

ELEKTRA 500



The **ELEKTRA 500** is a universal electro-welding machine, suitable for pressure piping systems. This machine is designed to weld electro-welding fittings with voltage 8-48V to 500 mm*.

The machine contains:

- A built-in memory of 4000 welding reports. Possibility to download welding reports in PDF, thanks to the USB port. It is also possible to connect an ESC-POS printer to the USB port, so that reports can be printed on site.
- A large LCD screen with a handy control panel and up to 19 different languages
- 90° universal connectors of 4.0-4.7mm, no adapters needed
- Laser scanner (no marker), so that the barcode can be easily read in and the parameters are read automatically (according to ISO 13950). The scanner's laser technology improves reading quality in case of light reflection or severe contrasts. The parameters can also be set manually (Voltage/Time) or via the barcode number.
- Traceability ISO 12176-3 (operator) and ISO 12176-4 (fitting/tube)
- A built-in GPS (version **ELEKTRA 500 GPS**)
- A manual scraper
- A transport case

TECHNICAL DATA

		ELEKTRA 500	ELEKTRA 500 GPS
Range *		20 - 500 mm	20 - 500 mm
Materials		HDPE, PP	HDPE, PP
Power supply		230 V Single Phase	230 V Single Phase
Output voltage weld	V	8 - 48 V	8 - 48 V
Total power consumption **	W	3100 W	3100 W
Recommended generator		5.5 / 6 kVA	5.5 / 6 kVA
Max. output current	A	120 A	120 A
60 % Duty cycle output ISO 12176-2	A	70 A	70 A
Noise level	lpa	< 70 dBA	< 70 dBA
Ambient temperature	°C	-20°C / 50°C	-20°C / 50°C
Ambient temperature accuracy	%	+/- 1%	+/- 1%
Degree of protection		Ip54	Ip54
Cable connectors		90° universal 4.00-4.7 mm	90° universal 4.00-4.7 mm
"Defender" protection against rain and dust		-	-
Manual scraper		Yes	Yes
Laser scanner barcode		Yes	Yes
Reading marker barcode		-	-
Manual input of voltage/time		Yes	Yes
Manual barcode entry		Yes	Yes
USB port		Yes	Yes
Memory		4000	4000
Report file format		PDF - BIN - CSV	PDF - BIN - CSV
GPS		-	Yes
Traceability ISO 121176-3 (operator)		Yes	Yes
Traceability ISO 121176-4 (fitting/tube)		Yes	Yes
Sound alarm		Yes	Yes
Error recognition		Yes	Yes
Languages		19	19
Dutch		Yes	Yes
Dimensions machine-base	L x W x H	255 x 270 x 385 mm	255 x 270 x 385 mm
Case dimensions	L x W x H	410 x 290 x 485 mm	410 x 290 x 485 mm
Machine weight	Kg	-	-
Machine weight + cables	Kg	18 kg	18 kg
Suitcase weight	Kg	4.5 kg	4.5 kg
Total weight	Kg	22.5 kg	22.5 kg

* range may be different depending on the fitting brand. Check with the manufacturer the power supply and welding time that is needed.

** at 60% duty cycle

MACHINES

96906370	ELEKTRA 500 (230V - 1~)
96906371	ELEKTRA 500 (230V - 1~) Schuko Plug
96906376	ELEKTRA 500 GPS (230V - 1~)

OPTIONS

84306912	KIT GPS
88080040	Printer
81422030	USB Software RITMO Transfer

SPARE PARTS

65000110	Aluminum Transport Case
33152800	Protection Bag for Scanner
84306906	Scanner Bar Code Reader with Cover Bag
81577307	Universal Adapter PIN 4-4.7mm