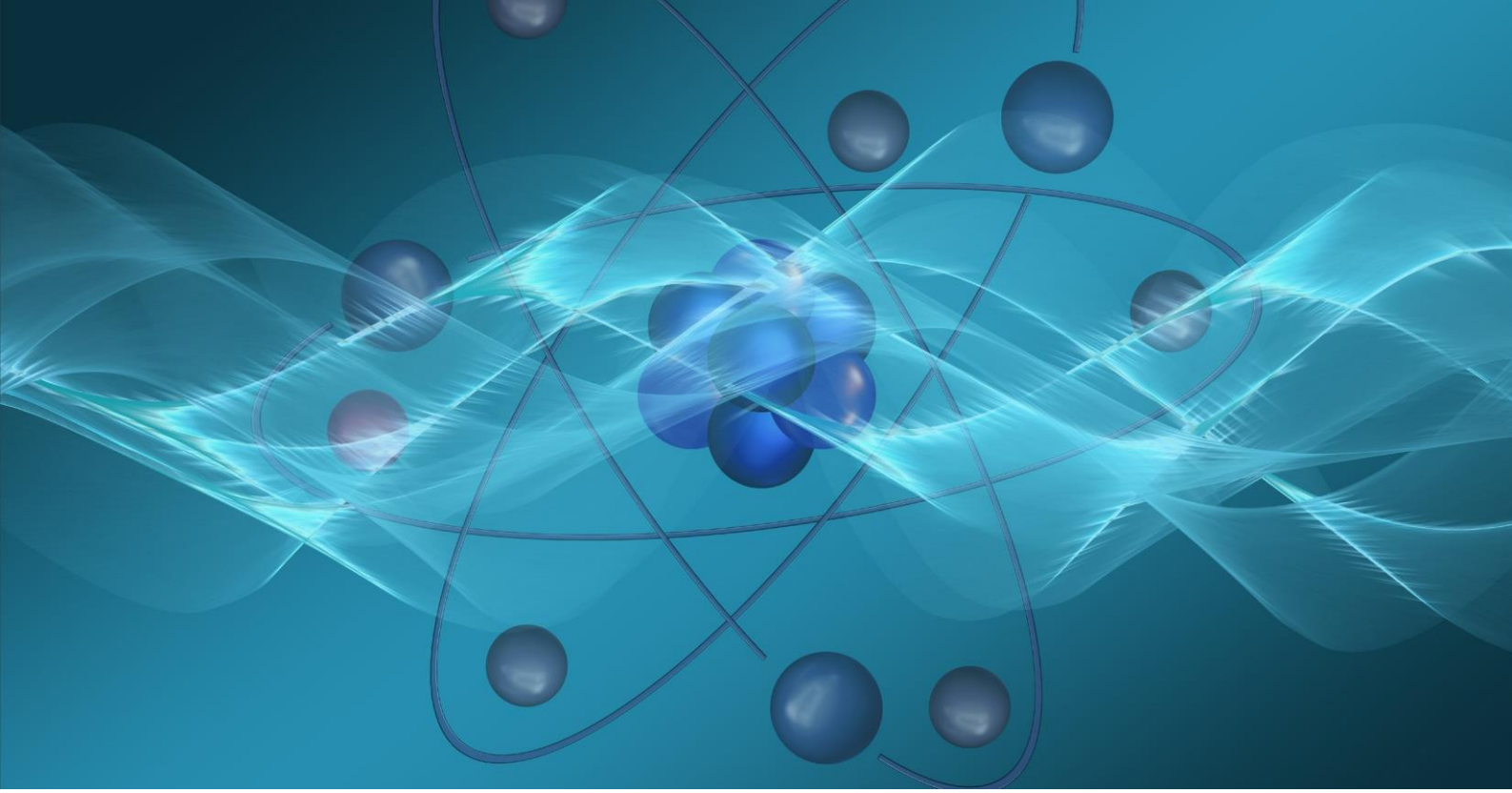


369nm narrow linewidth laser

PreciLasers' 369nm laser is obtained by a single pass of the 1108nm laser through frequency tripling. It has the Featuress of narrow linewidth and high frequency stability. It can be widely used in the fields of optical precision measurement, quantum precision measurement, such as Yb+ related experiments.

