

# SLM GREEN LASERS



Changchun New Industries, CNI design and manufacture DPSS laser modules emitting at 532nm, 473nm and 671nm. The SLM series of lasers emit a single frequency with the added benefit of stable wavelength output in the form of a TEM<sub>00</sub> beam. In addition to the single frequency this laser series has precise specifications that make it ideal for both experimental research and OEM integration.

**FEATURES:**

- Wavelength 532nm, 473nm, 671nm
- Power output 5-50mW
- TEM<sub>00</sub> beam
- Power Output 10-150mW
- Compact
- Reliable
- Robust
- Excellent Beam Quality

The SLM lasers from CNI offer outstanding value when compared to the units supplied by other companies. It is a true solution for OEM integration and the preferred laser of choice for many users around the world.

**APPLICATIONS:**

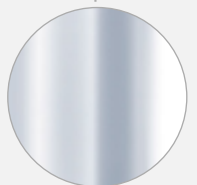
- DNA Sequencing
- Flow Cytometry
- Cell Sorting
- Holography
- Spectral Analysis
- Interference Measurement
- Chip Inspection



GAS SENSORS



ANALYTICAL INSTRUMENTS

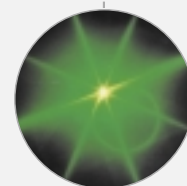


LASERS AND ELECTRO-OPTICS



QUANTUM DIVISION





## SPECIFICATIONS

MODEL	SLM
Wavelength (nm)	532
Output power (mW)	50, 40, 30, 20, 10, 5
Transverse mode	TEM <sub>00</sub>
Longitudinal mode	Single
Operating mode	CW
Beam diameter at the aperture (1/e <sup>2</sup> ) (mm)	1.5
Output noise (rms, 10Hz-20MHz)	<0.2%
Coherence length (m)	>50
Power stability (rms, over 4 hours)	<3%, <5%
M <sup>2</sup> Factors	<1.2
Beam divergence, full angle (mrad)	<1.0
Warm-up time (minutes)	<15
Point stability, after warm-up (mrad)	<0.05
Operating temperature (°C)	15-35
Expected lifetime (hours)	10000
Dimensions of laser head (LxWxH) (mm)	116 x 73 x 46.2
Net weight of laser head (kg)	0.90
Power supply (VAC)	80-240
Dimensions of power supply (LxWxH) (mm)	130 x 116 x 68
Net weight of power supply (kg)	1.0
	Other SLM lasers available at 473 and 671nm

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