



RTM LINE **BRILLIANT** **SOLUTIONS**

EVERYTHING NOW IS POSSIBLE

LIGHT WEIGHT -60%

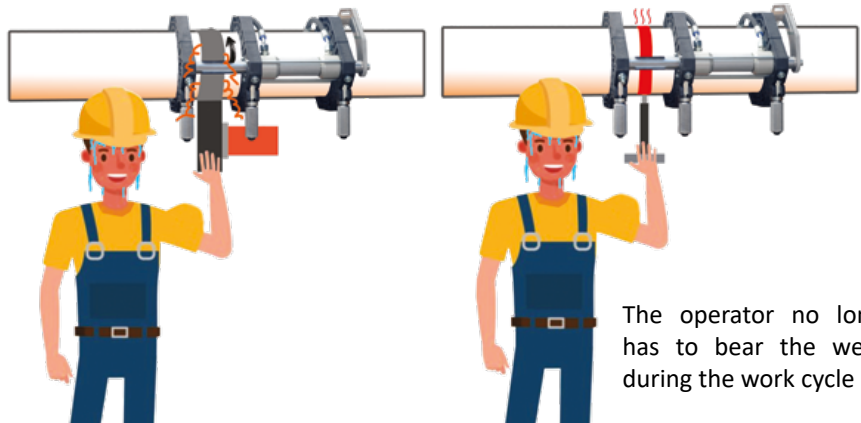
- EXTREME WEIGHT REDUCTION
- TECHNOPOLYMER JAW GRIPS
- QUICK FRAME RELEASE



From -56% to -61% is the machine-body weight reduction value compared to a BASIC welding machine with the same working area.

NEVER AGAIN EXERTION

- SAFETY
- END OF ON-SITE
WEIGHT-BEARING



The operator no longer has to bear the weight during the work cycle

INNOVATIVE TECHNOLOGY

- VERTICAL FUSION
- REDUCED SPACES
- OVERHEAD WORK



Innovative technology that simplifies work even in the most difficult conditions, such as vertical fusion.

A NEW FRONTIER OPENS UP

Just a simple touch to experience a new sense of lightness and handling—essential requirements in a modern, technologically advanced welding machine. All of this is made possible by polymer-tech jaw grips. Quality in a new experience.



SEMPPLICITY

With no tools required, the operator releases the RTM welding machine from the frame: it becomes even lighter and ready for on-site work.



WITH RTM,



YOU CAN ROTATE



- Frame rotation at 45° and 180°
- Maximum clamp opening
- Efficient top-loading of pipes



ALWAYS SAFE ON-SITE

- **On-site operation** Once positioned and clamped, the facer and heating plate remain firmly secured.
Advantage: the operator does not have to support their weight during the work cycle.
- **Secure anchoring** Reduces on-site risks and increases operational safety
- **Active protection** Accidental disengagement or slipping during operation is impossible.
- **Deliberate release control** Removal occurs only through a conscious, controlled action by the operator.



Heating plate
Lock System



Facer
Lock System



PATENT
PENDING

A POWER PLAY

1

Bottom-to-top pipe loading:
a solution to the risk of carriage opening

2

Standard load

3

Top-to-bottom pipe loading: solution to
carriage closing and negative pulling force

3

Kg

1

Kg

Kg

2



Eliminates dragging issues caused by gravity and the weight of the pipe.

Preloaded welding standards
Correct welding pressures
Precise regulation via a rotating knob
Continuous monitoring of the forces involved



Remote control for
RTM control unit

Technopolymer
clamps

Heating plate

Facer

RTM electronic control unit
in protective box

Compact,
removable frame

Drag bar
for fittings

Facer and
heating plate support



AS YOU LIKE

Modular system configurable with a choice of two types of control unit.

1

- RTM electronic control unit for vertical and horizontal welds, to achieve the RTM system's maximum performance.

2

- Manual hydraulic control unit — the solution to the customer's real needs.



