

FAIRING WELDING MACHINE



DESCRIPTION

A tailor made electrofusion welding machine for mounting of Parma Plast fairing profiles onto lead-in cables. The machine has a small footprint and is therefore suitable for operations onboard seismic vessels as well.

A PLC with a user-friendly HMI interface ensures easy and safe operation of the machine. The electrical cabinet is connected to the machine with a flexible umbilical fitted by mean of an industrial multi-connector. All welding variables are monitored in real-time to ensure high welding quality and repeatability.

The machine can be delivered with user specified options. This may be stands, protective frames, additional guiding wheels etc.

OPERATION / FUNCTION

With the hatch open, a fairing profile is placed into the machine and a TPU-electrofusion tape is manually fitted in the welding area of the fairing. Two quick-connectors on each side of the machine provide electric supply. After the hatch is closed, the welding process is activated by one touch on the HMI interface. The machine will automatically apply pressure to the welding area by inflating a hose and then apply power to the electrofusion tape for a predefined time.

SPECIFICATIONS
CONTROL CABINET:

Dimensions(BxLxH)	400x220x600	Weight	27 kg
Power (max)	850 W	Electrical connection.	1-phase 230V 50Hz
Pneumatic connection	5-7 bar	Output current	0-20A
Output voltage	0-42 VAC (isolated)	HMI interface	4,3" color touch
IP rating	IP65		

WELDING JIG

Dimensions(BxLxH)	3000x135x255	Weight	42 kg
Welding time	~4 min/fairing profile	Fairing profile	V2000C, V2000A
Electrofusion tape	I2000A		

