



REMEDY LINE HIGH PERFORMANCE FUSION



QUALITY ASSURED

LARGE MEDIUM SMALL

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%.



MANUAL FUSION WELDING CONTROLS

According to:
ISO 21307 High Pressure
ASTM F2620 Standards

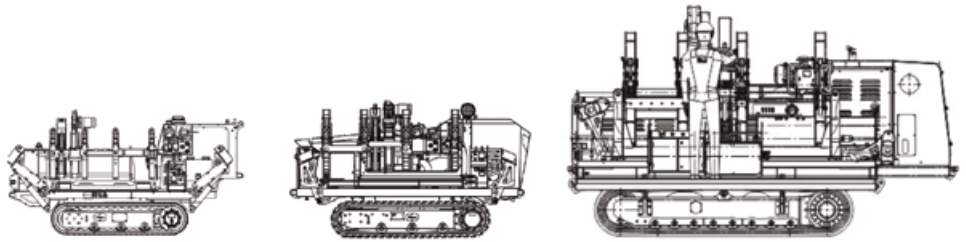
TOTAL CONTROL

Remedy 355, Remedy 500 V1, and Remedy 1000 are available with Manual Welding Control System:

- Intuitive control panel allow an easy management of the welding cycle and every phase is manually controlled.
- If you need quality assurance during the welding process, the data-logging Inspector 2.0 is available (on request) to validate and document on-site operations with precision, ease, and professionalism.

Available for models:

REMEDY 355
REMEDY 500 V1
REMEDY 1000



REMEDY 500 V1



REMEDY 355



REMEDY 1000

FA CNC FUSION SYSTEM

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

HOW DOES IT WORK

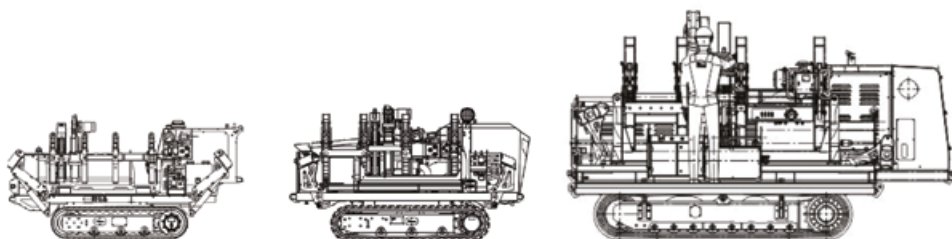
FA: Fully Automatic. Hardware and Software have been developed to interact to each other sharing data during the entire workflow. Once set the pipe data and welding standard up, the system guarantees the repetition of the welding cycles, avoiding errors. In the exchange phase, the CNC system automatically 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
- 6 - MANAGEMENT WITH THE TABLET
AND ACCESS TO ORANGECLOUD

Available for models:

REMEDY 355 FA
REMEDY 500 V1 FA
REMEDY 1000 FA



REMEDY 500 V1 FA

POWERFUL WELD DATA COLLECTION

FOR
MANUAL
MODELS

INSPECTOR 2.0: ADVANCED DATA-LOGGING SOLUTION

Certify Your Construction Site Welding Quality with Ritmo's Next-Generation Technology.

Inspector 2.0 is the new powerful DataLogging system for welding data recording with an intuitive graphical interface for easy use and review.



ASSURANCE ON YOUR JOBSITE

- Real-time pressure and time monitoring with continuous visual feedback
- Ruggedized 7" tablet with IP67 protection
- According to ASTM F3124 specifications
- GPS location tracking and Jobsite information
- Operator identification and Equipment details
- Data capture beyond standard parameters
- Reserved area Orangecloud
- Pressure record:
 - up to 160 Bar - 2175 psi Standard available for Remedy 355 and Remedy 500
 - up to 250 Bar - 3670 psi on request for Remedy 1000

Full compatibility with Ritmo's hydraulic welding machines (Remedy, Basic, Delta) or other brands.



Suitcase contents with optional accessory for pressures up to 250 Bar - 3670 psi

CLOUD

WWW.ORANGECLLOUD.RITMO.IT



**FOR
ALL
MODELS**

Transform Your Jobsite Data Organization

Orangedcloud is Ritmo's innovative service designed to meet the increasing demands for accountability and documentation in the construction industry. This powerful platform revolutionizes how you archive, access, and share critical worksite information.

KEY CAPABILITIES:

- Secure cloud-based storage for all project documentation
- Structured organization of essential data including:
Construction site details - Welding machine identification and serial numbers - Operator credentials
- Comprehensive welding charts and parameters

ENHANCED SECURITY & COLLABORATION:

- Customizable permission settings for controlled information access
- Confidential data protection with robust security protocols
- Streamlined information sharing across teams and stakeholders

BUSINESS BENEFITS:

- Improved process traceability throughout project lifecycle
- Enhanced team collaboration and communication
- Simplified compliance documentation
- Centralized management of critical operational data

1 - RECORD

2 - ARCHIVE

3 - DELIVER

4 - ANALYSIS

Name	Model	Welder	Welding Time	Operator	Weld	Welding Chart	Welding Parameters
WEL_001_00000000000000000000	WEL	WEL_001_00000000000000000000	WEL_001_00000000000000000000	WEL_001_00000000000000000000	WEL_001_00000000000000000000	WEL_001_00000000000000000000	WEL_001_00000000000000000000
WEL_002_00000000000000000000	WEL	WEL_002_00000000000000000000	WEL_002_00000000000000000000	WEL_002_00000000000000000000	WEL_002_00000000000000000000	WEL_002_00000000000000000000	WEL_002_00000000000000000000
WEL_003_00000000000000000000	WEL	WEL_003_00000000000000000000	WEL_003_00000000000000000000	WEL_003_00000000000000000000	WEL_003_00000000000000000000	WEL_003_00000000000000000000	WEL_003_00000000000000000000
WEL_004_00000000000000000000	WEL	WEL_004_00000000000000000000	WEL_004_00000000000000000000	WEL_004_00000000000000000000	WEL_004_00000000000000000000	WEL_004_00000000000000000000	WEL_004_00000000000000000000
WEL_005_00000000000000000000	WEL	WEL_005_00000000000000000000	WEL_005_00000000000000000000	WEL_005_00000000000000000000	WEL_005_00000000000000000000	WEL_005_00000000000000000000	WEL_005_00000000000000000000
WEL_006_00000000000000000000	WEL	WEL_006_00000000000000000000	WEL_006_00000000000000000000	WEL_006_00000000000000000000	WEL_006_00000000000000000000	WEL_006_00000000000000000000	WEL_006_00000000000000000000
WEL_007_00000000000000000000	WEL	WEL_007_00000000000000000000	WEL_007_00000000000000000000	WEL_007_00000000000000000000	WEL_007_00000000000000000000	WEL_007_00000000000000000000	WEL_007_00000000000000000000
WEL_008_00000000000000000000	WEL	WEL_008_00000000000000000000	WEL_008_00000000000000000000	WEL_008_00000000000000000000	WEL_008_00000000000000000000	WEL_008_00000000000000000000	WEL_008_00000000000000000000
WEL_009_00000000000000000000	WEL	WEL_009_00000000000000000000	WEL_009_00000000000000000000	WEL_009_00000000000000000000	WEL_009_00000000000000000000	WEL_009_00000000000000000000	WEL_009_00000000000000000000
WEL_010_00000000000000000000	WEL	WEL_010_00000000000000000000	WEL_010_00000000000000000000	WEL_010_00000000000000000000	WEL_010_00000000000000000000	WEL_010_00000000000000000000	WEL_010_00000000000000000000

