

CYL-3000/S 1.0μM Single-Mode Group Continuous Fiber Laser

› PRODUCT FEATURE AND SPECIFICATIONS:



- High wall plug efficiency, greatly reduce power consumption
- Strong capability on resisting high-reflective, suitable for different materials processing.
- Remote real-time monitoring.
- High lifetime, high safety and reliability.
- Can achieve personalized customization.
- Excellent after-sales service system.
- Excellent cost performance

- Laser cutting.
- Laser welding.
- Laser cladding.
- Laser brazing.
- Laser thermolizing.

CINA LASER's CYL-3000/S 1.0μm single-mode group continuous fiber laser, adopts latest industry technology and the optimization design, with high electro-optical conversion efficiency, high lifetime, high safety and reliability. The unit with high-quality output beam and strong capability on resisting high-reflective, can be widely used in all kinds of materials of laser cutting, welding, punching, 3D printing and other high-end smart manufacturing.

CINA LASER, which is based on Internet technology, established a scientific after-sales service system. Each device has a unique identity code (the internal storage of original technology and material information). Can achieve remote online real-time monitoring; can provide users with equipment fault early warning and efficient technical support and good after-sales service.

CINA LASER's products with high quality, high reliability and excellent cost performance, can meet the requirements of the customer diversification and personalized customization. It also with good after-sales service, is the ideal choice for system integrates and equipment manufacturers.

Specification						
Parameter	Unit	Min.	Typ.	Max.	Remarks	
Central Wavelength	(nm)	1070	1080	1090		
Spectral Bandwidth	(nm)		3	5	-3dB	
Output Optical Power	(W)		3000			
Short Time Power Stability	(%)		±1			
Long Time Power Stability	(%)		±2			
Laser Opening Time	(μs)		50~100			
Laser Shutdown Time	(μs)		100~200			
Power Regulation Range	(%)	10		100		
Beam Quality	(M2)			1.8	QBH-50	
				3.6	QBH-100	
Fiber Numerical Aperture (NA) Half Angle	(rad)			0.22	QBH-50、100	
Modulation Frequency	(KHz)	5		20	100% output	
Red Light Power	(mW)	5		60		
Output Connector			QBH			
Output Fiber Core Diameter	(μm)		50	100	Customizable	
Output Fiber Length	(m)		10	15	Customizable	
Output Cable Bending Radius	(mm)	200				
Work Model			Continuous/modulation		CW/Modulate	
State Of Polarization			Random		Random	
Communication Interface			RS232/AD /Super terminal			
Remote Communication			APP		Customizable	
Power Supply	(V)		220			
Power Consumption	(KW)			3.0	220 V, Single-phase three-wire	
Cooling Mode			Water cooling		External	
Cooling Water Temperature	(°C)	21		25		
Cooling Water Flow	(L/min)		10			
Working Ambient Temperature	(°C)	10		40		
Working Environment Humidity	(%)	10		85		
Storage Temperature	(°C)	-10		60		
Structure				Rack		
Weight/Size	(kg)	53	(W)×(L) with Handle	×(H) (mm)	482.6 (440)×666×111	

