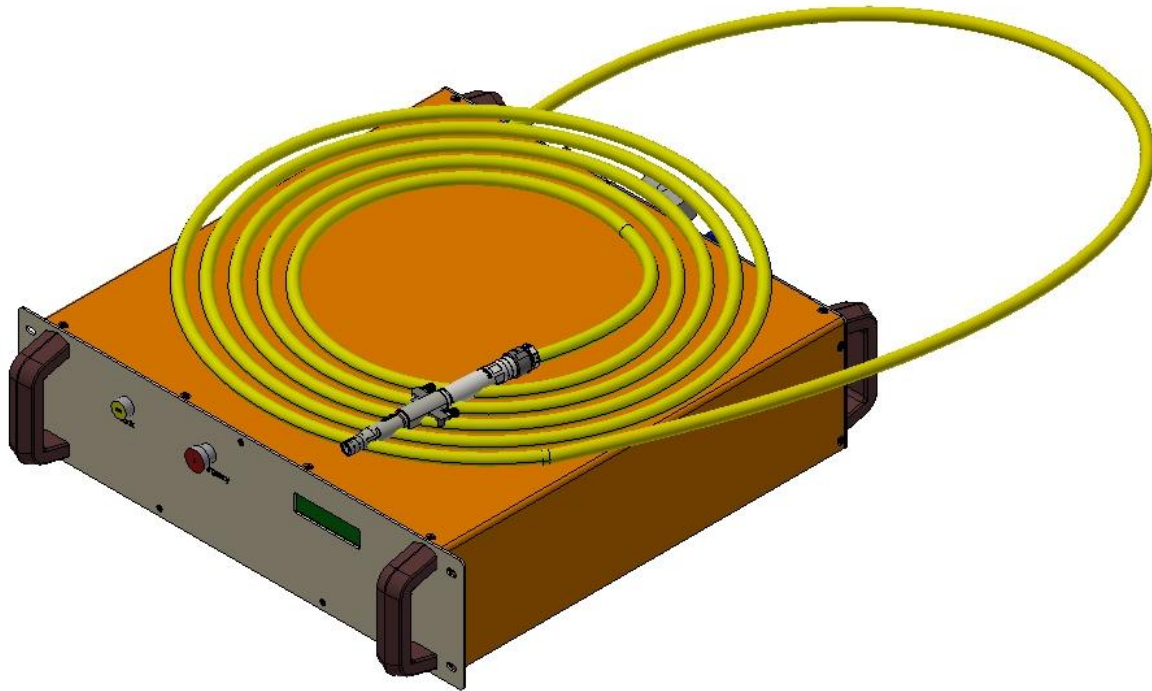


YDFL1000-Specifications



Features

- Up to 1000W Output Power
- User-Friendly Interface
- High Optical Efficiency
- High Reliability
- Carry a 1-year Guarantee

Applications

- Material Processing
- 3D printing
- 3D printing
- Material Processing

Noursam's YDFL1000 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 YDF1000 an ideal laser source for cutting, drilling, engraving, soldering, ablation, surface cleaning, and precision material and coating removal.

This fiber laser is contained of controlling box that it may easy to use with external port.

Also in new released 1000W fiber laser, the upgradable packages are added to fiber laser.

Pump and Signal Specifications

Parameter	Value for old version	Value for new version	Note
Output Power	1000 W typical, 50-950 W Range	1000 W typical, 50-1050 W Range	controllable
Output Signal Wavelength	1080 nm	1080 nm	under the customer request
Output Signal Line width (FWHM)	<3 nm	<3 nm	under the customer request
Beam Parameter Product(BPP)	< 0.6 mm-mrad @20 um	< 0.6 mm-mrad @20 um	< 2 mm-mrad @50 um < 5.5 mm-mrad @100 um
Delivery Fiber Core Diameter	20 um	20 um	30 um , 50 um , 100 um are available
Single mode delivery fibre length	10m	10m	
Rise/fall time	<400µs	<30µs	
Upgrade package	No	Up to 1500W	
Beck reflection protection and monitoring	300W	500W	
Power stability	<5% Peak	<3% Peak	Out of warm up time (1min)
Training and installation	Yes		
Operating Regime	CW and Modulated @ Max 1 KHz		
Output Polarization	Random		

Electrical & Mechanical Specifications

Parameter	Value for Old version	Value for new version	Note
Communication Interface	RS234 connector	RS234 connector, Analogue port DB 25, USB (for maintenance)	
Storage Temperature	-20 ~ +60 (°C)	-20 ~ +60 (°C)	-
Operating Temperature	20-32 (°C)	18-32 (°C)	-
Voltage	220 V @ 50 Hz	220 V @ 50 Hz	-
Power Consumption	4000W	3500W	
Dimensions	495 x 494 x 137 mm	TBA	
Weight	43kg	<30kg	
Cooling	Water Cooling , 12 Lit/min	Water Cooling , 12 Lit/min	

