

FIBER LASER

CL-1000-50-W-v2

en | Data sheet | 1.0

- Developed for fast and eco-friendly laser cleaning
- Optimized beam profile for large-area ablation
- High power for removing heavy contamination
- Adjustable pulse widths and pulse shapes

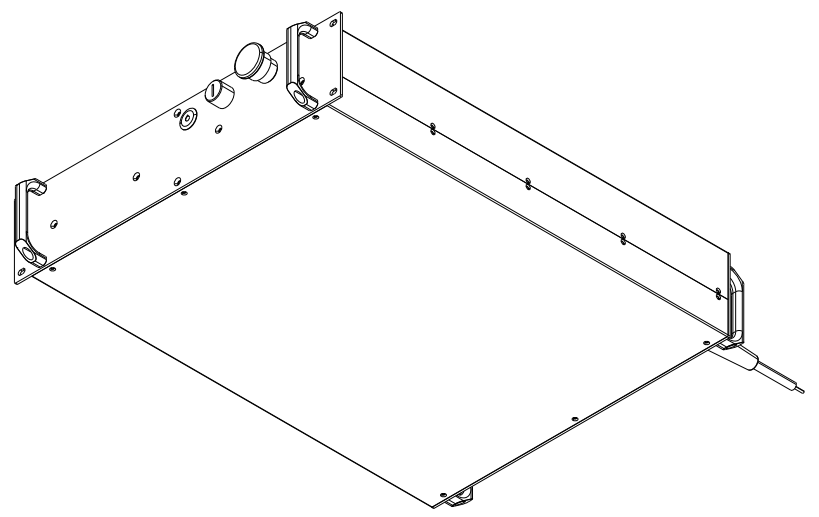
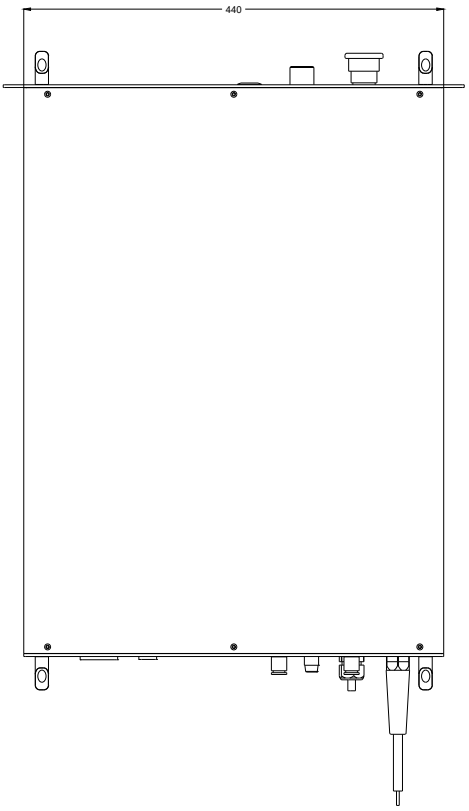
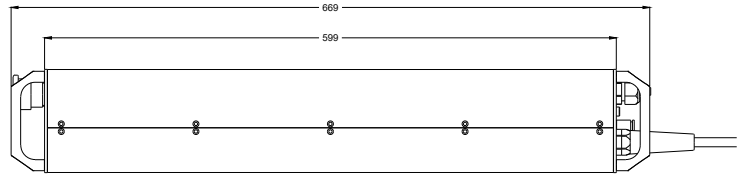
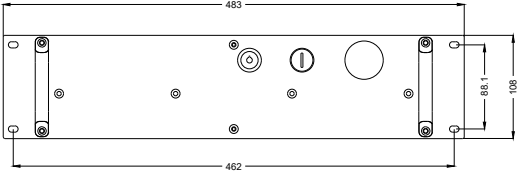


Wavelength	1064 nm	Cooling method	Water
Nominal output power	1000 W	Cooling flowrate	12 l/min
Beam quality (\leq)	26 M ²	Cooling power	4000 W
Pulse frequency	1 – 40000 kHz	Aiming beam	Standard
Full power frequency	20 – 4000 kHz	Adjustable pulse width	Yes
Max. peak pulse power	350 kW @ 500 ns	Supply voltage AC	220 V
Pulse width	30 – 500 ns	Current consumption	18.18 A
Max. pulse energy	50 mJ @ 500 ns	Power consumption @ 20°C	4000 W
Power instability \emptyset	5%	Operation temperature	0 – 40 °C
Power tuning range	0 – 100%	Storage temperature	-10 – 60 °C
Polarization	Random	Mechanical dimensions (W x D x H)	599 x 440 x 108 mm
Anti-reflective coating	Standard	Net weight	30 kg
Fiber length	10 m ^[1]		

Product customizations are possible on request.

^[1] Other available fiber lengths: 5 m, 15 m, 20 m





Laser product
Class 4

JPT

Manufacturer

Fiber laser

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Dimensions are given in millimeters and are intended as reference values.
Binding information is available on request.

