



# ELEKTRA XL

SIZE RANGE: 20 - 1600 MM

BY RITMO



Ultimate Solutions.  
Intelligent Delivery.



## ● FEATURES

- Technical assistance offered before sale and after sale
- Servicing of all machines done here in NZ by UPG. No requirements to send your machine offshore or deal with a subcontractor for repairs
- Common parts for repairs stocked in NZ for a quick turnaround
- Extensive associated product range for all welding equipment
- High resistance technopolymer shell
- "Defender" protection system against dust and rain complete of removable filter
- Lifting handle and cable wrapping
- Built-in memory of 4000 welding report
- Download the welding report to USB in PDF, CSV, BIN format. For the BIN format it is necessary to purchase the RITMO transfer software. The USB port is also used to upgrade the welding machine firmware.
- 2.4" LCD Graphic display
- Intuitive control panel with the possibility to customise the menu in 20 different languages
- 90° universal connectors 4.0 - 4.7mm, no need for adapters
- Laser scanner in order to read the EF fitting barcode and to set automatically the welding parameters according to the ISO 13950. The laser technology of the scanner enhances the reading quality in case of severe light reflections or contrasts. It is also possible to enter both the welding parameters (Voltage/Time) and the welding barcode digits manually.



MACHINE BODY

## ● ABOUT

ELEKTRA XL is a universal electrofusion machine characterised by high performance and reduced weight. The welding machine has been designed to weld EF fittings up to OD 1600\* mm for PE, PP, PP-R high pressure pipelines. It is available in two different EF fitting ranges: 8 - 48 V or 8 - 80 V.

- Traceability: ISO 12176-3 Operator traceability; ISO 12176-4 Fitting/ pipe traceability
- In-built GPS device (on request)

## ● STANDARD COMPOSITION



**90° UNIVERSAL CONNECTORS**  
4.0-4.7MM



**LASER SCANNER**



**MANUAL SCRAPER**

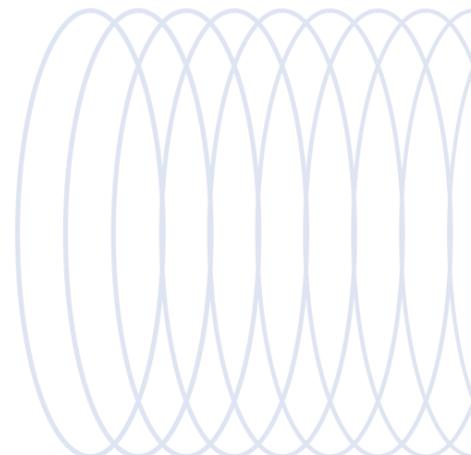


**CARRY CASE**

## ● ON REQUEST



**SOFTWARE RITMO TRANSFER**



## TECHNICAL FEATURES

MODEL	ELEKTRA XL
Working range *	20 - 1600 mm
Materials	PE, PP, PP-R
Welding output voltage	8 - 48 V or 8 - 80 V
Power supply	230 V $\pm$ 15% Single Phase 50/60 Hz 15 Amp plug
Absorbed power **	3500 W (230 V)
Max. output current	120 A (230 V)
60% Duty Cycle output ISO 12176-2	95 A
Operating mode	ISO 13950 welding barcode Manual (barcode digits, tension/time)
Connections	USB port for the pen drive and for the ESC-POS printer
Memory	4000 welding report
Ambient temperature	-20° - 50° C
T° probe precision	$\pm$ 1° C
Traceability	ISO 12176-3 ISO 12176-4
Protection degree	IP 54
Languages	20
Overall dimensions, machine body	246 x 390 x 240 mm
Overall dimensions, carrying case	290 x 445 x 295 mm
Weight machine body	6.75 Kg
Weight, machine body + welding and power supply cable + laser scanner	9.4 Kg
Recommended generator to cover the complete working range	6.5 - 7 kVA

\* Working range might vary according to fittings brand. Check with the fitting manufacturer the power and the welding time required.

\*\* Power at 60% Duty Cycle

**\*PLUS**

HIGH PERFORMANCE

PDF WELDING REPORT

RESISTANT AGAINST GENERATOR POWER SURGES



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