR																																						
DELTA TRAILER 250																																						
DELTA 355 TRAILER																																						
DELTA 355 ALL TERRAIN																																						
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DELTA 630 TRAILER																																						
DELTA 630 ALL TERRAIN																																						
DELTA 1000 TRAILER																																						
IPS																																						

DIPS																	
	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	54"	60"
GAMMA 160																	
DELTA 160 M	•	•															
DELTA 200 M	•	•	•														
BASIC 160	•	•															
BASIC 200	•	•	•														
BASIC 250	•	•	•	•													
BASIC 315	•	•	•	•	•												
BASIC 355	•	•	•	•	•	•											
COMPACT 355	•	•	•	•	•	•	•										
BASIC 160 EASY LIFE	•	•															
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BASIC 315 EASY LIFE	•	•	•	•	•												
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DELTA 800																	
DELTA 48"																	
DELTA 1600 ECO / 1600 HDR																	
DELTA TRAILER 250	•	•	•	•													
DELTA 355 TRAILER	•	•	•	•	•												
DELTA 355 ALL TERRAIN	•	•	•	•	•	•											
DELTA 500 TRAILER	•	•	•	•	•	•											
DELTA 500 ALL TERRAIN	•	•	•	•	•	•	•										
DELTA 630 TRAILER	•	•	•	•	•	•	•										
DELTA 630 ALL TERRAIN	•	•	•	•	•	•	•	•									
DELTA 1000 TRAILER	•	•	•	•	•	•	•	•									
DIPS																	



A DVANTAGE

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.

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