PRODUCT DETAILS

IFL / IFL3 / IFL450

FIBRE DIODE LASER

The IFL Fibre Laser Soldering Unit by Ciemmeo is a high-efficiency diode fibre laser generator designed for precise and reliable jewellery soldering. It represents a compact, maintenance-free solution that can be integrated into existing machines or used as a standalone unit.

The fibre laser soldering unit uses advanced solid-state diode technology to deliver stable and efficient laser power with minimal energy consumption. Unlike traditional laser systems, the IFL does not require water cooling circuits, pumps, filters, mirrors, or consumable components.

MAIN FEATURES

- Maintenance-free diode fibre laser
- Three models, 150–450 W continuous power
- Air-cooled, optical fibre delivery

TECHNICAL DATA

	IFL	IFL3	IFL450
Max average power	150 W	300 W	450 W
Max peak power	1500 W	3000 W	4500 W
Wavelength	1070 nm	1070 nm	1070 nm
Impulse duration	0.2 – 50 ms	0.2 – 50 ms	0.2 – 50 ms
Voltage (single phase)	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz
Max power consumption	< 700 W	1100 W	1600 W
Cooling	air flow	air flow	air flow
Dimensions	29 x 42 x 77 (h) cm – 76 kg	29 x 42 x 77 (h) cm – 76 kg	29 x 42 x 77 (h) cm – 76 kg
Packing	100 x 70 x 58 (h) cm – 98 kg	100 x 70 x 58 (h) cm – 98 kg	100 x 70 x 58 (h) cm – 98 kg