



DELTA 500

This is a self-aligning machine, suitable for welding ducts for the transport of water, gas and other fluids under pressure, up to Ø 500 mm 18" DISP). The DELTA 500 was designed in accordance to the International correspondent standards (UNI 10565, ISO 12176-1), and consists of:

- A machine body with a steel bearing frame, four steel clamps and two hydraulic thrust cylinders with non-drip quick couplings and steel inserts.
- Self detaching device: helps removing the heating plate during welding procedure.
- An extractable heating plate with separate thermometer for reading the working temperature.
- An extractable electric milling cutter for leveling the ends of the pipe and/or fitting, with a safety microswitch and overload cutout. Milling cutter's plastic control box is protected by a metal frame, and equipped with a fast removing system to speed up the extraction from machine body.
- An electrohydraulic gearcase with a clamps opening and closing lever, maximum pressure and release valves (also useful when welding with the "Dual Pressure" procedure), hydraulic hoses with non-drip quick couplings, a timer (for the heating and welding phases). The machine is preset for the connection of the electronic controller THE INSPECTOR.
- Digital electric connections box with the high precision ($\pm 1^\circ\text{C}$) "Digital Dragon" temperature controller protected by a special container and equipped with a reading display and keys for temperature adjustment.
- A milling cutter/heating plate support.

With DELTA 500 it is possible to weld fittings such as elbows, tees, wyes and stub ends. This is possible because the 3rd clamp can be anchored to the 1st and 2nd (movable) and slide along with the pipe. The fitting have to be locked in the 4th clamp. Short neck stub ends can be welded with the help of a special tool (on request). Available in 230 V and 400 V.

STANDARD COMPOSITION



Machine body



Detach device
for heater



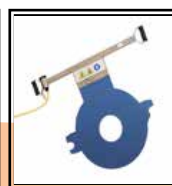
Gearcase



Electronic
thermoregulator



Milling cutter



Heating plate



Support

TECHNICAL FEATURES

PLUS

**200 ÷ 500 mm
water - gas - oil**

**FACER
fast removing system**

"DIGITAL DRAGON"

* Suggested power generator
12kVA

Working range	200 ÷ 500 mm; 8" IPS ÷ 18" DIPS
Materials	HDPE, PP, PVDF For other materials contact RITMO S.P.A.
Power supply*	230 Single Phase 50/60 Hz 400 V Three Phase 50/60 HZ
Total absorbed power	7950 W (230 V) 7200 W (400 V)
Working temperature	180° ÷ 280° C (356° ÷ 536° F)
Outside temperature range	-10° ÷ 40° C (14° ÷ 104° F)
Time to reach welding temperature	< 20'
Dimensions machine body (W x D x H)	1265 x 790 x 780 mm (50" x 31" x 31")
Weight machine body	230 Kg (507 lb)
Weight standard composition	408 Kg (900 lb)

ON REQUEST



Inserts
Ø 200 ÷ 450 mm



Tool for flange
necks



Trolley



Electrical crane



The INSPECTOR
Data-logging



Rollers

and:

Inserts Ø 8" ÷ 18" IPS; 8" ÷ 18" DIPS

pre-insulated bag for heating plate, special transport wooden case or metal cage for:
body machine/trolley - gearcase/plate/cutter

Russia



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





Global Water Group

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“Your trusted Ritmo distributor for PE welding solutions”