Cloud area - www.orangedcloud.ritmo.it



Report - www.orangedcloud.ritmo.it





REMEDY 355

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). REMEDY 355 is available with Manual Welding Cycle suitable for ISO 21307 High Pressure and ASTM F2620 fusion standards or FA with CNC Welding Cycle for ISO 21307 Low Pressure; GIS; DVS.

**HIGH
PRODUCTIVITY**

INDEPENDENT

**DIESEL ENGINE
ON-BOARD
GENERATOR**



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

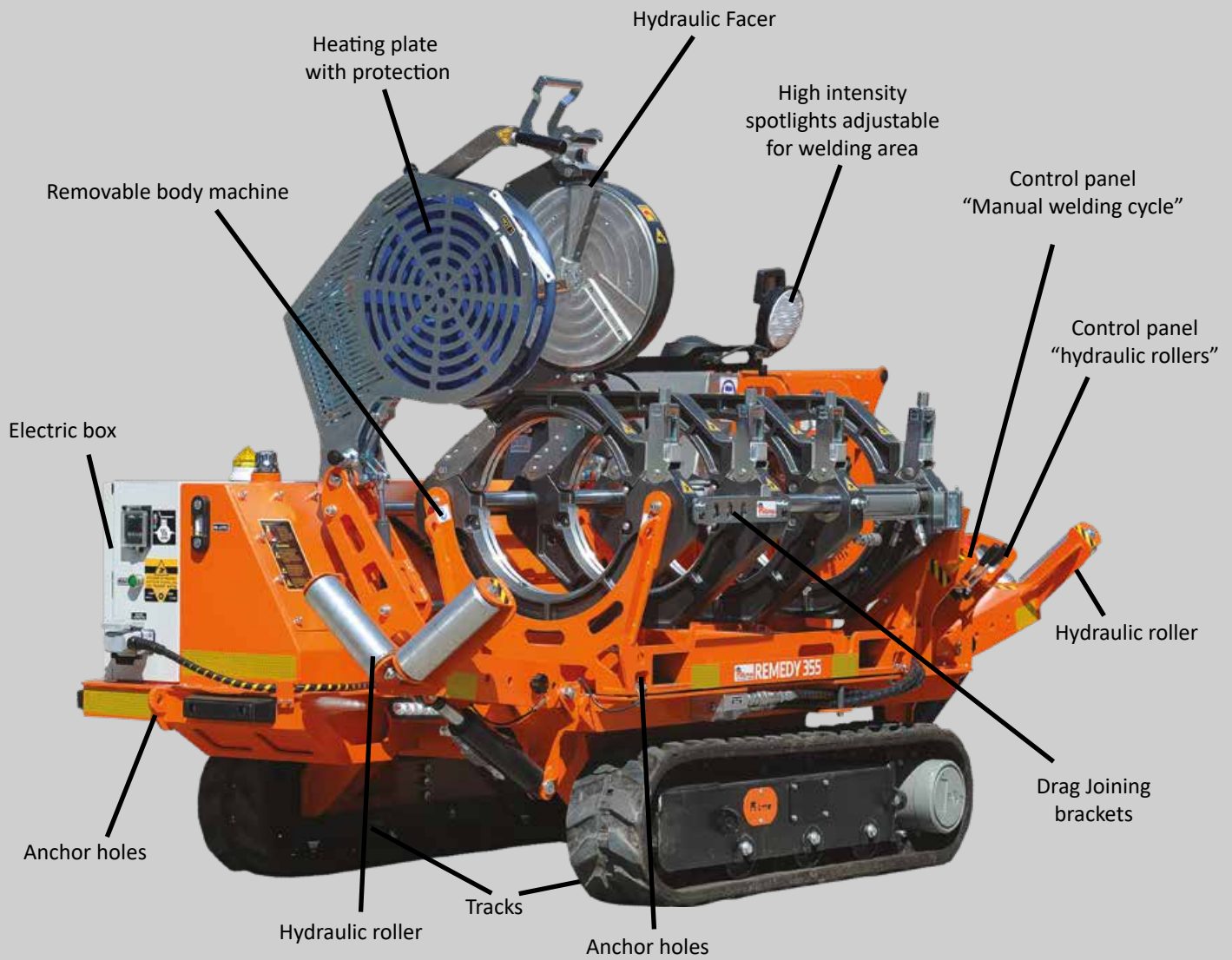
ACCURATE

- 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

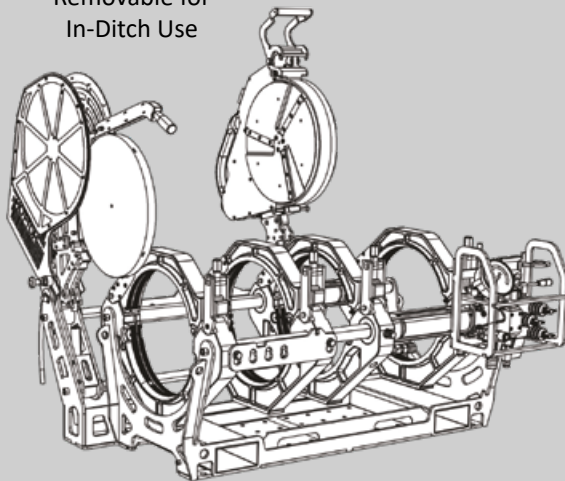
COMPLETE

- 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
- *Data-logging with GPS traceability, Pre-set customized welding cycles, Shared Report

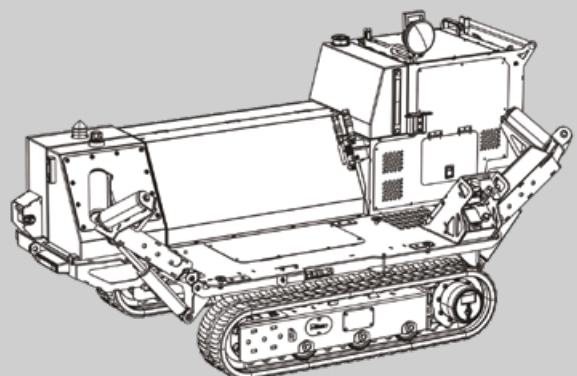
* REMEDY 355 FA included;
REMEDY 355 on request

