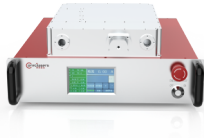


1064nm Nanosecond laser

ULTRAFAST PULSED LASERS



1064nm Nanosecond laser Precilasers offers high performance 1064nm pulse fiber laser, it has high pulse energy and high peak power. The laser can be used in non-linear frequency conversion / micromachining and spectroscopy application. The excellent beam quality and stability of the 1064nm pulse fiber laser ensure the accuracy and repeatability in material processing.

- Compact design Good stability
- Excellent beam quality

Specifications

Parameter	FL-NS-1064-x (1)
Center Wavelength	1064.00nm
Spectral Width	<1nm
Operational Mode	pulse
Beam Diameter	1.5-1.9mm(can be custom made)
Average Power	>60W / >100W / >150W
Pulse Width	1-30ns / 1-30ns / 150-300ns
Repetition Rate	100-1000kHz / 100-1000kHz / 100-300kHz
Pulse Energy	>120uJ@20ns / >200uJ@20ns / >400uJ@300ns
Polarization	>18dB / >16dB / >16dB
Beam Quality	M ² <1.2 / M ² <1.3 / M ² <1.3
Beam Waist Location	output aperture±0.5m
Beam Divergence (full angle)	<2mrad
Beam Circularity	>90%
Beam Pointing Stability (PP)	<10μrad/°C
Power Stability	<1% @3hours, RMS
Cooling	water cooling
Cold Start	<30 minutes
Warm Start	<10 minutes
Controller Size	≤483mm x 540mm x 112.5mm
Laser Head Size	≤226mm x 358mm x 54mm
Chiller Size	≤58cm x 29cm x 52cm
Laser Head Weight	≤10kg
Laser Controller Weight	≤25kg
Chiller Weight	≤25kg
Cable Length Between Laser Head And Controller	>2m(can be custom made other length)
Operating Temperature (No condensing)	15-35 °C (water cooling)
Power Supply	100V-240V, AC, 50/60Hz
Power Consumption	<1kW
Communication	RS422

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.