

PRODUCTS CATALOGUE

"AT EASE IN YOUR CONSTRUCTION SITE"

www.ritmo.it





Ritmo meets all your welding needs in your jobsite



The information and photos in this publication are not binding and RITMO S.P.A. is free to make any alterations without prior notice.

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.

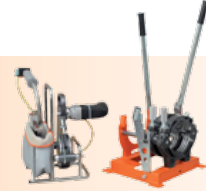
STARTING AND TESTING

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.

RITMO'S BUTT FUSION MACHINES: WORK PHILOSOPHY AVAILABLE TO EVERYONE!

- **MANUAL**

welding machines without hydraulic gearcase



- **HYDRAULIC**

welding machines with hydraulic gearcase



- **EASY LIFE SYSTEM** *HIGH LEVEL PERFORMANCE*

automated welding cycle

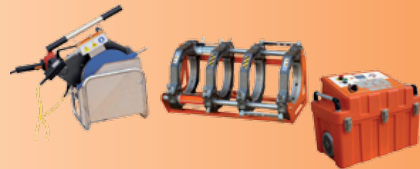
welding machines with special hydraulic gearcase

Hardware and Software interact to the entire workflow

repetition of welding cycles

GPS, data-logging and report PDF,

APP "SET & GO PRO" (optional)



- **ALL TERRAIN** *HIGH LEVEL PERFORMANCE*

self-contained generator on board

self-propelled

trolley with wheels

welding machines with special hydraulic gearcase

automated welding cycle

Hardware and Software interact to the entire workflow

repetition of welding cycles

GPS, data-logging and report PDF,

APP "SET & GO PRO" (optional)



- **CNC** *HIGH LEVEL PERFORMANCE*

automatic welding cycle

special hydraulic gearcase and machine body with

integrated mechanical extraction of heating plate

Hardware and Software interact to the entire workflow

repetition of welding cycles

GPS, data-logging and report PDF



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 | √ | √ |





DELTA 630 TRAILER

DELTA 630 TRAILER is a self-aligning fusion machine, suitable for welding thermoplastic pipes for the transport of water, gas and other fluids under pressure, up to \varnothing 630 mm. Machine can fuse pipes according to the ISO 21307 High Pressure standard.

- Machine body mounted on a 4 wheeled chassis, easily removable for working in tight spaces; steel hydraulic clamping with the fast-locking inserts, which allows to place and remove inserts in seconds; self detaching device: helps removing the heating plate during welding procedure.
- 4 wheeled chassis with 2 steering wheels and a safety brake.
- An on-board hydraulic electric facer that is equipped with a safety microswitch to prevent from accidental starts, a thermal circuit breaker to protect motor.
- An on-board hydraulic heating plate Teflon-coated (PTFE) which comes with a high-temperature-proof bag, which also avoid the heating element from being scratched.
- An EASY LIFE control panel with a large graphic display and GPS traceability, which is also removable from the machine body to be able to weld from outside the ditch. Allows the operator to program and pilot all the welding cycle in an easy, fast and very intuitive way. Includes a data-logging system to store full welding data, downloadable through a USB port. The EASY LIFE system has the capability store up to 4000 joint reports. Possibility to pre-set 20 customized welding cycles. **Easy Life system is "Wi-Fi" ready and works together with the App "SET & GO PRO"**.
- Two innovative lateral rollers that can be operated by a cordless drill.
- Control panel for hydraulic movements.

DELTA 630 TRAILER allows to easily weld fittings like elbows, tees, Y-branches and stub flanges.

STANDARD COMPOSITION



Machine body



Rollers



Hydraulic clamps



Control panel with GPS



Milling cutter



Heating plate

TECHNICAL FEATURES

PLUS

225 ÷ 630 mm
ISO 21307
HIGH PRESSURE

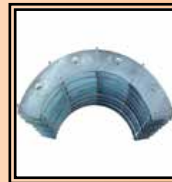
Steel Hydraulic
clamping

| | |
|-------------------------------------|--|
| Working range | 225* ÷ 630 mm; 8" IPS ÷ 24" DIPS |
| Materials | HDPE, PP For other materials contact RITMO S.P.A. |
| Power supply** | 230 V Three Phase 50/60 Hz 400 V Three Phase 50/60 Hz |
| Total absorbed power | 9300 W |
| Working temperature | 180° ÷ 280° C (356° ÷ 536° F) |
| Outside temperature range | -10° ÷ 40° C (14 ° ÷ 104° F) |
| Dimensions machine body (W x D x H) | 1822 x 1152 x 990 mm 71.7" x 53" x 39" |
| Dimensions trailer (W x D x H) | 2955 x 1578 x 1370 mm 116,3" x 62,1" x 54" |
| Weight standard composition | 1320 Kg (2910 lb) |
| Weight trolley | 435 Kg (960 lb) |

** Suggested power generator
18kVA

* 225 mm from SDR 26 to SDR 7

ON REQUEST



Inserts
Ø 225 ÷ 630 mm



Tool for flange
necks



App
"Set & Go Pro"

and:
Inserts Ø 8" ÷ 24" IPS; 8" ÷ 20" DIPS; KIT for IN-DITCH USE,
HS Roller 630, KIT hoist, metal cage for transport

India





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 | • | • | • | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | |
| DELTA 200 M | | | | | | | | | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| BASIC 160 | | | | | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| BASIC 200 | | | | | | | | | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| BASIC 250 | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | |
| BASIC 315 | | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | |
| BASIC 355 | | | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| COMPACT 355 | | | | | | | | | | | | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| BASIC 160 EASY LIFE | | | | | • | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | |
| BASIC 200 EASY LIFE | | | | | | | | | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | |
| BASIC 250 EASY LIFE | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | |
| BASIC 315 EASY LIFE | | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | |
| BASIC 355 EASY LIFE | | | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | | | |
| DELTA 500 EASY LIFE | | | | | | | | | | | | | • | • | • | • | • | • | • | • | | | | | | | | | | | | | | | |
| DELTA 630 EASY LIFE | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | | |
| DELTA 500 | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | | |
| DELTA 630 | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | | | | | | | | | | | |
| DELTA 800 | | | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | | | | | | | | | |
| DELTA 1000 | | | | | | | | | | | | | | | | | | | | | | • | • | • | • | • | • | • | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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" | | | |

| 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 | • | • | | | | | | | | | | | | | | | |
| BASIC 200 EASY LIFE | • | • | • | | | | | | | | | | | | | | |
| BASIC 250 EASY LIFE | • | • | • | • | | | | | | | | | | | | | |
| BASIC 315 EASY LIFE | • | • | • | • | • | | | | | | | | | | | | |
| BASIC 355 EASY LIFE | • | • | • | • | • | • | | | | | | | | | | | |
| DELTA 500 EASY LIFE | | | | • | • | • | • | • | • | • | | | | | | | |
| DELTA 630 EASY LIFE | | | | | • | • | • | • | • | • | • | | | | | | |
| DELTA 500 | | | | | • | • | • | • | • | • | • | | | | | | |
| DELTA 630 | | | | | | • | • | • | • | • | • | | | | | | |
| 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 | 3" | 4" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" | 30" | 36" | 42" | 48" | 54" | 60" |





**Ritmo**
PLASTIC WELDING TECHNOLOGY



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