



# 2000nm High Power CW Fiber Laser

## STPW2000



**2023 V1**

For customized projects please Contact us:

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## High Power CW Fiber Laser – STPW2000

STPW2000 is a high-power 2000nm CW Fiber laser with an operating wavelength range of 1900nm – 2050nm, single mode output with CW output power of up to 30W. It has an excellent near-diffraction limit beam.

STPW2000 is ideal for transparent plastic welding using materials such as PMMA and PC/ABS for biomedical applications. It can also be used as the pump source for MIR lasers in scientific research.



### Key Features

- Customizable wavelength
- Single mode
- Diffraction limited beam
- Easy operation and maintenance-free
- Turn-key system

### Applications

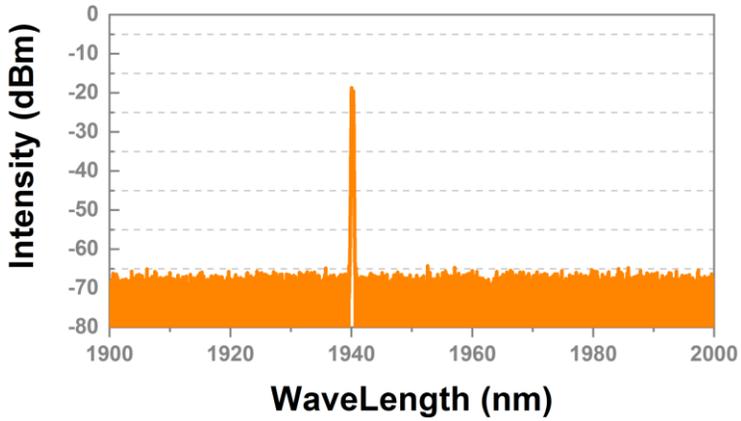
- Plastic welding and cutting
- Medical surgery
- Solid laser pump source
- Transparent material processing
- Spectroscopy

## Main Specification

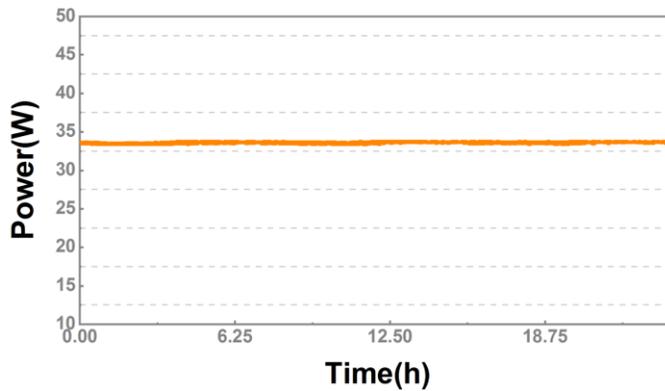
Laser Parameters		
Operating Wavelength	nm	1900-2000 nm
Spectral Bandwidth	nm	<1 nm
Average Power	W	30W, 70W
Beam Diameter	mm	5 mm
Average Power Stability	% RMS	<1 % RMS (24h@25°C)
Beam Quality		TEM <sub>00</sub> , m <sup>2</sup> <1.1
Output Polarization		Random/Linear Polarization
Output Type		Fiber collimator output
Electrical, Environmental and Mechanical Parameters		
Supply Voltage	VAC	100-240
Operational Temperature Range	°C	15-35
Operational Humidity Range	%	20-80 ( Non-condensing )
Weight Laser Head	kg	20
Dimensions Laser Head	mm (LxW*H)	633 x 483 x 141
Cooling		Air-cooled, Water-cooled

## Test Data

### Output Spectrum



### Power Stability



## Machine Drawing

