



REMEDY LINE SAFETY FUSION



QUALITY ASSURED

LARGE
MEDIUM
SMALL

HIGH
PRESSURE
ISO 21307

ASTM
F2620

FUSION SOLUTION



REMEDY 1000

HDPE and PP pipes
Ø 355 mm to 1000 mm
14" IPS ÷ 36" DIPS



REMEDY 500 V1

HDPE and PP pipes
Ø 200 mm to 500 mm
6" ÷ 20" IPS
6" ÷ 18" DIPS



REMEDY 355

HDPE and PP pipes
Ø 125 mm to 355 mm
4" ÷ 14" IPS
4" ÷ 12" DIPS



TOTAL MOBILITY TO JOBSITE

REMEDY Line are independent and high-productivity welding machines driven by tracks and powered by Diesel on-board generator. Operating slope up to 35%





SMALL DIAMETERS FUSION

REMEDY 355 is an independent, high-productivity welding machine driven by tracks and powered by a Diesel on-board generator. Designed for butt welding HDPE and PP pipes from Ø 125 to 355 mm (from 4" to 14" IPS; from 4" to 12" DIPS).

Suitable for ISO 21307 High Pressure and ASTM F2620 fusion standards.

**HIGH
PRODUCTIVITY**

INDEPENDENT

**DIESEL ENGINE
ON-BOARD
GENERATOR**



REMEDY 355

OUR SMART SOLUTION

VERSATILE

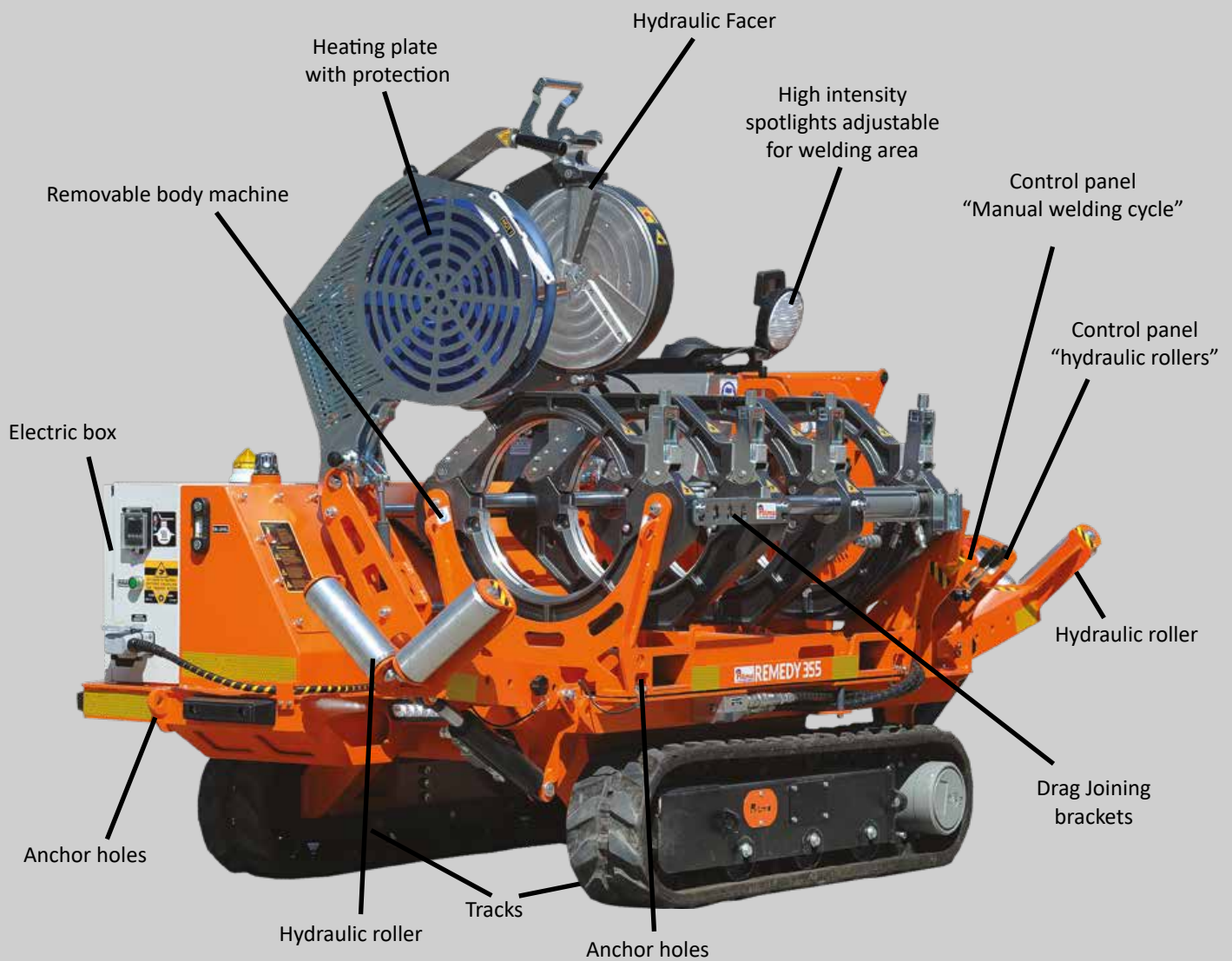
- Working range from Ø 125 to 355 mm from Ø 4" to 14" IPS from Ø 4" to 12" DIPS
- Materials: HDPE, PP
- Manual controls
- Tracked welding machine
- Drives over 35% slopes
- In-ditch/user friendly
- In-ditch hoses/cables range/length 7 m - 23 ft

ACCURATE

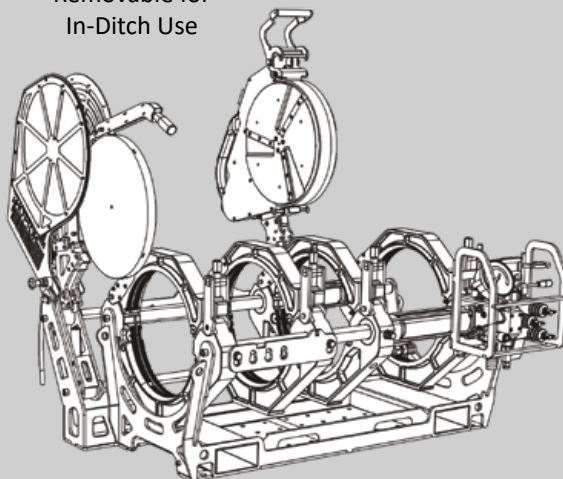
- Designed to weld according to: ISO 21307 High Pressure ASTM F2620 standards
- Removable auxiliary panel to control facer/heating plate
- Easily welds fittings/quick set-up time
- Heating plate with a high temperature protection
- Spotlights on welding area
- Insert with fast-locking system

