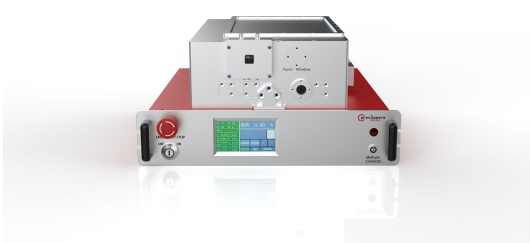


313nm-325nm Narrow linewidth laser

NARROW-LINEWIDTH CW LASERS



313nm-325nm Narrow linewidth laser Based on single frequency seed laser, low noise fiber amplifier and high efficiency frequency convert technique, Precilasers can provide narrow linewidth 313-325nm CW lasers, maximum output power is 2W, features with high frequency stability, long life and good beam quality.

- Narrow Linewidth High Power
- Good Beam Quality Never
- Mod Hop
- Precision Measurement Wafer Metrology
- Interference Lithography

Specifications

Parameter	FL-SF-X-Y-CW
Wavelength Range	313nm-325nm, center wavelength can be selected
Linewidth(100 us integration)	<40kHz
Operational Mode	CW
Output Power	>300mW / >1W / >2W
Beam Diameter	1±0.15 mm
Beam Waist Location	output aperture±0.5m
Beam Divergence (full angle)	<0.6mrad
Beam Circularity	0.9-1.1
Beam Pointing Stability (P-P)	<50μrad@3h
Beam Quality	TEM00, M ² <1.2
Polarization	linear, Vertical, ±3°, >20dB
Power Stability	<0.75% @3hours, RMS
Relative Intensity Noise	<0.2%(RMS, 10Hz-10MHz integration)
Cooling	Water cooling
Cold Start	<2 hours
Warm Start	<15 minutes
Controller Size	≤483mm x 520mm x 132mm
Laser Head Size	≤390mm x 310mm x 130mm
Chiller Size	≤58cm x 29cm x 52cm
Laser Head Weight	≤18kg
Controller Weight	≤20kg
Chiller Weight	≤25kg
Cable Length Between Laser And Controller	fiber length>1.5m
Operating Temperature (No condensing)	15-35 °C (water cooling)
Power Supply	100V-240V, AC, 50/60Hz
Power Consumption	<170W / <200W / <240W
Communication	RS422

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