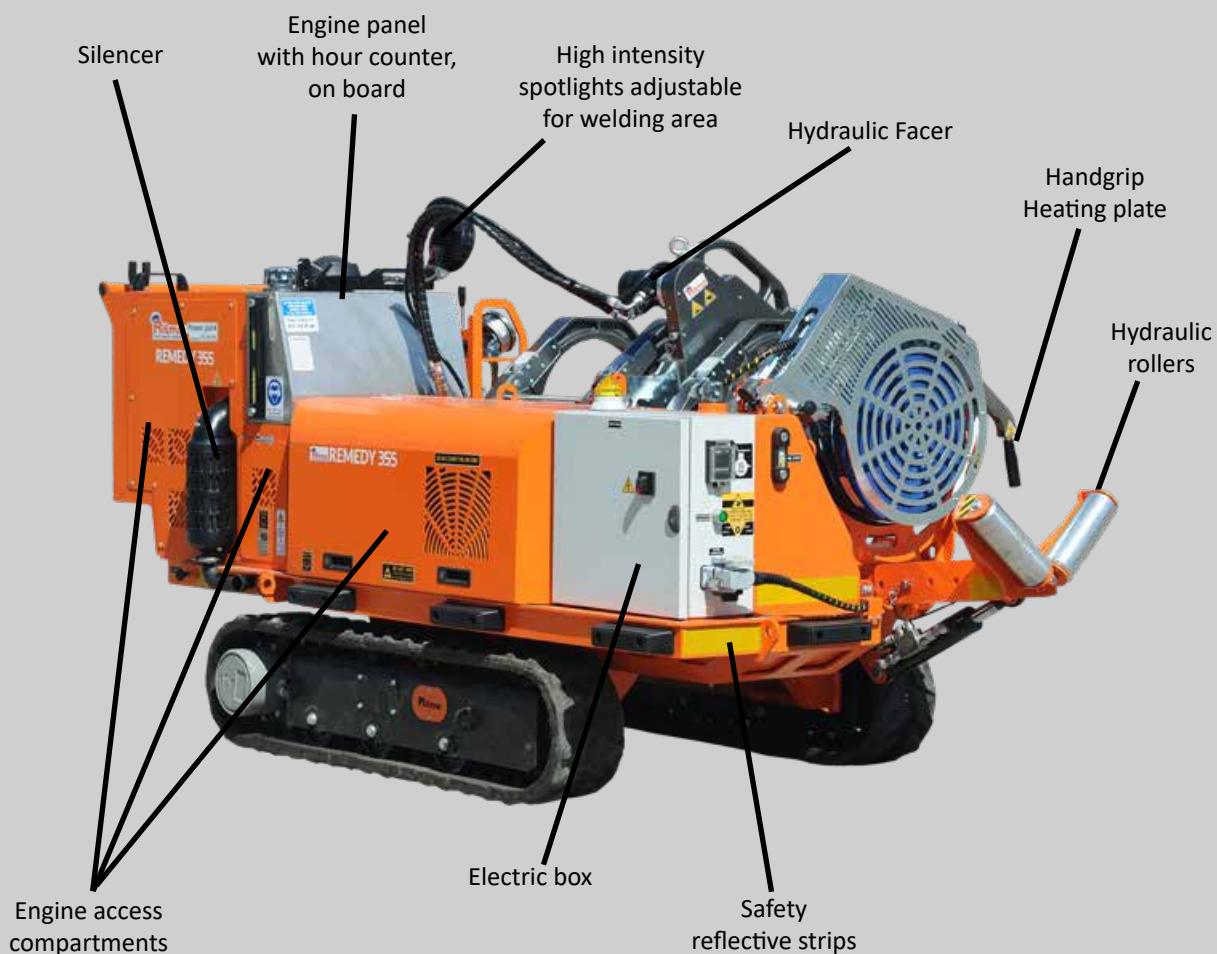


Machine Carriage Easily Removable for In-Ditch Use



Tracks along with an On-Board Generator





Remedy 355



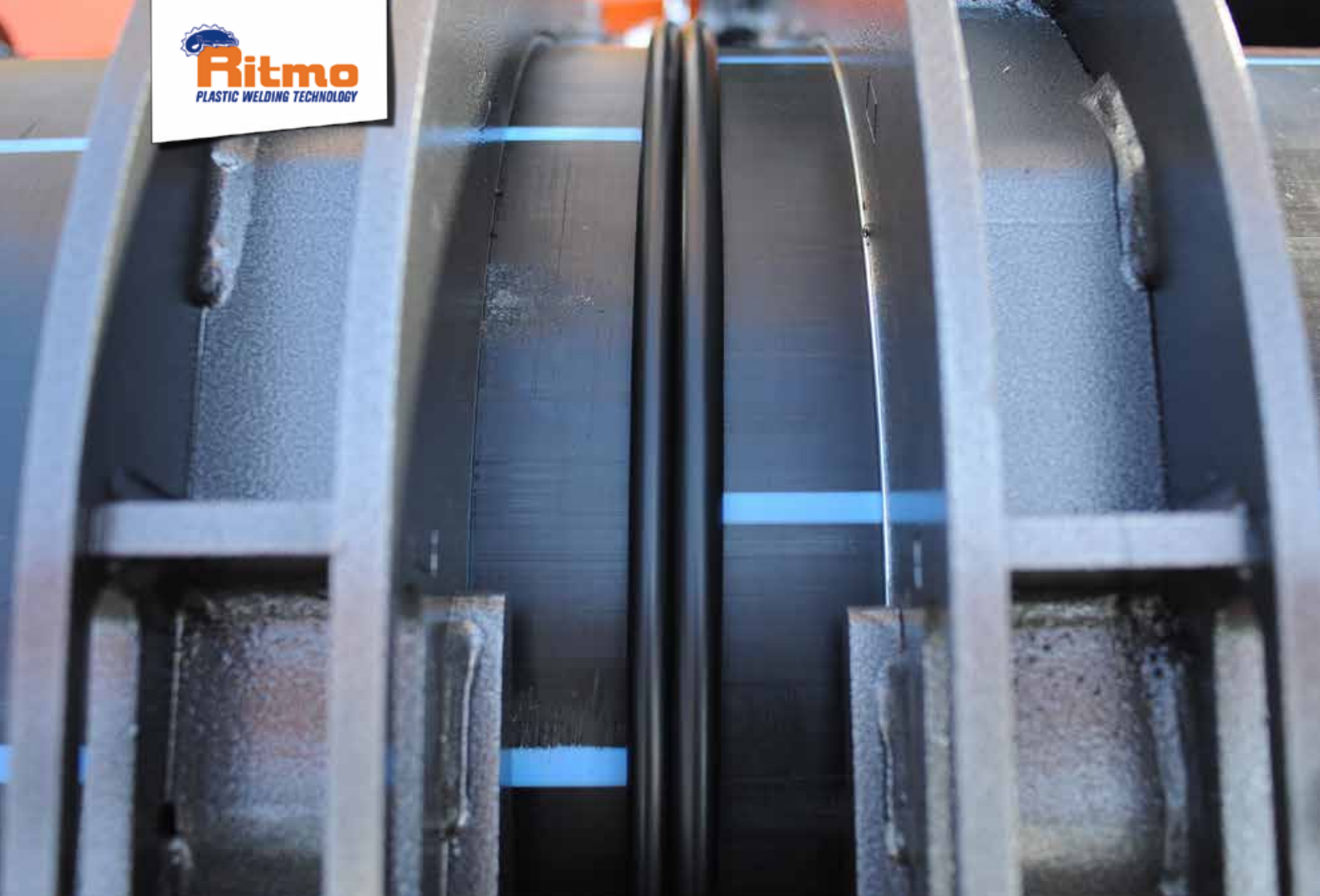
REMEDY 355

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



REMEDY 355 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



MANUAL MOVEMENT CONTROLS

EASY TO USE

- Remedy 355 is moved manually using intuitive controls located on the panel. The operator advances tracked welding machine using specific guide levers.
- The side hydraulic rollers are lifted using a control panel with levers.



OUTDOOR USE ONLY

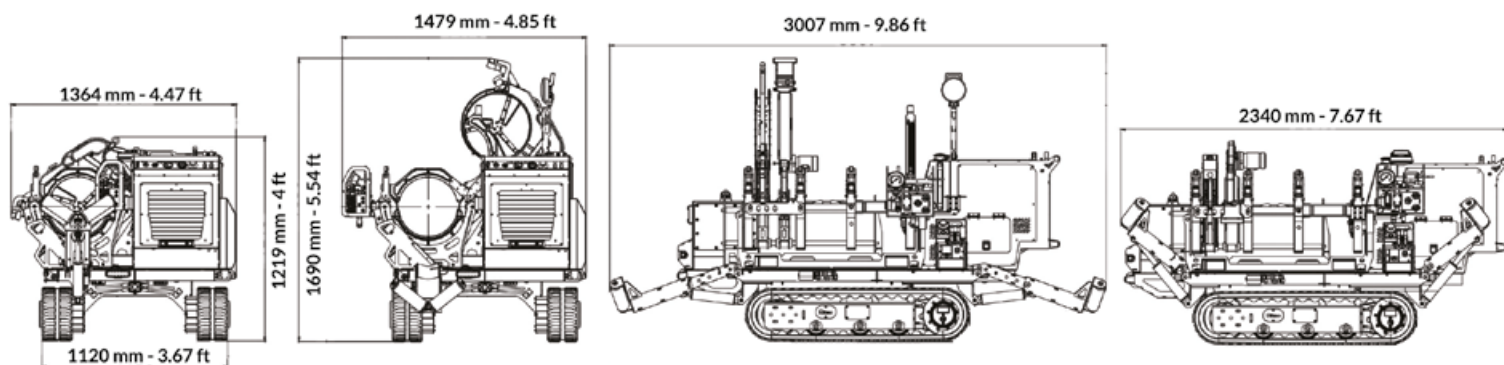
OFF **TURN THE STARTER BACK TO "OFF" WHEN NOT OPERATING**

THROTTLE

REMEDY

Ritmo
PLASTIC WELDING TECHNOLOGY

REMEDY 355



TECHNICAL FEATURES

REMEDY 355

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)



REMEDY 500 V1

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 for ISO 21307 Low Pressure; 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

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



MANUAL MOVEMENT CONTROLS

EASY TO USE

The side hydraulic rollers are lifted using a control panel with levers.

