

1064nm ns pulse laser

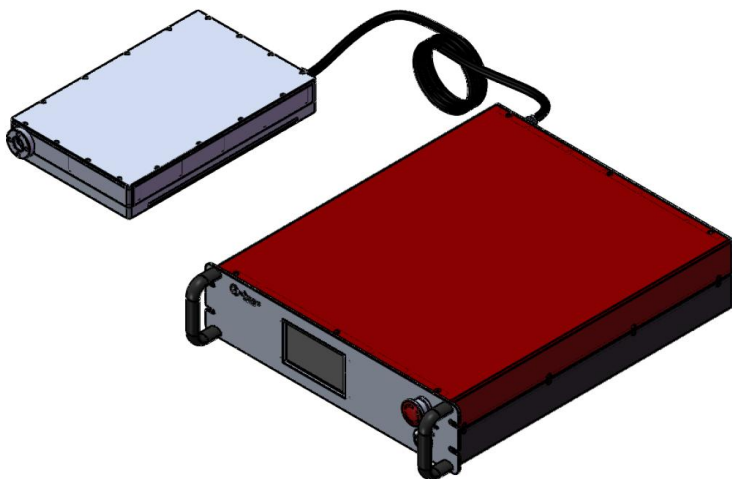
Precilasers offers high performance 1064nm pulse fiber laser, it has high pulse energy and high peak power. The laser can be used in non-linear frequency conversion, micromachining and spectroscopy application. The excellent beam quality and stability of the 1064nm pulse fiber laser ensure the accuracy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

Features

- Compact design
- Good stability
- Excellent beam quality

Applications

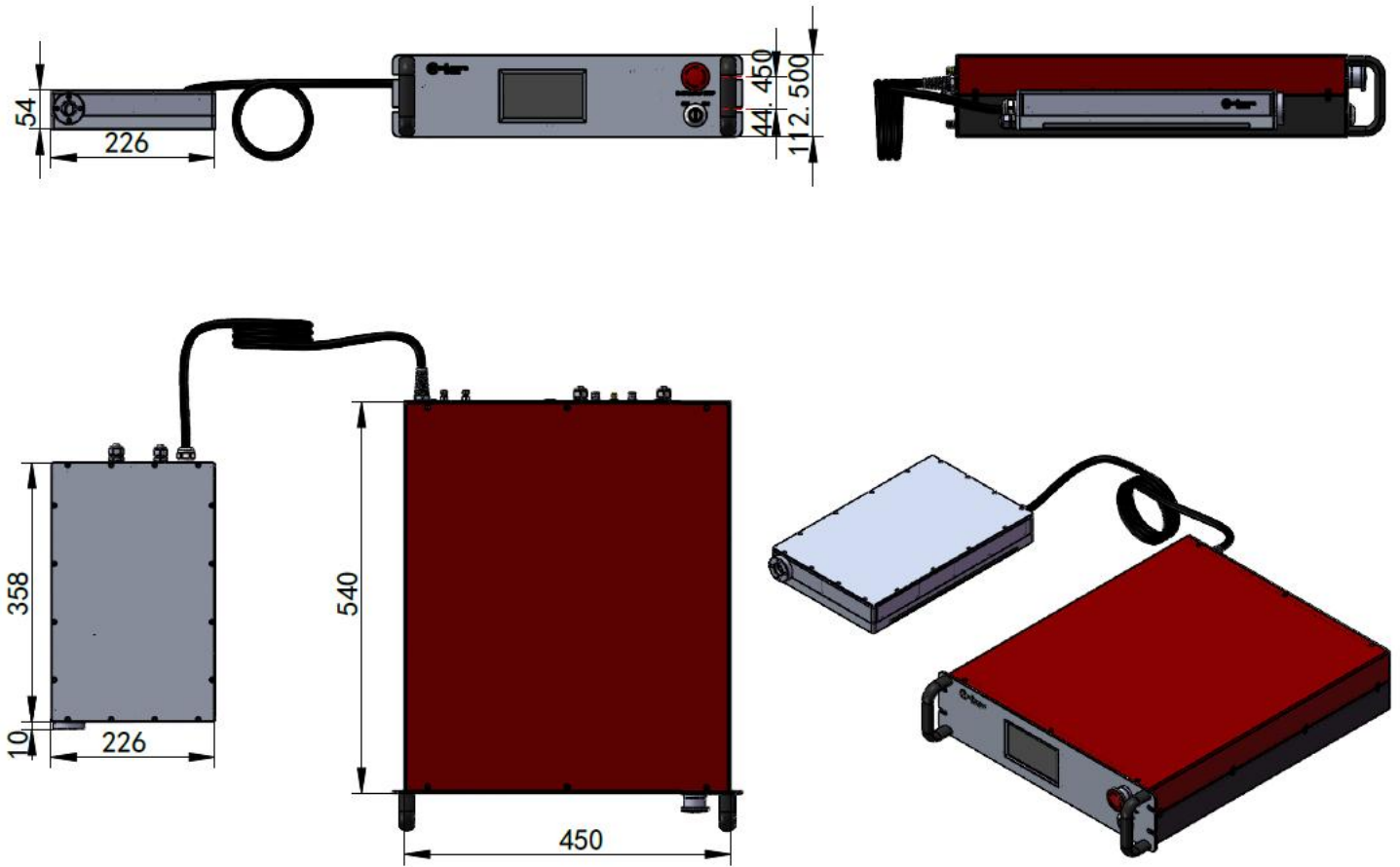
- spectroscopy
- Precision machining



Specification			
Partnumber	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	0.9-1.1		
Beam Pointing Stability (PP)	<10μrad/°C		
Power Stability	<1% @3hours, RMS		
Cooling	water cooling		
Warm-Up Time			
Cold Start	<30 minutes		
Warm Start	<10 minutes		
Demension and Weight			
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)		
Environment and Power Supply			
Operating Temperature (No condensing)	15-35 °C (water cooling)		
Power Supply	100V-240V, AC, 50/60Hz		
Power Comsumption	<1kW		
Communication	RS422		

(1)X indicates laser power,unit in W.For example output power is 60W, part number is FL-NS-1064-60

Product Dimension



Non-dismantle fiber length $\geq 2\text{m}$ between controller and laser head



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⚠ Laser Hazard

Visible or invisible laser radiation, avoid eye or skin exposure to direct, reflected or filtered radiation.
CLASS 4 Laser Products