COMPLETE

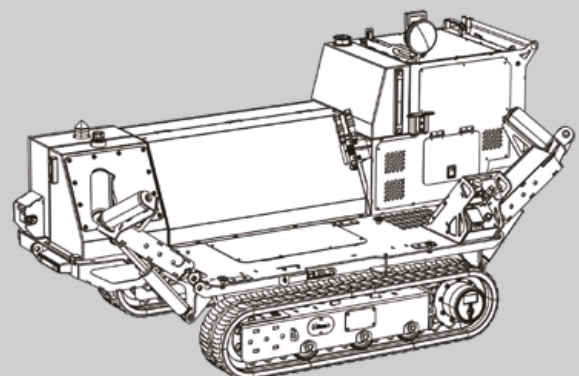
- Self-propelled on track
- Self-contained generator on-board
- Heater/facer on-board
- Patented System to open/close Heating plate and Facer
- Hydraulic side rollers
- Facer with safety microswitch



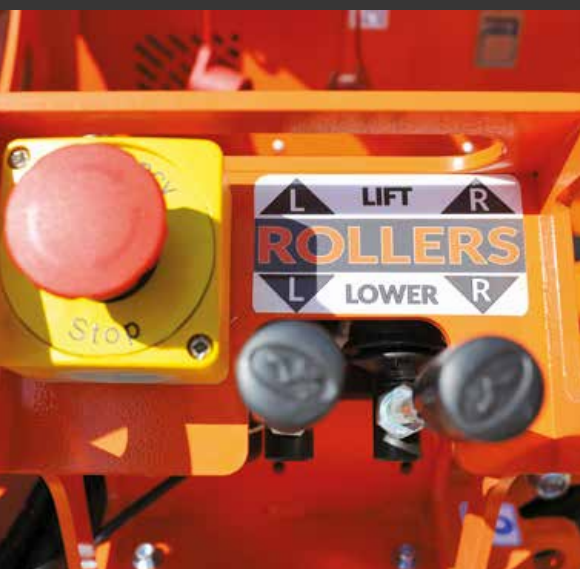
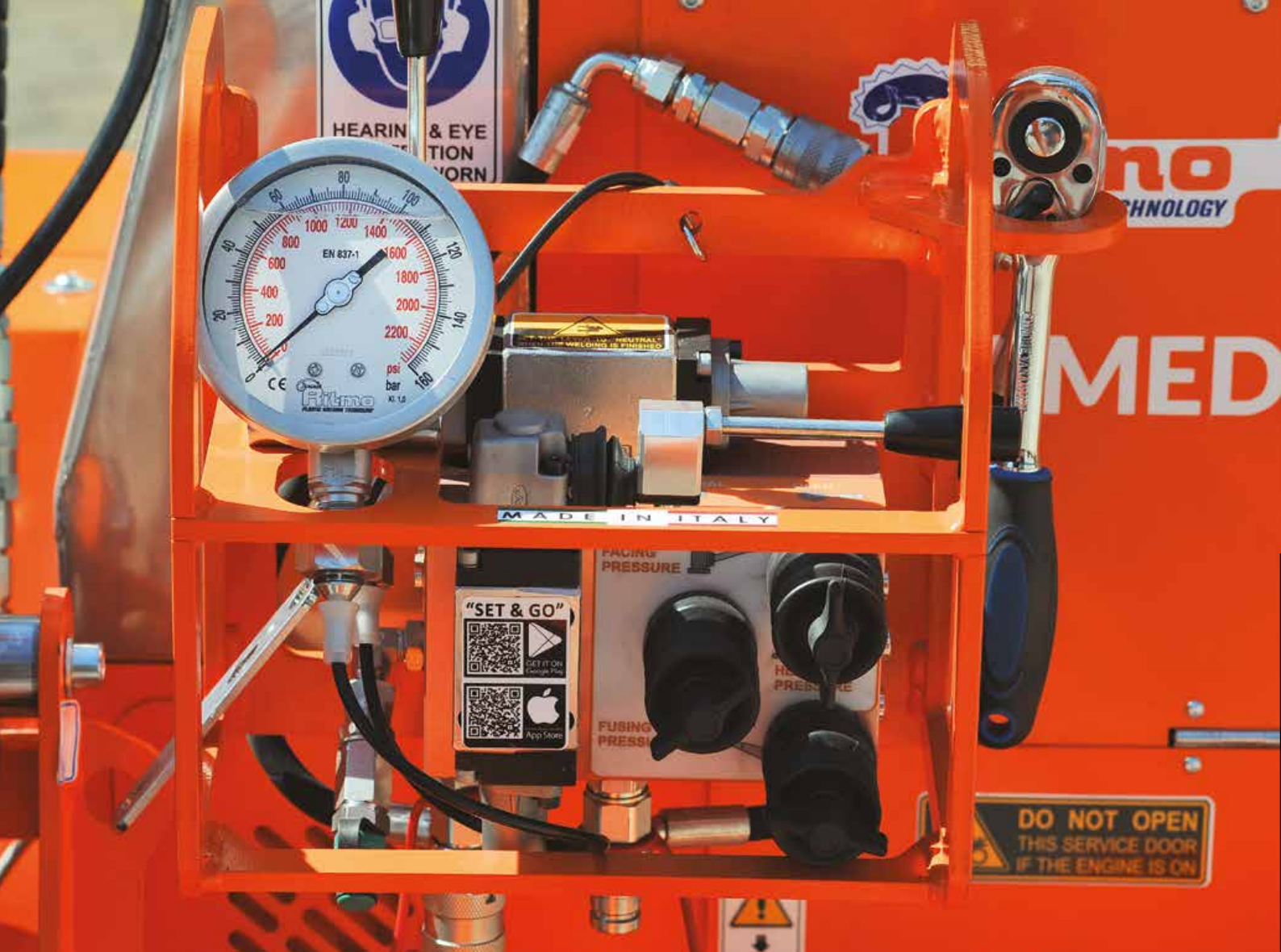
Machine Carriage Easily Removable for In-Ditch Use