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

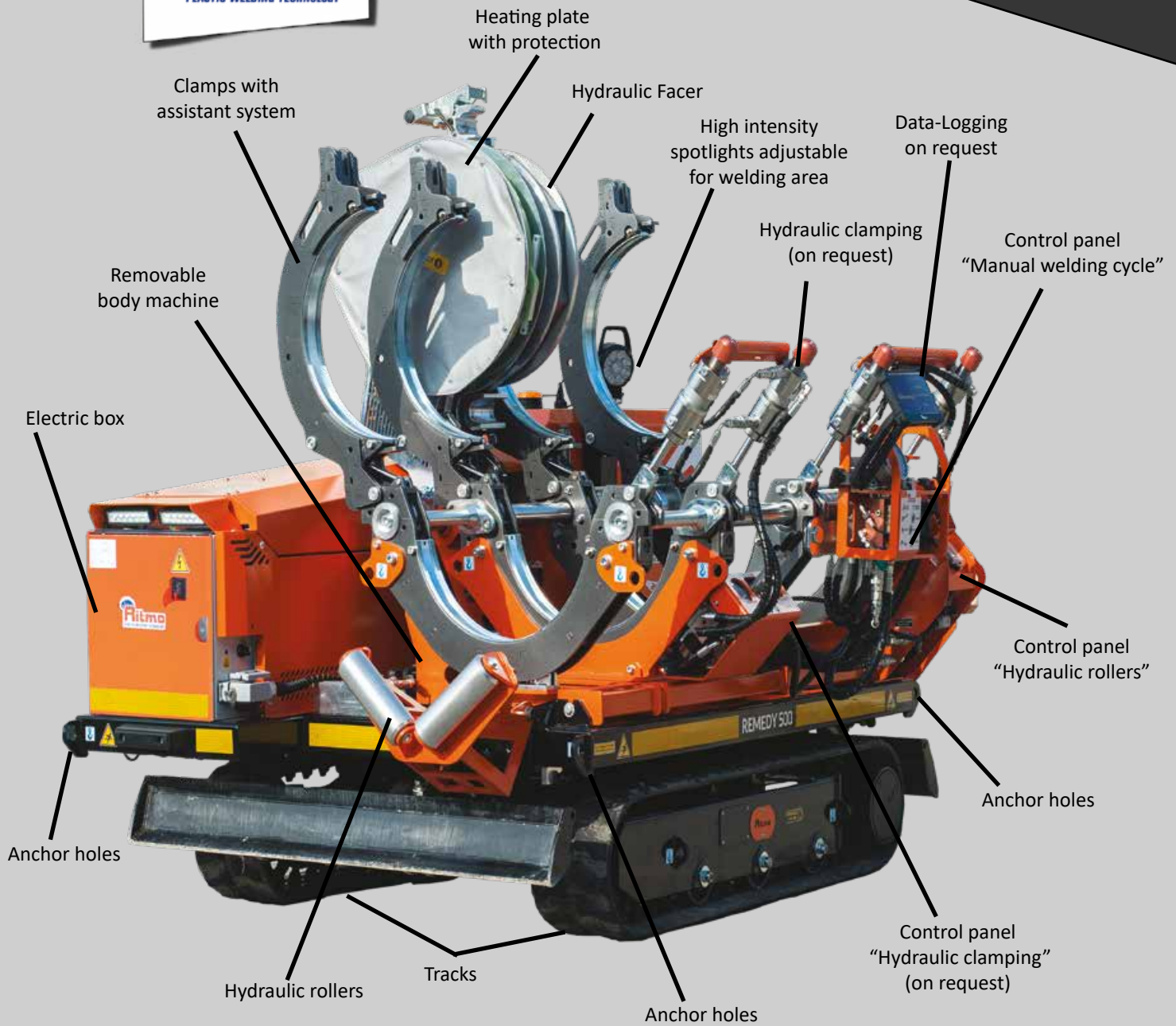
ACCURATE

- 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

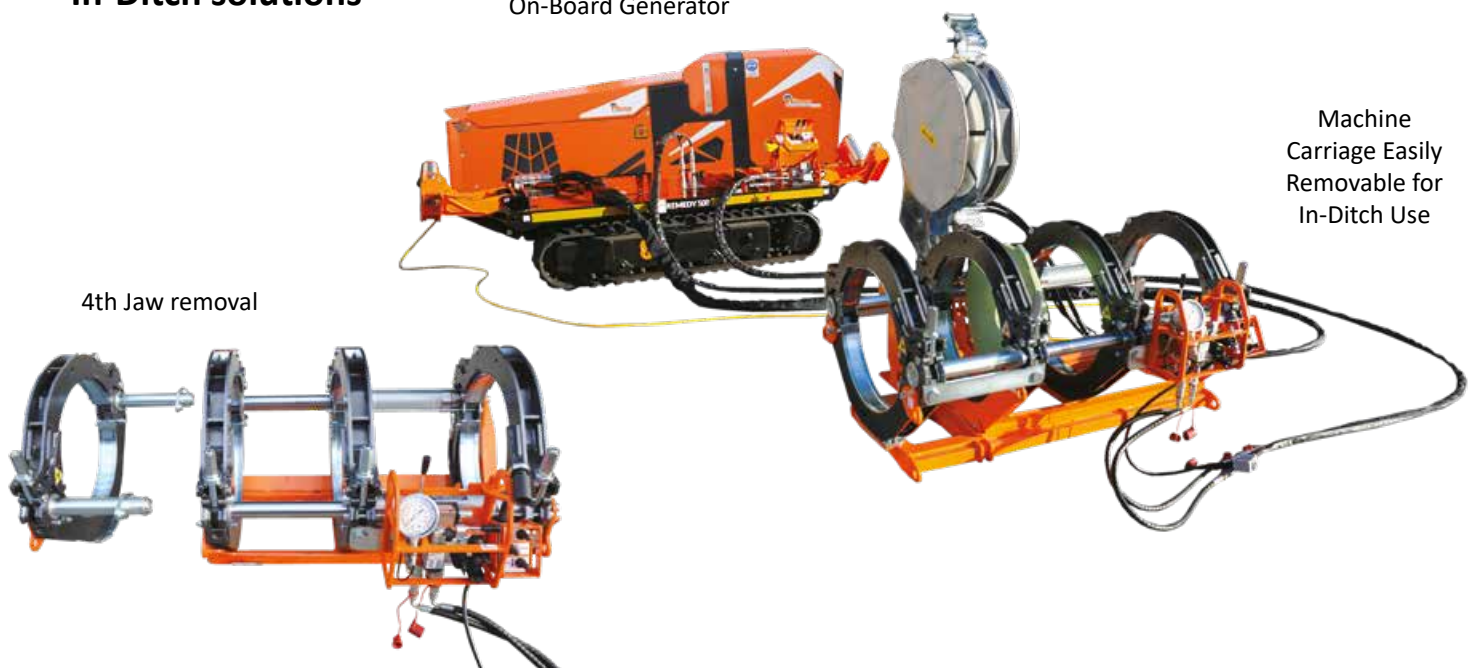
- Self-propelled on track
- Patented System to open/close clamps
- Heating plate with hydraulic movement
- Facer with hydraulic movement
