

# CW 266 nm DUV Laser

Industrial Deep UV laser

## Applications

- ▶ Semiconductor inspection
- ▶ Raman spectroscopy
- ▶ Photoluminescence
- ▶ Disk mastering
- ▶ Fiber Bragg grating

Ingenuity 266nm		
Specification	0.5W	1W
Wavelength (nm)	266	
Output Power (Watts) <sup>1</sup>	0.5	1
Linewidth (pm)	<3	
Spatial mode	TEM <sub>00</sub>	
Beam Quality(M <sup>2</sup> )	<1.3	
Beam Roundness (%)	>90	
Waist Location (cm) (internal , from beam exit)	30 ± 5	
Waist Diameter (mm)	1.8+/-0.2	
Beam Full Divergence (mRad)	0.2±0.05	
Point Stability (μrad/°C)	< 20	
Polarization Ratio	> 100:1 Linear,Vertica	
Pulse-to-Pulse Stability (% RMS)	< 3	
Average Power Stability(% over12 hours)	< 3	
Cold Start Warm-Up (mins.)	< 40	
Standby Warm-Up (mins.)	< 10	
Operational Temperature Range (°C)	15 to 35	
Operation Humidity Range (%)	20 to 80,non-condensing	
Storage Temperature Range (°C)	- 20 to 50	
Storage Humidity Range (%)	20 to 80,non-condensing	
Input Voltage (VDC)/Rated Power(W)	24 / 350	24 / 600
Communication	RS232	
Cooling	Water	
Weight (kg)	30	

Note: 1. The output power of 3 W and 5 W are available for customization.

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## Laser Head CAD Drawing

