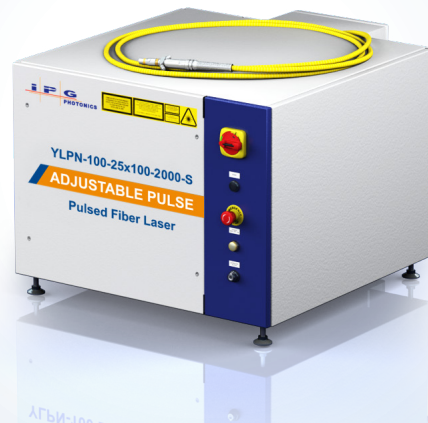




# YLPN-100-25×100-2000-S

## Ultra High Power Nanosecond Fiber Lasers

NEW PRODUCT



### Applications

- ▶ Paint Stripping
- ▶ Surface Treatment
- ▶ Coating Removal
- ▶ Texturing



### Features

- ▶ Average Power up to 2000 W
- ▶ Repetition Rate up to 50 kHz
- ▶ Adjustable Pulse Duration
- ▶ Round or Square Fiber Core
- ▶ Rugged Design

IPG Photonics' YLPN-HP Nanosecond Fiber Laser offers variable pulse durations in 25-100 nanosecond range. The laser power can be adjusted in a wide range of pulse repetition rates independent of the pulse energy. Average output powers vary from 100 W to 2 kW and the repetition rates vary from 2 to 50 kHz. Housed in rugged sealed cabinets, these compact efficient maintenance-free systems are designed to operate in harsh industrial manufacturing environments. Powerful YLPN-HP lasers are optimized for high throughput surface treatment applications such as paint stripping, coating removal, surface cleaning and texturing.

# YLPN-100-25×100-2000-S

## Ultra High Power Nanosecond Fiber Lasers

### Optical Characteristics

Wavelength, nm	1064
Mode of Operation	Pulsed
Max. Average Power, W	1000, 2000*
Power Tunability, %	10-100
Preset Pulse Duration Modes, ns	25, 50, 70, 100
Repetition Rate, kHz	2-50
Process Fiber Core Options	Round or Square
Process Fiber Core Diameter, μm	600
Beam Parameter Product, mm × mrad	30 Round Core; 45 Square Core

\*Preliminary

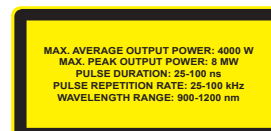
### General Characteristics

Control Unit Dimensions (W × D × H), mm	780 × 806 × 558
Weight, kg	160
Connector Type	HLC-8, QBH Compatible
Control Unit Cooling	Water-cooled
Chiller Cooling Capacity, kW	<3 @ 1 kW
Supply Voltage, 3-phase, 50-60 Hz, VAC	400-480
Wall Plug Efficiency, %	>25

+1 (508) 373-1100; sales.us@ipgphotonics.com  
 +49 2736 44200; sales.europe@ipgphotonics.com (European Inquiries)

[www.ipgphotonics.com](http://www.ipgphotonics.com)

**Legal notices:** All product information is believed to be accurate and is subject to change without notice. Information contained herein shall legally bind IPG only if it is specifically incorporated into the terms and conditions of a sales agreement. Some specific combinations of options may not be available. The user assumes all risks and liability whatsoever in connection with use of a product or its application. IPG, IPG Photonics, The Power to Transform and IPG Photonics' logo are trademarks of IPG Photonics Corporation. © 2015-18 IPG Photonics Corporation. All rights reserved.



**The Power to Transform®**