- Hydraulic side rollers
- Facer with safety microswitch
- Self-contained generator on-board
- Heater/facer on-board
- *Data-logging with GPS traceability, Pre-set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

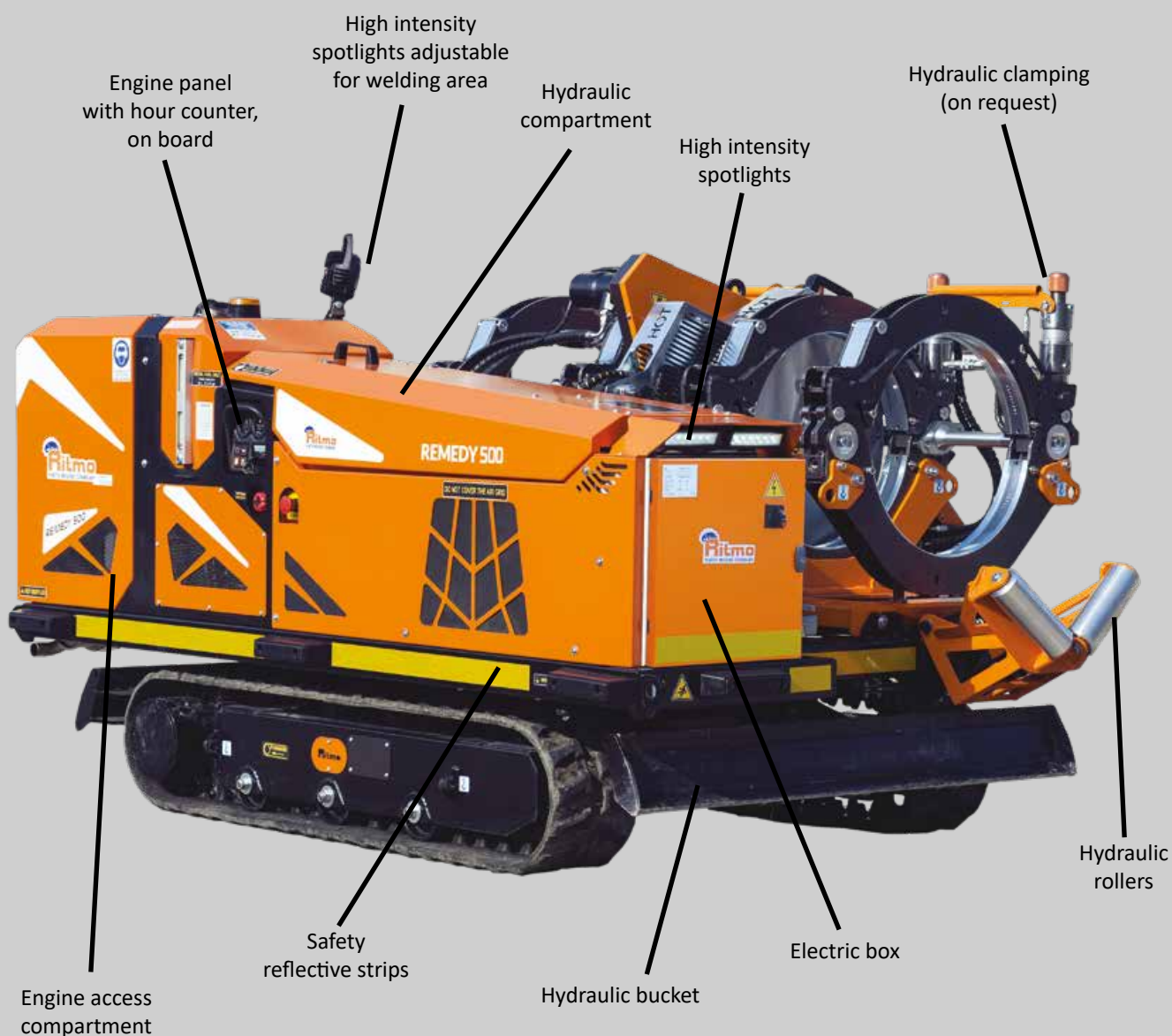
* REMEDY 500 V1 FA included;
REMEDY 500 V1 on request



