

# YLPN-100-30x100-1000

## Ultra High Power Nanosecond Fiber Laser

**NEW PRODUCT**



**Applications**

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

**Features**

- ▶ Average Power 100-1000 W
- ▶ Adjustable Pulse Duration
- ▶ Round or Square Fiber Core
- ▶ Repetition Rate up to 50 kHz
- ▶ Rugged Design

**IPG Photonics' YLPN-HP Nanosecond Fiber Laser** offers variable pulse durations in 30-100 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 1 kW and the repetition rates vary from 2 to 50 kHz. Designed for OEM applications, these compact, efficient, maintenance-free modules are packaged in rugged 19" rack-mounted units. Powerful YLPN-HP lasers are optimized for high throughput surface treatment applications such as paint stripping, coating removal, surface cleaning and texturing.

# YLPN-100-30x100-1000

## Ultra High Power Nanosecond Fiber Laser

### Optical Characteristics

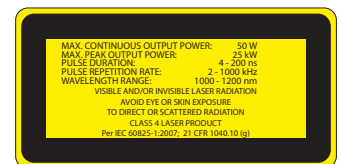
Wavelength, nm	1064
Mode of Operation	Pulsed
Max. Average Power, W	1000
Power Tunability, %	10-100
Preset Pulse Duration Modes, ns	30, 40, 60, 100
Repetition Rate, kHz	2-50
Process Fiber Core Options	Round or Square
Process Fiber Core Diameter, $\mu\text{m}$	600
Beam Parameter Product, mm x mrad	30 Round Core; 45 Square Core

### General Characteristics

Control Unit Dimensions, mm	483 x 400 x 665
Connector Type	HLC-8, QBH Compatible
Control Unit Cooling	Water-cooled
Chiller Cooling Capacity, kW	3
Supply Voltage, 3-phase, 50-60 Hz, VAC	400-480
Power Consumption, kW	<4

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