Tracks along with an On-Board Generator





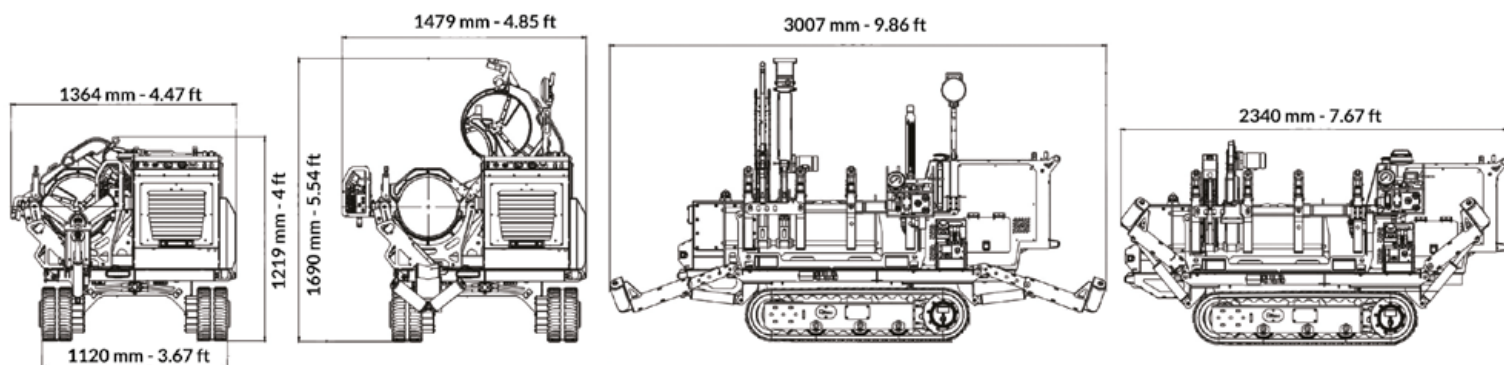


ALL IN YOUR HANDS

FREE TO CONTROL

Remedy 355 is available with Manual Welding Control System. Intuitive control panel allow an easy management of the welding cycle and every phase is manually controlled.





TECHNICAL FEATURES

Working range	125 ÷ 355 mm 4" ÷ 14" IPS 4" ÷ 12" DIPS
Materials	HDPE, PP For other materials contact RITMO S.P.A.
On board generator	719 cc - 14 kW
Emmission compliance	EPA US TIER 4 FINAL, UE STAGE V
Fuel	Diesel
Fuel tank	25 Litres (6.6 gal)
Autonomy	12.5 Hours
Hourly consumption	max 2 Liters (0.52 gal)
Max operator side noise	78 dB
Tracks driving speed	1.5 Km/h or 3 Km/h (0.93 mph or 1.86 mph)
Shoe size	180 mm (7.08")
Max operating slope	35%
Max dimensions on site (W x D x H) Remedy 355 standard composition	3007 x 1479 x 1690 mm 9.86 x 4.85 x 5.54 ft
Max dimensions on shipping (W x D x H)	2340 x 1364 x 1219 mm 7.67 x 4.47 x 4 ft
Weight boby machine for in-ditch use	265 Kg (584 lb)
Weight Remedy 355 standard composition	1170 Kg (2579 lb)



MEDIUM DIAMETER FUSION

REMEDY 500 V1 is an independent, high-productivity welding machine driven by tracks. Made in Ritmo and powered by a Diesel on-board generator. Designed for butt welding HDPE and PP pipes from Ø 200 to 500 mm (from 6" to 20" IPS; from 6" to 18" DIPS). Remedy 500 V1 is available with MANUAL welding cycle suitable for ISO 21307 High Pressure and ASTM F2620 fusion standards or FA with CNC welding cycle suitable for ISO 21307 Low Pressure and GIS, WIS, DVS.

DIESEL ENGINE

The machine allows the selection of two motor speeds:

1800 RPM - Movement
3000 RPM - Welding

**HIGH
PRODUCTIVITY**

INDEPENDENT

**ON-BOARD
GENERATOR**

REMEDY 500 V1

FREE TO CHOOSE



- REMEDY 500 V1

Designed to weld according to:
ISO 21307 High Pressure
ASTM F2620 standards



- REMEDY 500 V1 FA

Designed to weld according to:
ISO 21307 Low Pressure; GIS/PL2-3:2015; WIS 4-32-08 I4;
DVS 2207 -1:2015; DVS 2207- 11: 2017

VERSATILE

- Remote control track up to 100 m 328 ft
- Materials: HDPE, PP
- Tracked welding machine
- Drives over 30% slopes
- In-ditch/user friendly
- Controlled welding cycle
- In-ditch hoses/cables 7 m - 23 ft range/length