In-Ditch solutions

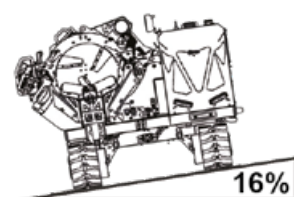
Tracks along with an On-Board Generator



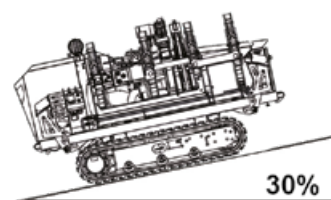


Remedy 500 V1

PERFORMANCE IN ALL TERRAIN



16%



30%



EASILY TRANSPORTED

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

RADIO REMOTE CONTROL

WIRELESS

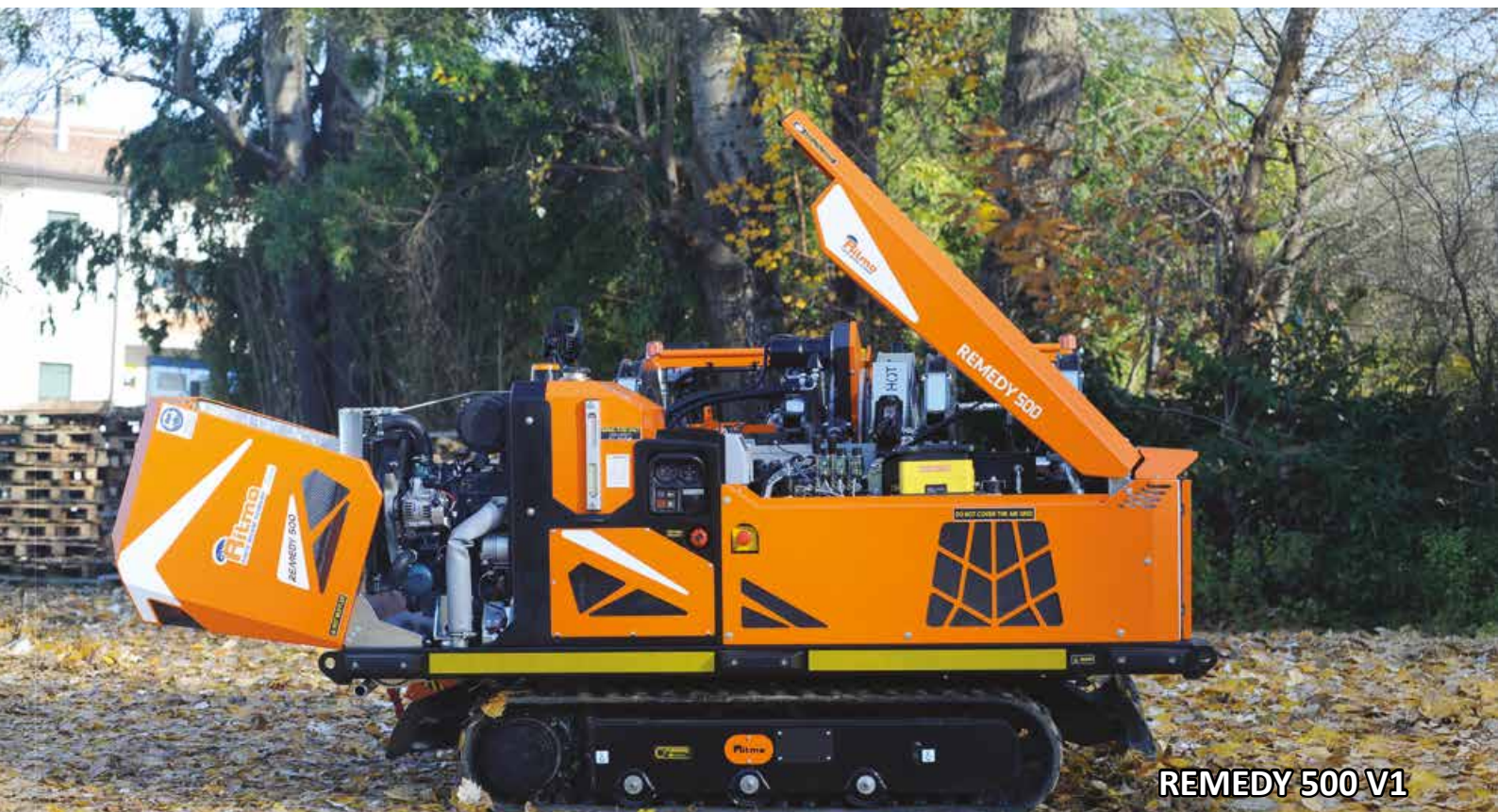
The wireless control allows the operator to always move the tracked welding machine safely and guarantees better management during the positioning.



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



REMEDY 500 V1

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 (with Manual Welding Cycle) 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.



