



# DELTA 630MM BUTT WELDER

WORKING RANGE: 280 - 630 MM

BY RITMO



Ultimate Solutions.  
Intelligent Delivery.

## ● FEATURES

- Technical assistance offered before sale and after sale.
- Free onsite team training with any butt welder purchase once machine is delivered.
- Stock of all critical components as spares in NZ.
- Servicing of all machines done here in NZ in our workshop. No requirement to send your machine offshore.
- 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 630 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 has to be locked in the 4th clamp. Short neck stub ends can be welded with the help of a special tool (on request).

## ● STANDARD COMPOSITION



**MACHINE BODY**



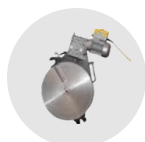
**DETACH DEVICE FOR HEATER**



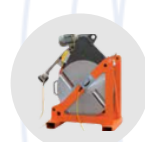
**GEAR CASE**



**HEATING PLATE**



**MILLING CUTTER**



**SUPPORT**



**ELECTRONIC THERMOREGULATOR**



**MACHINE BODY**

## ● ABOUT

This is a self-aligning machine, suitable for welding ducts for the transport of water, gas and other fluids under pressure, up to 630mm. The DELTA 630 was designed in accordance with the International correspondent standards (UNI 10565, ISO 12176-1).

## ● BENEFITS

The DELTA system designed by RITMO offers the below benefits:

- Easy setting and easy to use
- Avoid mistakes
- THE INSPECTOR electronic controller
- "Digital Dragon" temperature controller
- Wide product range
- Reliability and precision
- Affordable system
- 100% quality

## ON REQUEST



INSERTS  
280 - 560 MM



TOOL FOR FLANGE  
NECKS



TROLLEY



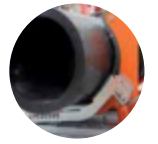
THE INSPECTOR  
DATA-LOGGING



ELECTRICAL  
CRANE



ROLLERS



HYDRAULIC  
ROLLERS

## TECHNICAL FEATURES

| MODEL                               | DELTA 630  |
|-------------------------------------|--|
| Working range *                     | 280 - 630 mm   |
| Materials                           | HDPE, PP, PVDF<br>For other materials contact RITMO S.P.A. |
| Power supply                        | 230 V three phase 50/60 HZ<br>400 V three phase 50/60 HZ   |
| Total absorbed power*               | 12350 W  |
| Working temperature                 | 180° - 280° C  |
| Outside temperature range           | -10° - 40° C   |
| Time to reach welding temperature   | < 20   |
| Dimensions machine body (W x D x H) | 1550 x 1010 x 1000 mm                                      |
| Weight machine body                 | 415 Kg   |
| Weight standard composition         | 708 Kg   |

## PLUS

- Weighted pipe shaver to assist with easy removal
- Digital dragon temperature probe

\* **Suggested power generator 18kVA**

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