LASER TECH™



AAC CW Fiber Laser

YLIM-20000-A

The world's first active air cooling technology, temperature control is more accurate, fearless of the impact of ambient temperature, effectively improve the power stability of the laser, the whole machine is free of maintenance protect. 976nm high efficiency pumping technology, with ultra-high EO conversion efficiency, optical conversion efficiency.

Advantages

- Cross-era multi-module 10,000-watt air-cooled laser, using active air conditioning direct cooling technology
- Strong environmental adaptability, not afraid of high temperature and cold, working environment temperature -20~50℃
- High system integration, low weight of the whole system, reduce the difficulty of customer assembly and integration
- The cooling system is maintenance-free and requires no coolant replacement
- The cooling system operates on demand and has low standby power consumption

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.

- AAC technology, accurate temperature control
- CHF Condensed High-brightness Flat-top Technology，improve cutting speed and meet cutting consistency requirements
- ABR anti-reflection design, suitable for a variety of high reflective materials processing applications
- SMAT Intelligent operating system, intelligent monitoring

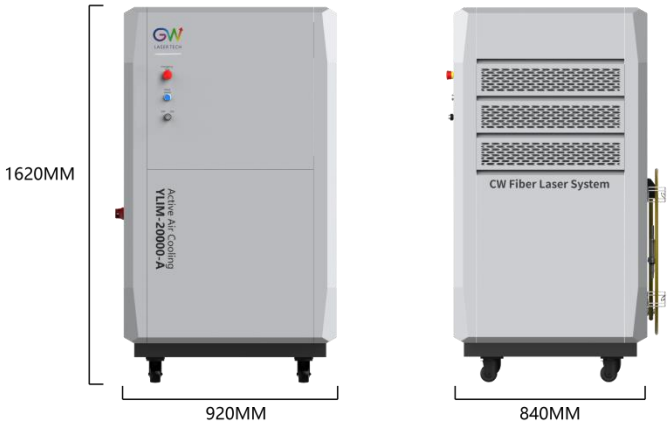
976 EO conversion efficiency≥42%	ABR Easily process high anti materials	SMAT Intelligent operating system	AAC technology

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Product specification parameter	YLIM-20000-A
Output Power (watt)	20000
Operating Mode	CW/Pulse/Built-in program
Output Power Range (%)	1-100
Output Laser Wavelength (nm)	1080±10
Beam Quality	$11 \leq M^2 \leq 13$
Interface Type	QBH/QD/Q+
Delivery Fiber Core Diameter (conventional configuration, optional)	100um
Cooling Method	Active air cooling
Ambient Temperature Range (℃)	-20~50
Input Voltage	380VAC/50Hz
Dimension (mm)	920 x 840 x 1620 (L×W×H)
Weight (kg)	< 260

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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