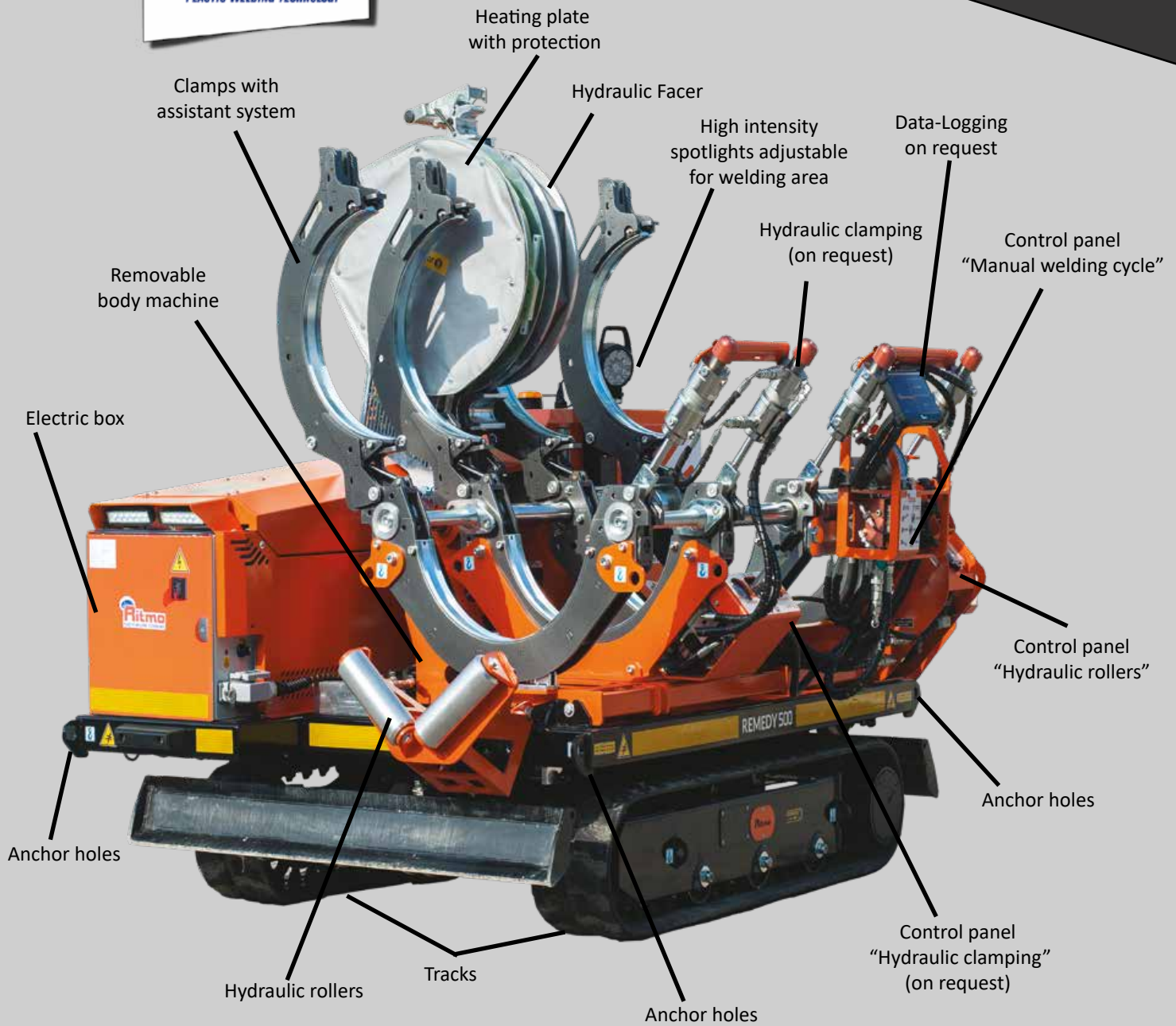
ACCURATE

- Removable auxiliary panel to control facer/heating plate
- Easily welds fittings/quick set-up time
- Heating plate with a high temperature resistant protection casing
- Spotlights on welding area
- Insert with fast-locking system

COMPLETE

- Self-propelled on track
- Patented System to open/close clamps
- Heating plate with hydraulic movement
- Facer with hydraulic movement
- Hydraulic side rollers
- Facer with safety microswitch
- Self-contained generator on-board
- Heater/facer on-board
- *Data-logging with GPS traceability, Pre-set customized welding cycles, Shared Report

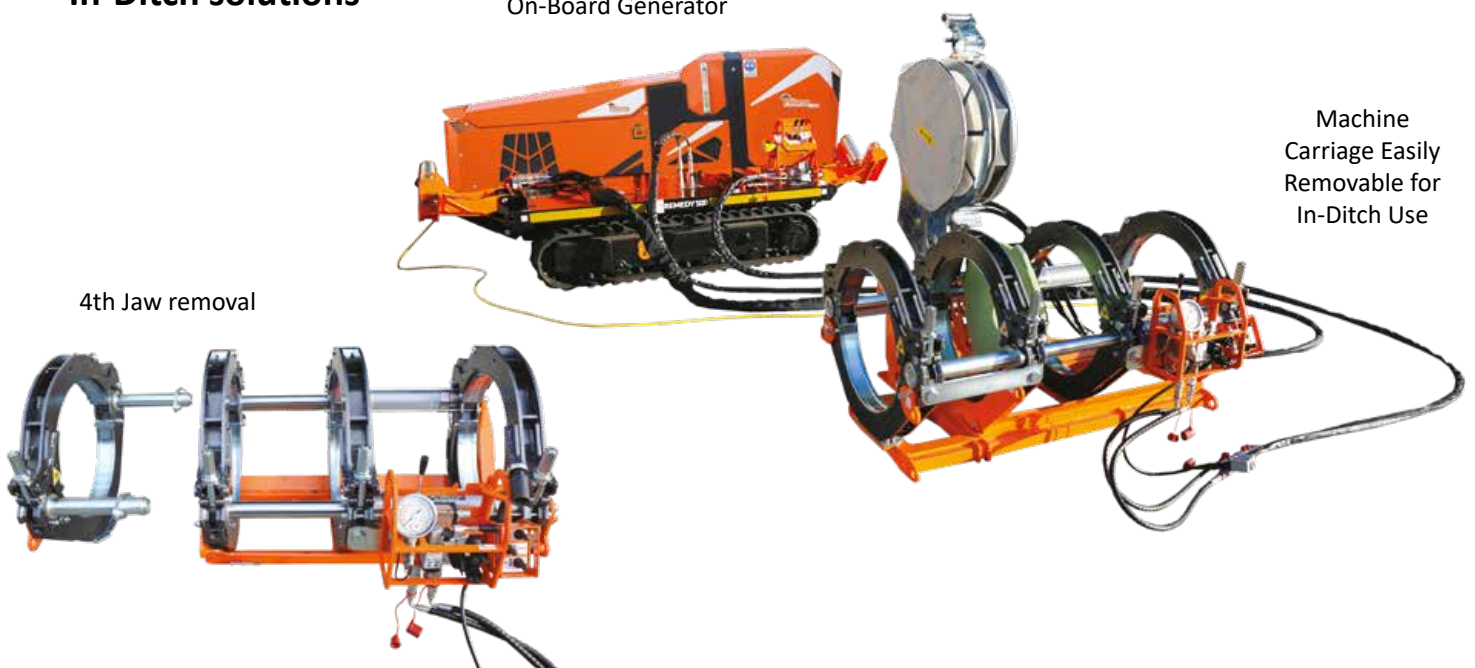
* REMEDY 500 V1 FA included;
REMEDY 500 V1 on request

