

CFLS-8000

CW Fiber laser



Features & Benefits

- Unique combination of innovative optical fibers and advanced laser technologies guarantee **long-term stability**.
- High reliability – enables continuous cutting operations
- Excellent beam quality
- Outstanding **back-reflection protection** – safe processing of highly reflective materials
- High modulation rate – ensures fast piercing time for efficient metal processing
- **35% wall-plug efficiency** – reduces the overall electrical power consumption
- Industrial-grade quality – durability in harsh manufacturing environments
- Easy-to-use, Plug & Play design
- Maintenance-free
- Remote diagnostic software for fast support
- Water-cooled chiller also available
- 3-year warranty

Applications

- Laser cutting & welding
- Laser cladding

Specifications

Optical

Mode of Operation	CW/Modulated
Polarization	Random
Operating Wavelength (nm)	1080 ± 5
Nominal Output Power (W)	8000
Power Stability (%)	± 1
Output Power Tuning Range (%)	10 - 100
Modulation Frequency (kHz)	50 max.
Output Fiber Core Diameter (µm)*	100
Beam Quality (BPP) (mm.mrad)	< 4.0

Electrical

Operating Voltage (VAC)	350 – 430, 3P
Operating Frequency (Hz)	50 / 60
Power Consumption (W)	24000 max.

Mechanical

Dimensions (W x D x H) (mm)	1000 x 1409 x 1131
Output Fiber Length (m)	20
Output Connector	QBH
Weight (kg)	< 700

Cooling

Cooling Method	Water-cooled
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Product Compliance

CE Marking	Available
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* Other options may be available upon request.
All specifications are subject to change without notice.

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