Control panel



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

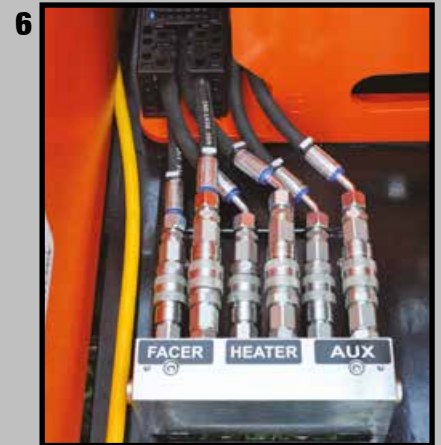
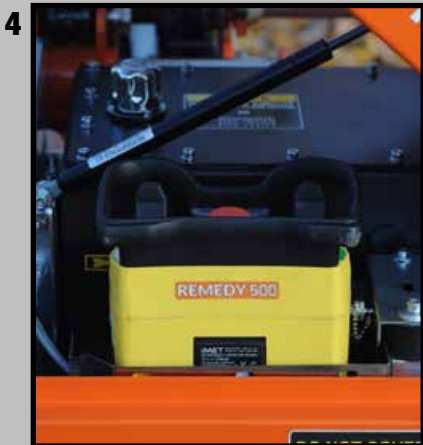
The winch installed on the hydraulic roller bed greatly facilitates the loading of the pipe into the welding machine, eliminating the need to use an additional vehicle for its dragging.

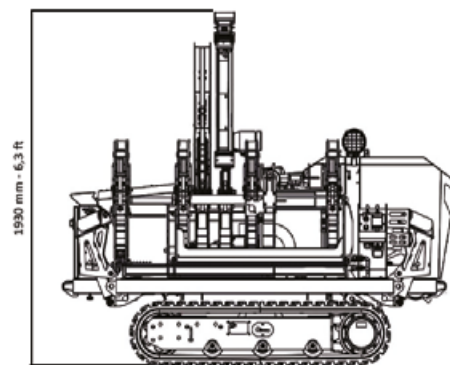
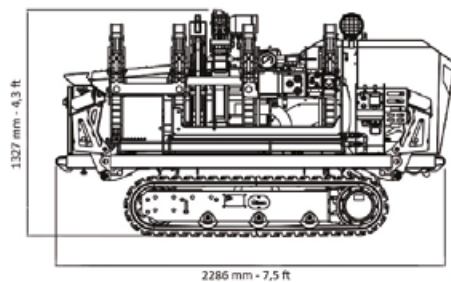
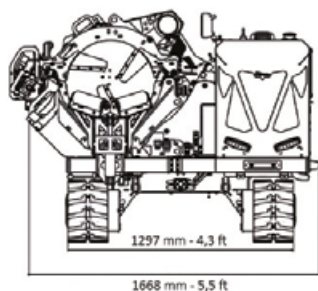
EXTRA DETAILS TO THE PERFECT JOB

EVERYTHING YOU NEED

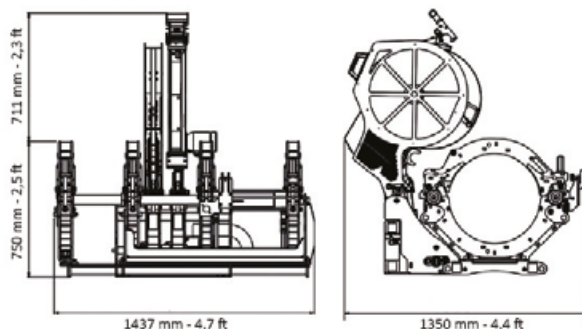
The Remedy 500 V1 includes many features that improve on site safety and efficiency

- 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.





TECHNICAL FEATURES



REMEDY 500 V1

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)



REMEDY 1000

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). REMEDY 1000 is available with Manual Welding Cycle suitable for ISO 21307 High Pressure and ASTM F2620 fusion standards or FA with CNC Welding Cycle for ISO 21307 Low Pressure; GIS; WIS; DVS.

**HIGH
PRODUCTIVITY**

**TECHNICALLY
ADVANCED**

**3.6 CC
DIESEL ENGINE
TURBO COMMON RAIL**

A COMPLETE SOLUTION

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.



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
- Removable welding panel

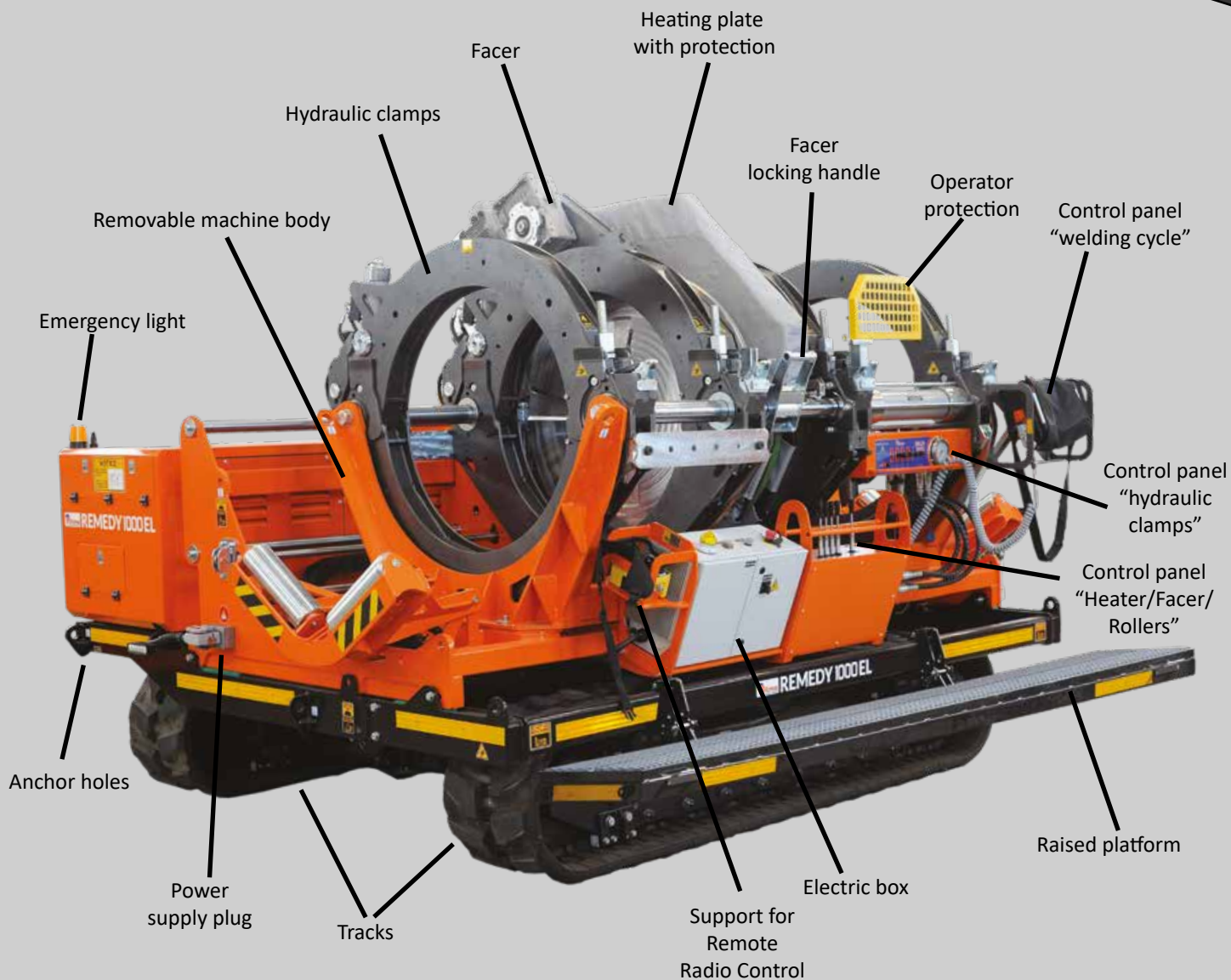
ACCURATE

- Welds fittings/easy set
- Spotlights on welding area
- Heating plate with a high temperature resistant casing
- Insert fast-locking system
- Intuitive control panels
- Remote control track up to 100 m