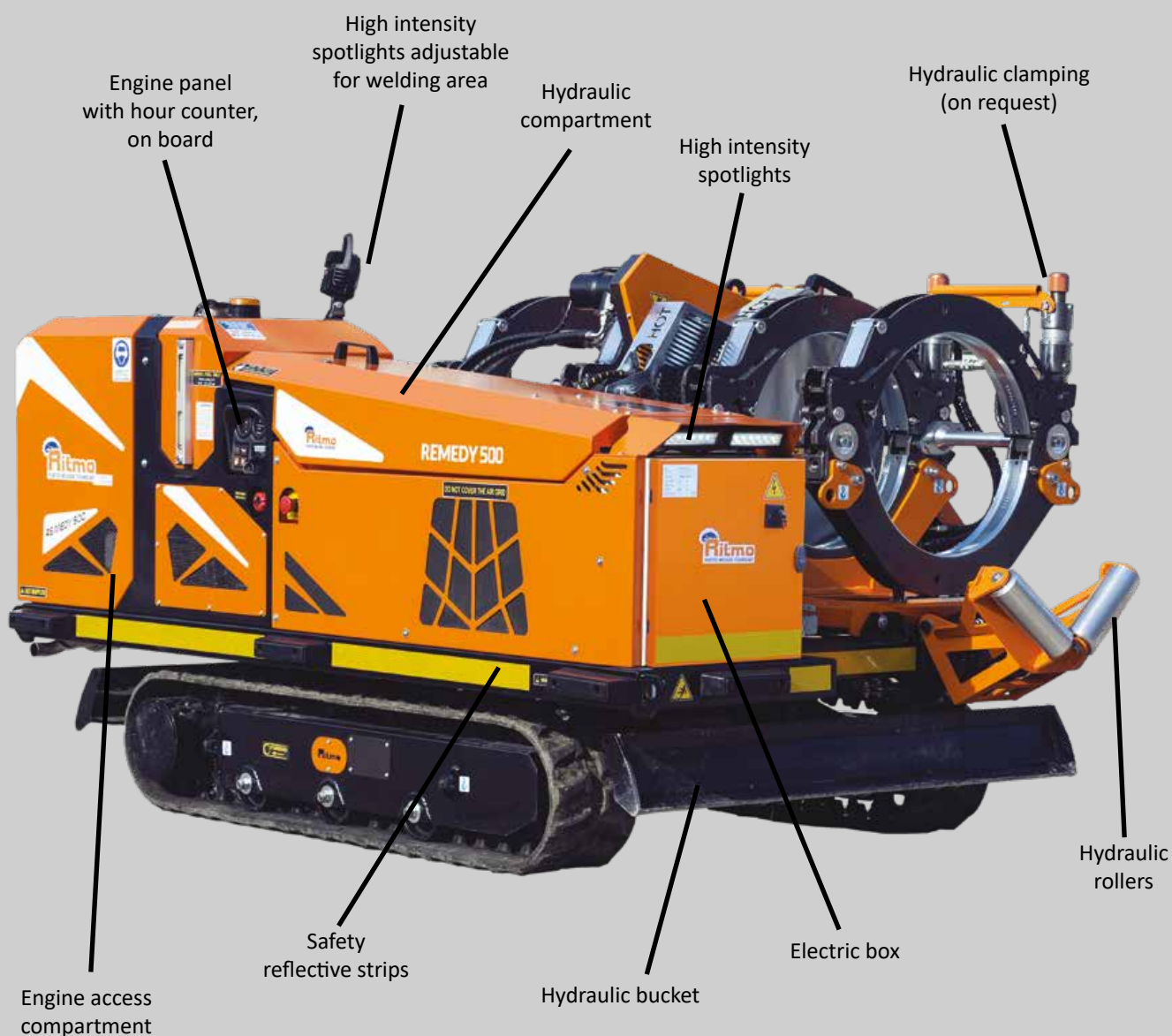


Remedy 500 V1

In-Ditch solutions

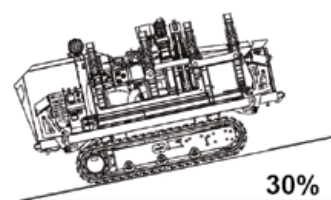
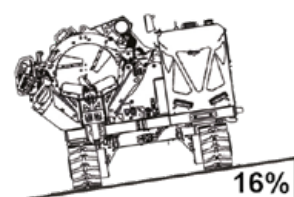
Tracks along with an On-Board Generator





www.ritmo.it

PERFORMANCE IN ALL TERRAIN



EASILY TRANSPORTED

Thanks to its compact size and lightweight REMEDY 500 V1 can be easily transported anywhere with a simple cart.

FA CNC FUSION SYSTEM

REMEDY 500 V1 FA - HOW DOES IT WORK

FA: Fully Automatic. Hardware and software have been developed to interact to each other sharing data during the entire workflow. Once set the pipe data and welding standard up, the system guarantees the repetition of the welding cycles, avoiding errors. In the exchange phase, the CNC system automatically manages the opening of the machine, the extraction of the heating plate and the subsequent joining of the pipe according to the requirements of the set standard.

**LET US
DELIVER VALUE**

- 1 - AUTOMATIC WELDING
- 2 - ELIMINATES OPERATOR ERROR
- 3 - DATA-LOGGING INCLUDED
- 4 - PERSONALIZED PARAMETERS
- 5 - WELDING REPORT

BSI Certificate N° VC 750599



Model REMEDY 500 V1 FA





Model REMEDY 500 V1



ALL IN YOUR HANDS

REMEDY 500 V1 - TOTAL CONTROL

- Intuitive manual controls
- Removable Control Panel for Hydraulic Facer and Heating Plate
- Control panel to lift side hydraulic rollers

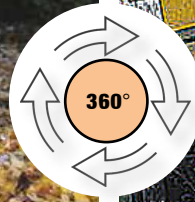
On request Data-logging Inspector 2.0



RADIO REMOTE CONTROL

WIRELESS

The wireless control allows the operator to always move the tracked welding machine safely and guarantees better management during the positioning.



SAVE TIME - SAVE MONEY

Easy access for the maintenance compartments. Change oil filter, checking fuses, and routine checks are quick and easy to perform.

EASY MAINTENANCE FAST SOLUTION



OPTIONAL ON REQUEST

Thanks to an optional accessories package, the user can expand the functions of REMEDY 500 V1. This flexibility makes REMEDY 500 V1 a versatile and valuable tool to tackle the various challenges typical of construction sites.



HYDRAULIC CLAMPING

Remedy 500 V1 allows the locking of the clamps in a hydraulic way. The kit is designed to work with the removal of the 4th clamp for welding fittings or stub-end/flanges.



HYDRAULIC BUCKET

With the use of two hydraulic bucket, Remedy 500 V1 can be stabilized or slightly lifted to ensure better alignment with the pipe.



THE WINCH

The winch installed on the hydraulic roller bed greatly facilitates the loading of the pipe into the welding machine, eliminating the need to use an additional vehicle for its dragging.

EXTRA DETAILS

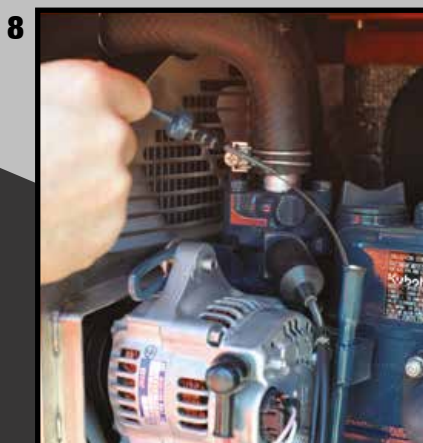
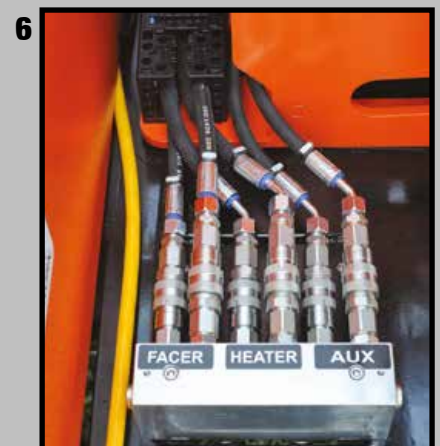
THE PERFECT JOBSITE

