2260nm narrow linewidth laser

The 2260nm laser of PreciLasers , obtained by two fiber DFB of 1um and 2um once through the differential frequency, has the Featuress of narrow Line width and high frequency stability, and can be widely used in optical precision measurement, quantum precision measurement and other fields.

Features
- narrow linewidth
- High frequency stability
- linear polarization
- Continuous laser

Applications
- Optical precision measurement
- Quantum precision measurement

Precilasers
频准激光
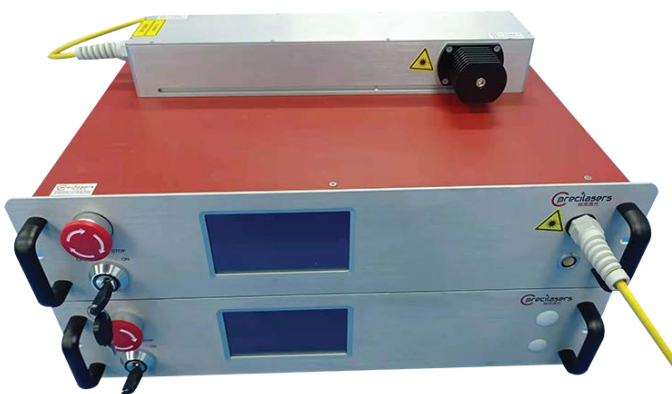
Optical parameters

Available range of wavelengths	2260nm	
Output power	> 100mW	> 500mW
Tuning range (temperature)	> 180GHz	
Output mode	Spatial collimation output, 0.7-1mm in diameter	
Line width [1] (100us integration time)	< 20kHz	
Polarized extinction ratio	> 20dB	
Power Stability (3-hour RMS)	< 0.75%	
Beam quality	$M^2 < 1.1$	
PZT tuning range	> 3GHz	
PZT tuning bandwidth	> 5kHz	
Cooling method	Air cooling / water cooling	

(1) The optical fiber delay is measured from the heterotropic beat frequency method

Option

AOM option	AOM and VCO drives were added between the seed and the amplifier to achieve a 500kHz tuning bandwidth with> ± 5 MHz tuning range
The EOM-RF Option	The EOM was added between the seed and the amplifier to achieve the sideband modulation

Other parameters

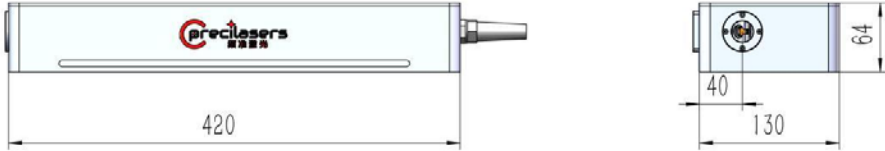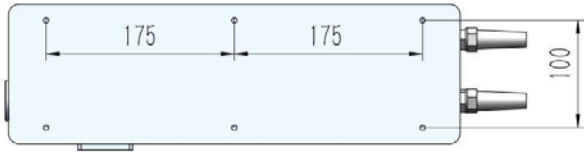|	
Working temperature	15-25℃
Supply electricity	100V-220V, AC , 50Hz

precilasers 频准激光

❖ Product Dimensions
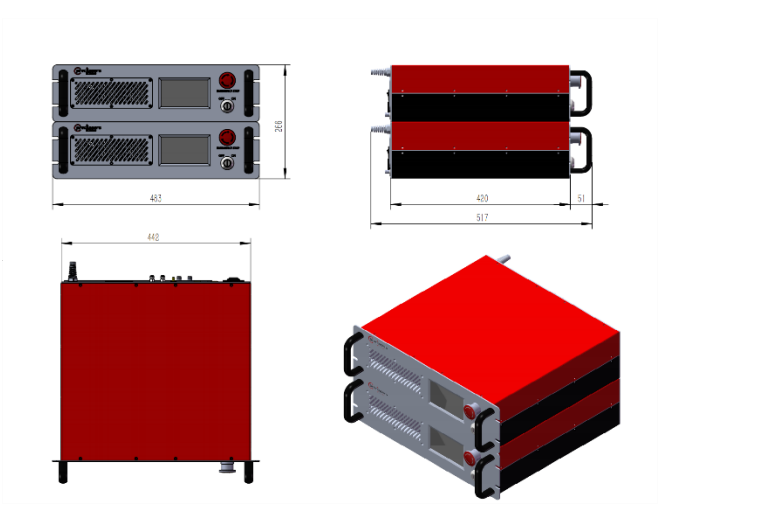
Size diagram of air cooling case
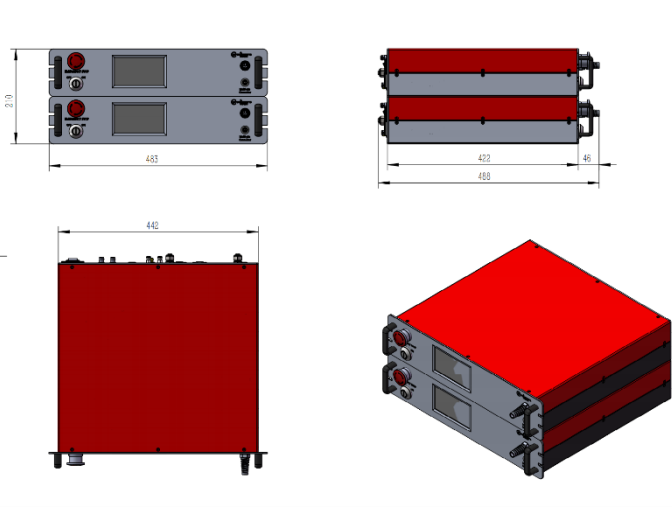
Size drawing of the water-cooling machine box

Output head size diagram

❖ Performance indicator test (typical value)

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⚠ **Warning: Laser hazard**

Visible or invisible laser radiation, avoiding exposure of the eye or skin to direct, reflected, or filtered radiated C L A S S 4 laser products