

YDFL2000M-Specifications



Features

- Up to 2000 W Output Power
- User-Friendly Interface
- High Optical Efficiency
- High Reliability
- Carry a 1-year Guarantee
- 5 years after sales services

Applications

- Material Processing
- Laser Cladding

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Noursam's YDFL2000M is designed to deliver exceptional reliability and ensure long-term stability. This competing product addresses a wide range of demand and well suits multi-shift industrial environments. Its compact footprint is virtually predestined for integration into existing machining workstations. To meet rigorous international standards, all manufacturing processes are done and monitored under the strict supervision of our world-class experts which leads to superior quality over others. The unique combination of high average power and outstanding beam quality makes the YDFL2000M an ideal laser source for cutting, welding, hardening, cladding, ablation, surface cleaning, and precision material and coating removal.

Pump and Signal Specifications

Parameter	YDFL2000M	Note
Output Power	2000 W typical, 100-1950 W Range	controllable
Output Signal Wavelength	1080 nm	under the customer request
Output Signal Line width (FWHM)	<3 nm	under the customer request
Beam Parameter Product(BPP)	< 2 mm-mrad @50 μ m	< 5.5 mm-mrad @100 μ m
Delivery Fiber Core Diameter	50 μ m	200 μ m , 100 μ m are available
Single mode delivery fiber length	15m	
Rise/fall time	<100 μ s	
Upgrade package	No	
Beck reflection protection and monitoring	1000W	
Power stability	<3% Peak	Out of warm up time (1min)
Training and installation		
Operating Regime		
Output Polarization		

Electrical & Mechanical Specifications

Parameter	YDFL2000M	Note
Communication Interface	Analogue port DB 25, USB (for maintenance)	
Storage Temperature	-20 ~ +60 (°C)	-
Operating Temperature	20-32 (°C)	-
Voltage	380 V @ 50 Hz	-
Power Consumption	8000W	
Dimensions	80.3*65.3*70 cm	
Weight	<90kg	
Cooling	Water Cooling , 30 Lit/min	

Made In Iran

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