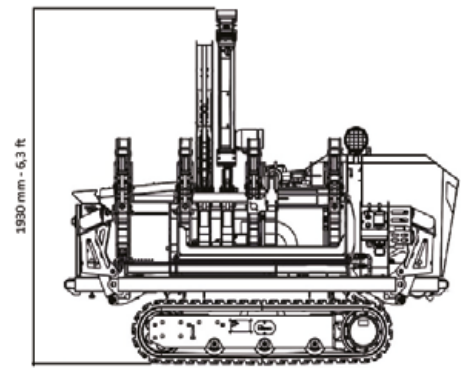
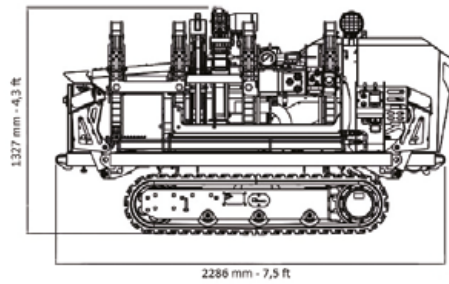
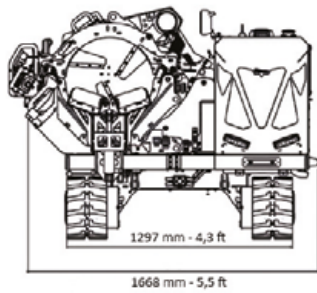
EVERYTHING YOU NEED

The Remedy 500 V1 includes many features that improve on site safety and efficiency

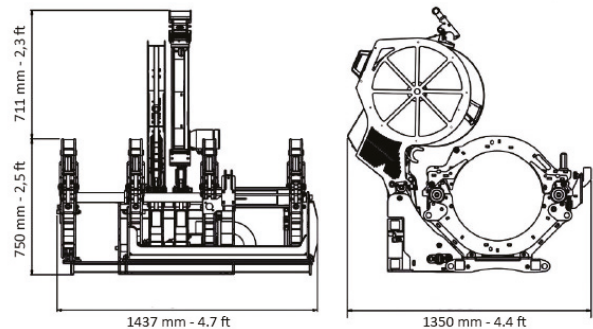
- 1 - Fuel gauge.
- 2 - Easy air filter acces.
- 3 - Spotlights with high intensity LEDs to move the welding machine.
- 4 - Compartment for radio remote control.
- 5 - Easy access to Hydraulic filter for the welding machine.
- 6 - Easy access to hydraulic connections to remove the machine body for in-dich use.
- 7 - Hydraulic Facer with three blades.
- 8 - Check engine oil.
- 9 - USB port for charge mobile/tablet.

www.ritmo.it





TECHNICAL FEATURES



Working range	200 ÷ 500 mm 6" ÷ 20" IPS 6" ÷ 18" DIPS
Materials	HDPE, PP For other materials contact RITMO S.P.A.
On board generator	1123 cc - 17 kW
Emmission compliance	EPA US TIER 4 FINAL, UE STAGE V
Fuel	Diesel
Fuel tank	40 Litres (10.56 gal)
Autonomy	13 Hours
Hourly consumption	max 3.2 Liters (0.84 gal)
Max operator side noise	84 dB
Tracks driving speed	1.5 Km/h or 3 Km/h (0.93 mph or 1.86 mph)
Width of tracks	230 mm (9")
Max operating slope	30%
Max dimensions on site (W x D x H) body machine	1437 x 1350 x 1461 mm 4.7 x 4.4 x 4.8 ft
Max dimensions on site (W x D x H) Remedy 500 standard composition	2286 mm x 1668 mm x 1930 mm 7.5 x 5.5 x 6.3 ft
Max dimensions on shipping (W x D x H)	2286 mm x 1668 mm x 1327 mm 7.5 x 5.5 x 4.3 ft
Weight body machine with facer and heating plate	560 Kg (1234 lb)
Weight Remedy 500 standard composition	1750 Kg (3858 lb)



LARGE DIAMETERS FUSION

REMEDY 1000 is an independent, high-productivity welding machine driven by tracks and powered by a Diesel 3.6-cylinder in-line Turbo-Common Rail on-board generator. Designed for butt-welding HDPE and PP pipes from Ø 355 mm to 1000 mm (14" IPS ÷ 36" DIPS).

Suitable for ISO 21307 High Pressure and ASTM F2620 fusion standards.