Features

- Narrow linewidth
- High frequency
- stability Linear
- polarization CW laser

application

- Optical precision measurement
- Quantum precision measurement

precilasers 频准激光

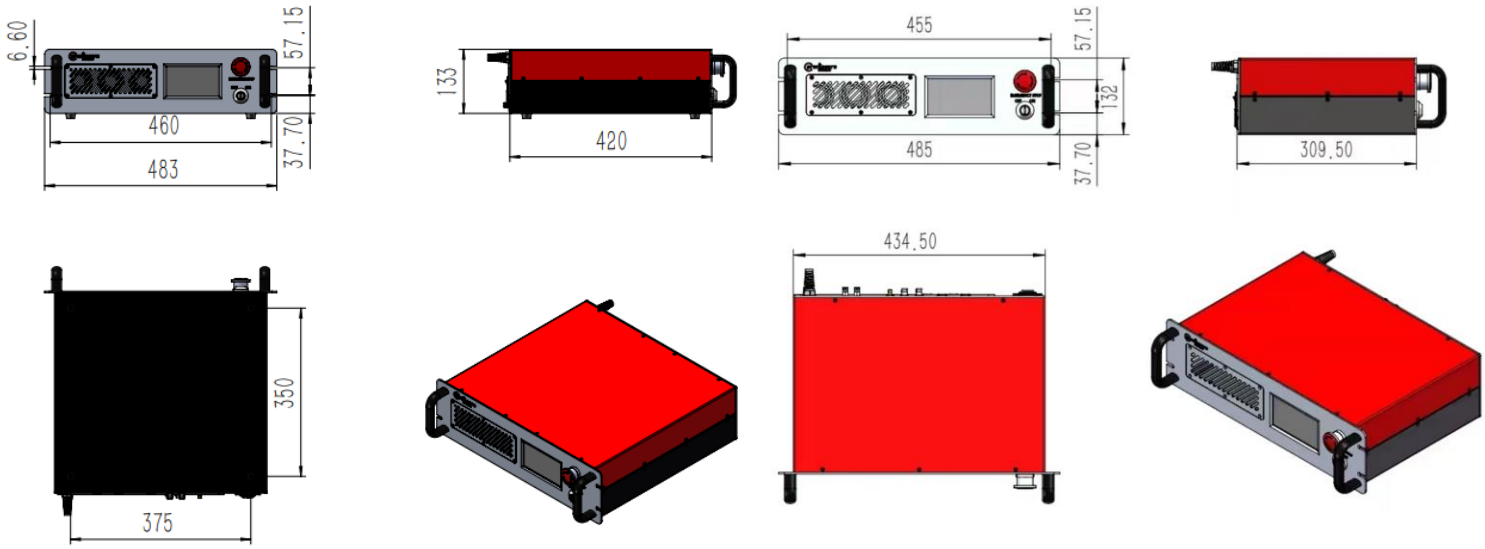
Optical parameters		
Central wavelength	369nm	
Output power	> 20mW	> 40mW
Tuning range (temperature)	> 0.2nm	
Output Mode	Spatial collimation output, diameter ~0.7mm	
Linewidth(1)(100us integration time)	< 30kHz	
Polarization extinction ratio	> 20dB	
Power Stability (3 Hours RMS)	< 0.75%	
Beam quality	$M^2 < 1.1$	
PZT tuning range	> 9GHz	
PZT tuning bandwidth	> 5kHz	
Cooling method	Air Cooling	Water Cooling

(1) Fiber-delay self-heterodyne beat frequency method measurement

Options	
AOM options	Adding AOM and VCO driver between seed and amplifier enables 500kHz tuning bandwidth and > ±5MHz tuning range
EOM-RF Option	Adding EOM between the seed and the amplifier to achieve sideband modulation