COMPLETE

- Self-propelled on track
- Hydraulic clamps
- Heating plate with hydraulic movement
- Facer with hydraulic movement
- Hydraulic side rollers
- Raised working position
- Facer with safety microswitch
- Auxiliary power plug 230 V
- *Data-logging with GPS traceability, Pre-set customized welding cycles, Shared Report

*REMEDY 1000 FA included;
REMEDY 1000 on request



REMEDY 1000

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



REMEDY 1000 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



Remedy 1000

THE SAFETY ZONE

PERFECT OVER ALL

Facer and heating plate can be moved out of the clamping area.





**TRANSPORT
BY TRUCK**

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 tracks up to 222 cm (87.4"). This allows for better flexibility in shipping the welding machine.



from 278 cm to 222 cm
from 100.3" to 87.4"





REMOVABLE CARRIAGE FOR TIGHT INSTALLATIONS



MANUAL MOVEMENT CONTROLS

EASY TO USE

- Remedy 1000 is equipped with control panel for the hydraulic operation of the heating plate and milling cutter, opening and closing carriage, featuring convenient levers and intuitive icons.
- The side hydraulic rollers are lifted using a control panel with levers.





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.



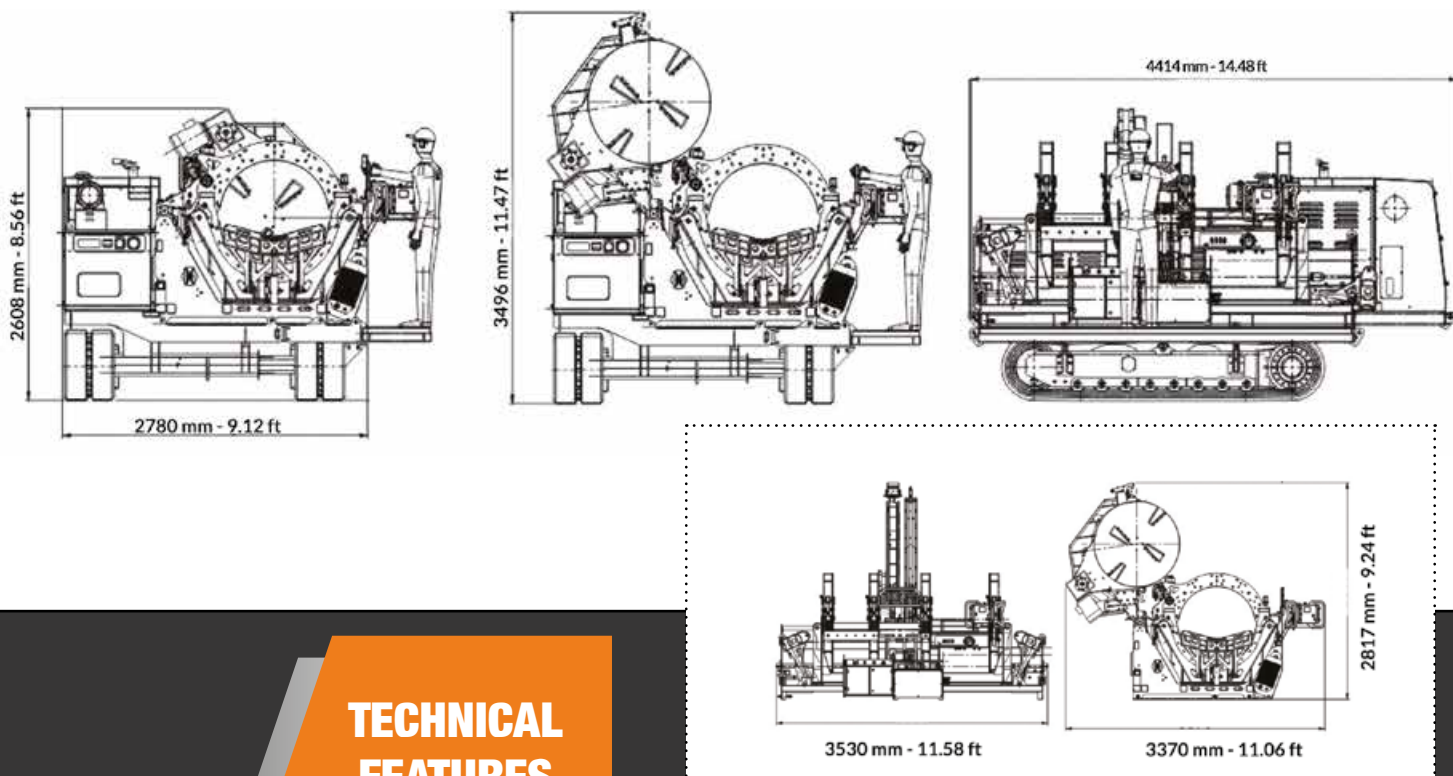
EXTRA DETAILS TO THE PERFECT JOB

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 and 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

REMEDY 1000

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.



ROLLERS REMEDY

EASY LOADING PIPE

These devices are essential for supporting the pipes while they are being welded with the butt fusion machines. The rollers minimize pipe friction and drag force no matter which is the job site condition.

ROLLER REMEDY 355 - 500 4 - 20 PIPE STANDS

Working range: $\varnothing$ 125 ÷ 500 mm (4" IPS ÷ 20" IPS)
Weight: 72,6 Kg (160,06 lb)
Weight capacity: 1700 Kg (3748 lb)

ROLLER REMEDY 1000 14 - 36 PIPE STAND

Working range: $\varnothing$ 355 ÷ 1000 mm
(14" IPS ÷ 36" IPS)
Weight: 490 Kg (1.080,27 lb)
Weight capacity: 4500 Kg (9900 lb)

ROLLER REMEDY 1000 LIGHT 14 - 36 PIPE STAND LIGHT

Working range: $\varnothing$ 355 ÷ 1000 mm (14" IPS ÷ 36" IPS)
Weight: 130 Kg (287 lb)
Weight capacity: 2000 Kg (4400 lb)





RITMO S.P.A

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