**HIGH
PRODUCTIVITY**

**TECHNICALLY
ADVANCED**

**3.6 CC
DIESEL ENGINE
TURBO COMMON RAIL**

REMEDY 1000

A COMPLETE SOLUTION



VERSATILE

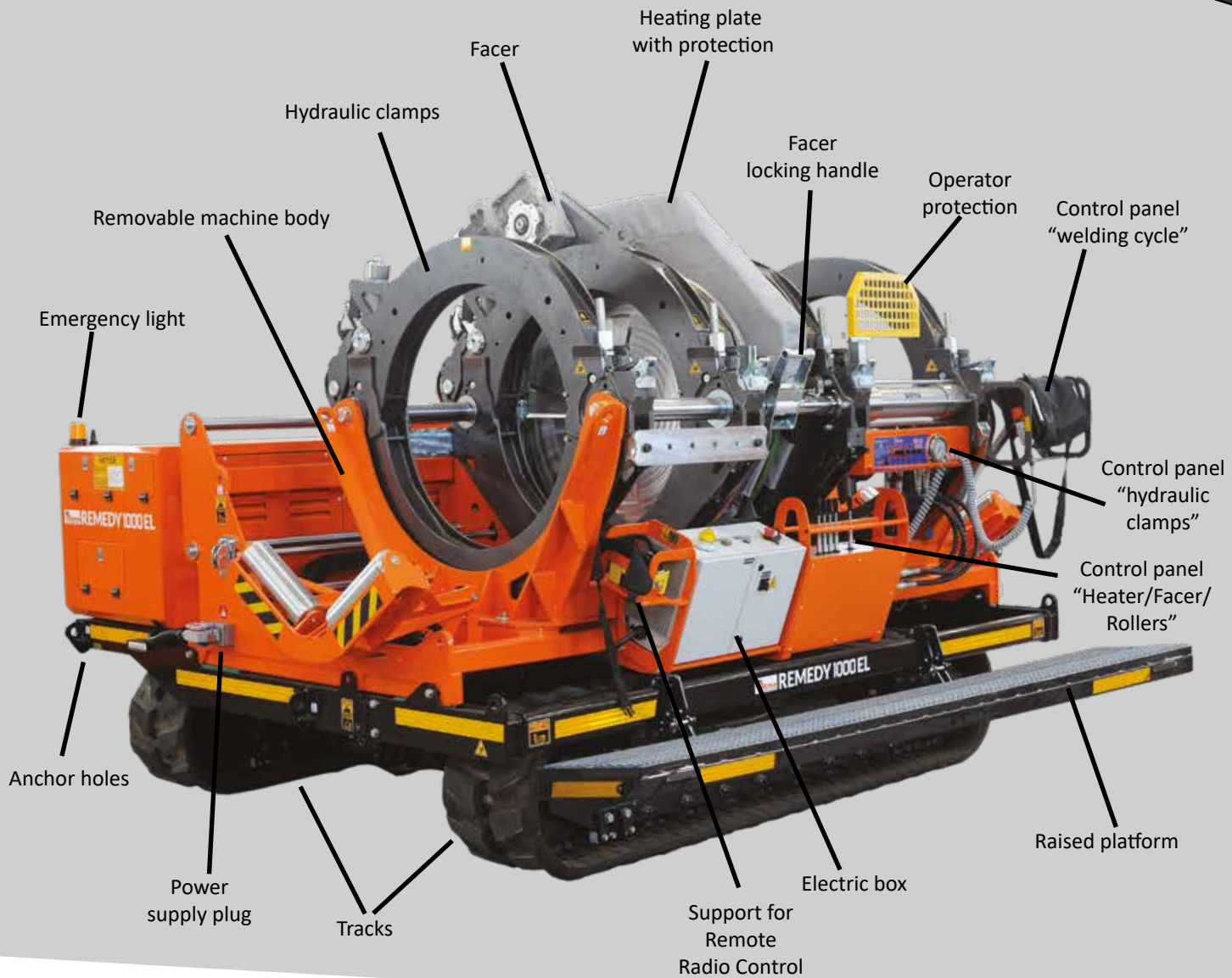
- Working range mm from Ø 355 mm to 1000 mm
- Working range inches from Ø 14" IPS to 36"DIPS
- Materials: HDPE, PP
- All Terrain welding machine
- Drives over 35% slopes
- In-ditch use friendly
- Controlled welding cycle up to 12 m - 40 ft
- Self-contained Generator on-board
- Heater/Facer on-board
- Insert - Fast-locking system
- Removable welding panel

ACCURATE

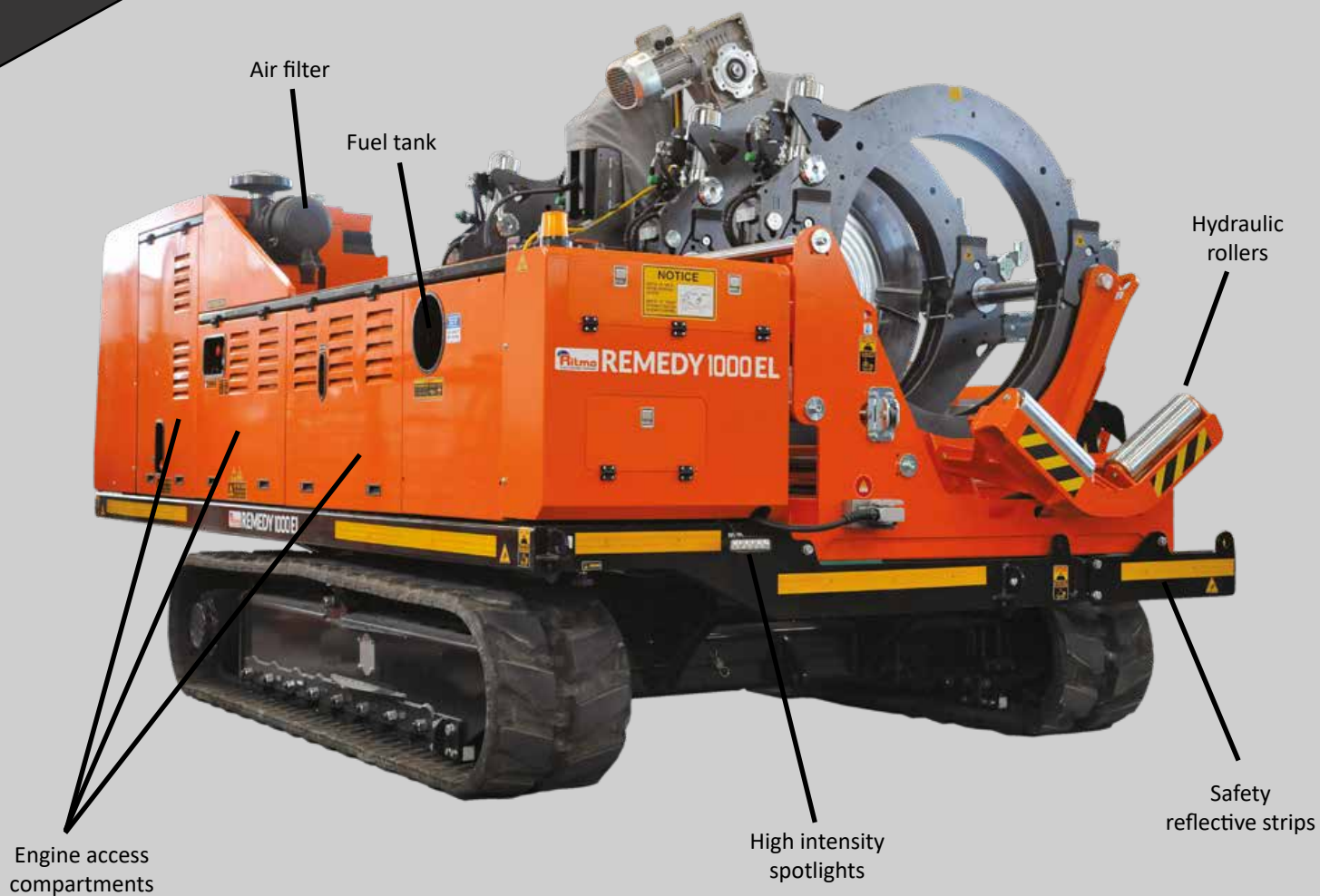
- Designed to weld according to: ISO 21307 High Pressure ASTM F2620 standards
- Welds fittings/easy set
- Spotlights on welding area
- Heating plate with a high temperature resistant casing

COMPLETE

- Self-propelled on track
- Hydraulic clamps
- Heating plate with hydraulic movement
- Facer with hydraulic movement
- Hydraulic side rollers
- Raised working position
- Remote control track up to 100 m
- Intuitive control panels
- Facer with safety microswitch
- Auxiliary power plug 230 V



**TRANSPORT
BY TRUCK**



www.ritmo.it



THE SAFETY ZONE

PERFECT OVER ALL

Facer and Heating plate can be moved out of the clamping area



MANUAL FUSION WELDING CONTROLS

FREE TO CONTROL

Remedy 1000 is available with Manual Welding Control System.