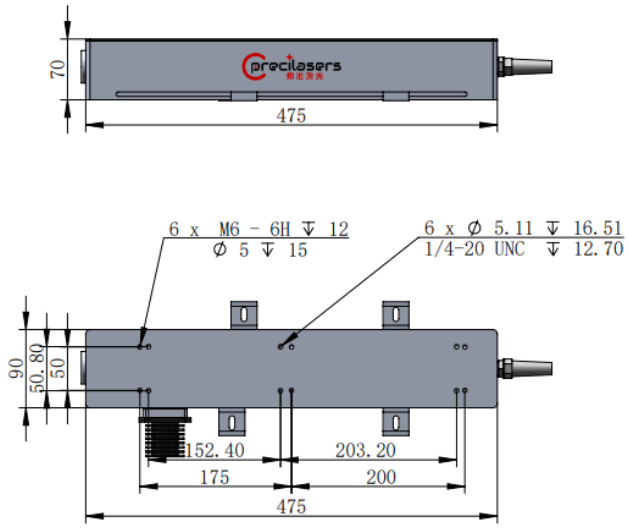
Other parameters	
Working temperature	15-25℃
Supply electricity	100V-220V, AC, 50Hz

❖ Product Dimensions



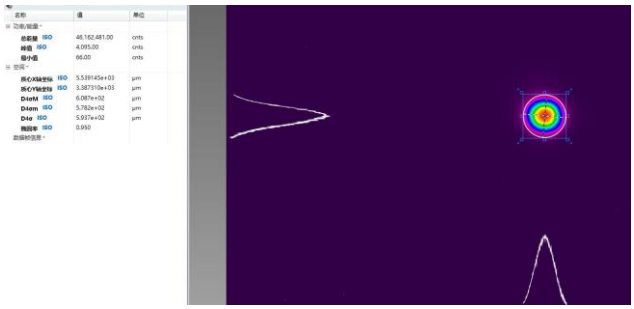
Amplifier Chassis - Air Cooled

Seed Laser Dimensions - Air Cooled

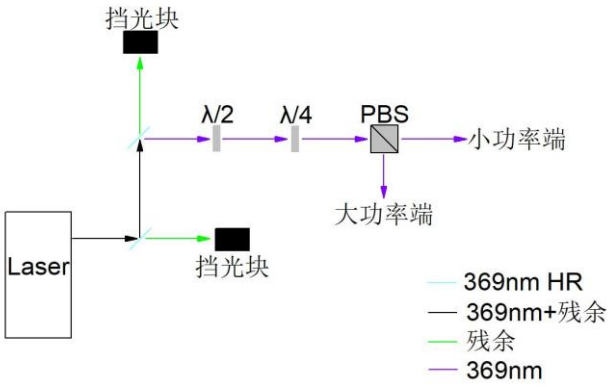


Frequency doubling head dimensions

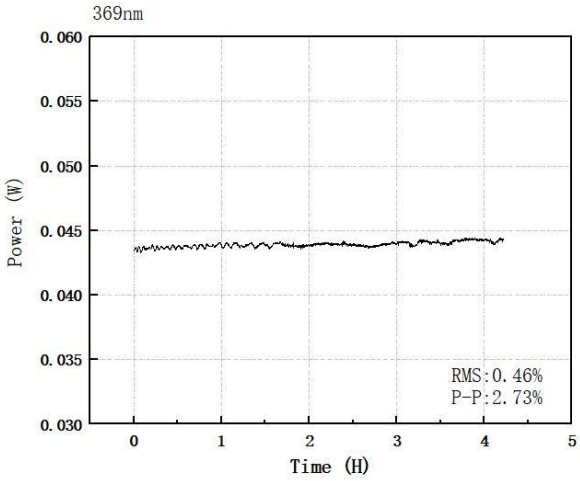
❖ Performance index test (typical value)



Light spot test chart



The polarization degree of 369nm laser is about 21dB



Power stability test chart, PP is about 2.73%, RMS is about 0.46%

Shanghai Precilasers Technology Co., Ltd.
Floor 2, Building 2, No. 1918, Xupan Road, Jiading District, Shanghai
021-59160265

info@precilasers.com | www.precilasers.com

⚠ Laser Hazard

Visible or invisible laser radiation, avoid eye or skin exposure to direct, reflected or filtered radiation.

CLASS 4 Laser Products