LASER TECH™



Multi-mode Fiber Laser

YLIM-20000-W

YLIM-20000-W EO conversion efficiency is high, design redundancy, long-term use of low attenuation rate, using multi-module design, can achieve module independent control, is a compact volume, good beam quality, maintenance-free high power fiber laser, with excellent thick plate cutting performance, air cutting faster, higher perforation efficiency.

Advantages

- Multi-module design, stable operation, less failure;
- Power fluctuation less than 3%, response speed less than 5us;
- The design redundancy is larger, long-term stable and reliable operation;
- Laser output power closed-loop control, more stable processing;
- Higher laser output energy density, excellent beam quality.

Applications

Widely used in laser cutting, laser welding, laser cladding, laser brazing, laser surface heat treatment, etc., the application of hardware, medical, automotive, shipbuilding, aviation, construction machinery and other fields.

GW's standard certification laser series is based on professional performance, and the design standards pursue parity with international first-line brands. For the international market and high-end user groups, the product design meets the relevant international certification standards, and provides global service network protection services.

- 976nm high efficiency pumping technology, EO efficiency ≥42%
- CHF technology， improve cutting speed and meet cutting consistency requirements
- Multi-module design, can achieve independent module control, abnormal circumstances can be closed abnormal single module, the product is still sustainable operation
- The output core diameter can be customized to meet the application requirements of multiple scenarios

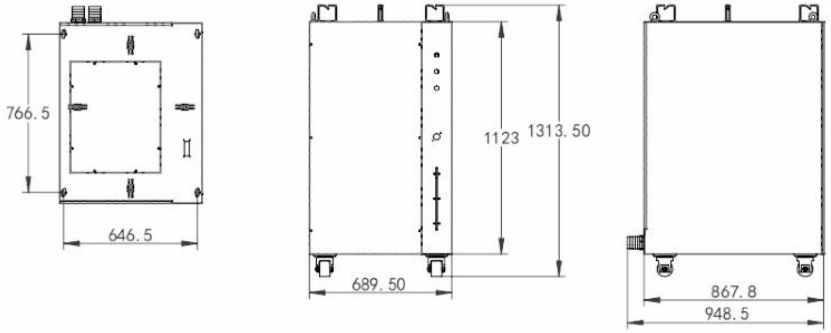
976 EO conversion efficiency≥42%	ABR Easily process high anti materials	Power closed loop control	Custom waveform output

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Product specification parameter	YLIM-20000-W
Output Power (watt)	20000
Operating Mode	CW/Pulse/Built-in program
Output Power Range (%)	1-100
Output Laser Wavelength (nm)	1080±10
Beam Quality	20kHz
Interface Type	Q+
Delivery Fiber Core Diameter (conventional configuration, optional)	100um
Cooling Method	Water-cooling
Ambient Temperature Range (℃)	5-45
Input Voltage	380VAC/50Hz
Dimension (mm)	690 x 1035 x 1314 (L×W×H)
Weight (kg)	< 500

Unit: mm



Legal Notice: All product information is believed to be accurate and subject to change without notice.

Legal statement:

GW smart fiber laser products are designed in strict accordance with safety regulations. All production is in accordance with international standards and regulations currently in force in the country. Each GW laser has a warning sign as shown in the figure.



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