Intuitive control panel allow an easy management of the welding cycle and every phase is manually controlled. Operator experience is fundamental.





RADIO REMOTE CONTROL

WIRELESS

The wireless control allows the operator to always move the welding machine safely and guarantees better management even during the positioning phases.



REMOVABLE CARRIAGE FOR TIGHT INSTALLATIONS



CONTAINER SHIPPING FLEXIBILITY

TRUCK'S DISTANCE

Is the size of a welding machine always a problem when shipping or when moving by container?
Now no longer. It only takes a few minutes to hydraulically restrain the width of the REMEDY 1000 EL tracks up to 222 cm (87.4"). This allows for better flexibility in shipping the welding machine.



Before



from 278 cm to 222 cm

from 100.3" to 87.4"



After





EASY MAINTENANCE FAST SOLUTION

SAVE TIME - SAVE MONEY

Easy access to periodic maintenance compartments. Cleaning the air filter, checking fuses, radiator cleaning and routine checks are quick and easy to perform.



EXTRA DETAILS

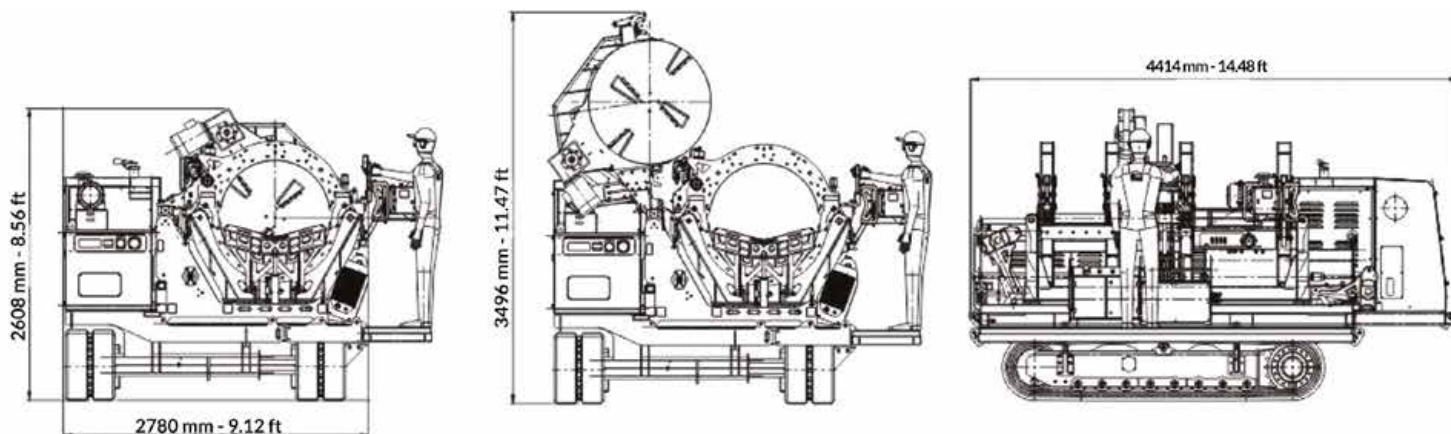
THE PERFECT JOBSITE

EVERYTHING YOU NEED

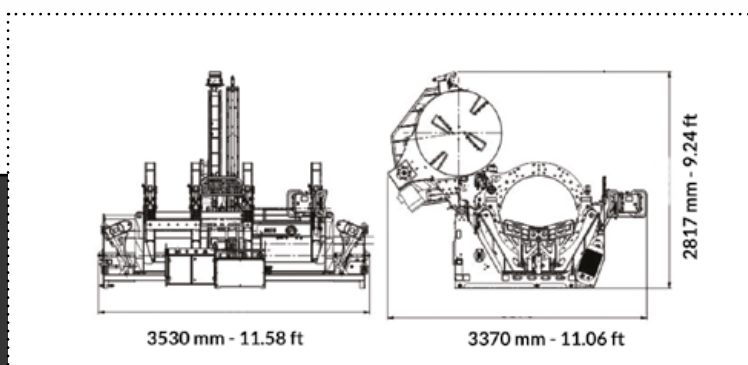
Remedy 1000 has a number of small measures that improve efficiency on site.

- 1 - Digital display with hour counter, fuel percentage on board, engine rpm management during movement with settings between 1200 and 2300 rpm.
- 2 - Large compartment for refueling.
- 3 - Spotlights with high intensity LEDs: lighting of the welding area and spotlights for moving the welding machine.
- 4 - Auxiliary hydraulic couplings to control an external hydraulic unit.
- 5 - 6 The levels of the hydraulic circuits can be easily consulted.
- 7 - Storage compartment
- 8 - Socket to power the machine body of the welding machine with an external generator.
- 9 - 230 V single-phase socket to power a tool or a battery charger.





TECHNICAL FEATURES



Working range	355 ÷ 1000 mm; 14" IPS ÷ 36" DIPS
Materials	HDPE, PP For other materials contact RITMO S.P.A.
On board generator	3600 cc - 85 kW 2300 rpm
Range speed diesel engine (no welding mode)	from 1200 rpm to 2300 rpm
Emmission compliance	EPA US TIER 4 FINAL, UE STAGE V
Fuel	Diesel
Fuel tank	160 Litres (42.2 gal)
Autonomy min.	10,5 Hours
Hourly consumption	max 15 Litres (3.9 gal)
Max absorption*	32000 W
Power supply *	400 V Three Phase 50/60 Hz
Max operator side noise	79 dB (engine 2300 rpm)
Tracks driving speed	1.5 Km/h or 4,5 Km/h (0.93 mph or 2.79 mph)
Length of tracks	450 mm (17.7")
Max operating slope	35%
Body machine sizes Max dimensions on site (H x W x D)	2817 x 3530 x 3370 mm 9.2 x 11.5 x 11 ft
Body machine + tracks, platform max dimensions on site (H x W x D)	3496 x 4414 x 2780 mm 11.4 x 14.5 x 9.4 ft
Tracks dimensions Min. (H x W x D)	2159 x 4414 x 2220 mm 7 x 14.5 x 7,2 ft
Weight tracks and generator	5500 Kg (12.125 lb)
Total weight of the machine at standard composition	9300 Kg (20.500 lb)

* The welding machine is independent, has a generator on board and does not require an external power supply. However, it is possible to connect an external generator to the machine body only. Recommended power 42000 W.



RITMO S.P.A

Via A Volta, 35/37 - Bressio di Teolo (Padova) Italy

Ph. + 39 049 9901888 Fax +39 049 9901993 - info@ritmo.it - www.ritmo.it