



DELTA 800

This is a self-aligning machine, suitable for welding ducts for the transport of water, gas and other fluids under pressure, up to Ø 800 mm 30" IPS. The DELTA 800 was designed in accordance to the International correspondent standards (UNI 10565, ISO 12176-1), and consists of:

- A machine body with a bearing frame, four clamps and two hydraulic thrust cylinders with non-drip quick couplings, and steel inserts.
- An extractable heating plate with separate thermometer for reading the working temperature.
- An extractable electrically controlled milling cutter for levelling the ends of the pipe and/or fitting, with a safety microswitch and overload cutout.
- An 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), an extractable electrical panel with power outlet for the heating plate, an electronic thermoregulator for the control of the working temperature, a differential circuit breaker, and a special connection for the electronic data-logging THE INSPECTOR.
- A milling cutter/heating plate support.

The DELTA 800 can weld fittings such as bends, 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



Detach device for heater



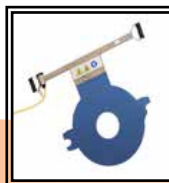
Gearcase



Electronic thermoregulator



Milling cutter



Heating plate



Support

TECHNICAL FEATURES

PLUS

**500 ÷ 800 mm
water - gas - oil
FACER
fast removing system**

"DIGITAL DRAGON"

* Suggested power generator
30kVA

Working range	500 ÷ 800 mm 20" IPS ÷ 30" IPS
Materials	HDPE, PP, PVDF For other materials contact RITMO S.P.A.
Power supply*	400 V 3F+N+PE 50/60 HZ
Total absorbed power	16500 W
Working temperature	180° ÷ 280° C (356° ÷ 536° F)
Outside temperature range	-10° ÷ 40° C (14° ÷ 104° F)
Time to reach welding temperature	< 45'
Dimensions machine body (W x D x H)	2100 x 1350 x 1300 mm (83" x 53" x 51")
Weight machine body	821 Kg (1810 lb)
Weight standard composition	1260 Kg (2777 lb)

ON REQUEST



Inserts
Ø 500 ÷ 710 mm



Tool for flange
necks



Trolley



Electrical crane



The INSPECTOR
Data-logging



Rollers

and:
Inserts Ø 20" ÷ 30" IPS; 18" ÷ 24" DIPS

Israel



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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