RTM 250

1



RTM electronic control unit for vertical and horizontal welding

Preloaded welding standards

2

Manual hydraulic control unit for horizontal welding



FREEDOM OF CHOICE

RTM quality is not tied to a single pipe brand or manufacturer

MATERIAL
PP-RCT

MULTI-BRAND
PIPES

PERFECT
RESULTS





RTM 160



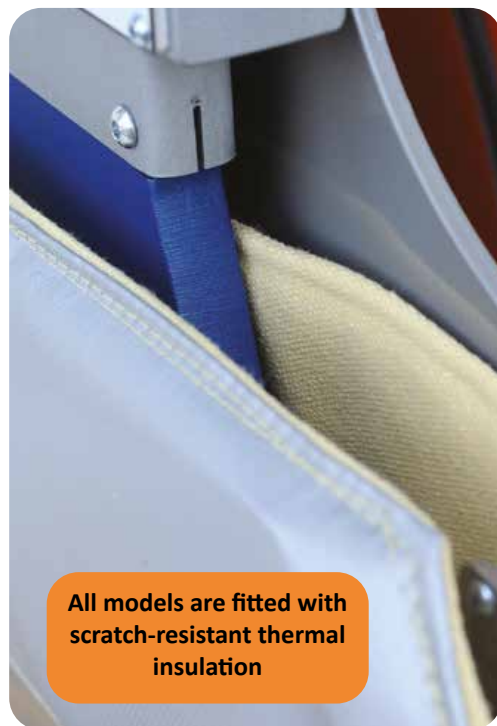
RTM 200



RTM 250



RTM 315



All models are fitted with
scratch-resistant thermal
insulation

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TECHNICAL FEATURES

Preloaded welding standards:

ASTM-F2620-13 PE e ASTM F3722-24 PP;
ISO21307 17 Low-pressure; DVS2207-11 17 PP, INSTA 2072-21 PE;
NS 416-2 08, UNI10520 09 PE, WIS4-32-08-i4 PE

	RTM 160	RTM 200	RTM 250	RTM 315
Working range	40 ÷ 160 mm	63 ÷ 200 mm	75 ÷ 250 mm	90 ÷ 315 mm
Materials	PP - PE and other thermoplastic materials	PP - PE and other thermoplastic materials	PP - PE and other thermoplastic materials	PP - PE and other thermoplastic materials
Ambient T°	-10° ÷ 40° C (14° ÷ 104° F)	-10° ÷ 40° C (14° ÷ 104° F)	-10° ÷ 40° C (14° ÷ 104° F)	-10° ÷ 40° C (14° ÷ 104° F)
Working T°	180° ÷ 260°C (356° ÷ 500° F)	180° ÷ 260°C (356° ÷ 500° F)	180° ÷ 260°C (356° ÷ 500° F)	180° ÷ 260°C (356° ÷ 500° F)
Power supply (Vac)	120 V; 230 V	120 V; 230 V	120 V; 230 V	120 V; 230 V
Absorbed power max	3200 W - 120 V; 3000 W - 230 V	4000 W	4200 W	4700 W - 120 V; 5200 W - 230 V
Dimension (L x W x H) RTM with frame	620 x 398 x 342 mm 24.4" x 15.7" x 13.5"	670 x 447 x 376 mm 26.4" x 17.6" x 14.8"	766 x 533 x 475 mm 30.2" x 21.0" x 18.7"	760 x 617 x 533 mm 29.9" x 24.3" x 21.0"
Weight RTM with frame	19 Kg (43 lb)	23 Kg (51 lb)	40 Kg (88 lb)	54 Kg (119 lb)
Dimension (L x W x H) RTM - 3 CLAMPS without frame	460 x 398 x 293 mm 22" x 15.7" x 11.5"	514 x 447 x 326 mm 20.2" x 17.6" x 12.8"	691 x 533 x 405 mm 27.2" x 21.0" x 15.9"	600 x 617 x 48 mm 23.6" x 24.3" x 19.0"
Weight RTM 3 CLAMPS without frame	12 Kg (26,4 lb)	15 Kg (33 lb)	27 Kg (59,5 lb)	38 Kg (83 lb)
Dimension (L x D x H) RTM gearcase unit	584 x 392 x 500 mm 23"x 15.4" x 19.7"	584 x 392 x 500 mm 23"x 15.4" x 19.7"	584 x 392 x 500 mm 23"x 15.4" x 19.7"	584 x 392 x 500 mm 23"x 15.4" x 19.7"
Weight RTM gearcase unit	45 Kg (99 lb)	45 Kg (99 lb)	45 Kg (99 lb)	45 Kg (99 lb)
Weight standard gearcase unit	26 Kg (57 lb)	26 Kg (57 lb)	26 Kg (57 lb)	26 Kg (57 lb)

EXTRA DETAILS FOR A PERFECT JOB

EVERYTHING YOU NEED

RTM welders include many small details that improve work efficiency

- 1 - Full clamp opening for top-loading pipes
- 2 - Electronic control unit with remote control for comfortable, safe operation
- 3 - Magnetized area for the control-unit remote
- 4 - Standard sintered blades
- 5 - High-quality hydraulic hoses
- 6 - Facer with convenient side handles to ease in-field engagement
- 7 - Remote control for facer activation
- 8 - Heating plate with comfortable side handles to facilitate on-site installation
- 9 - Facer with safety micro-switch
- 10 - Frame locks for quick removal of the welder — no tools required
- 11 - Detach device (only for models RTM 250 and RTM 315)
- 12 - Heating plate with high-precision electronic temperature controller, Digital Dragon

