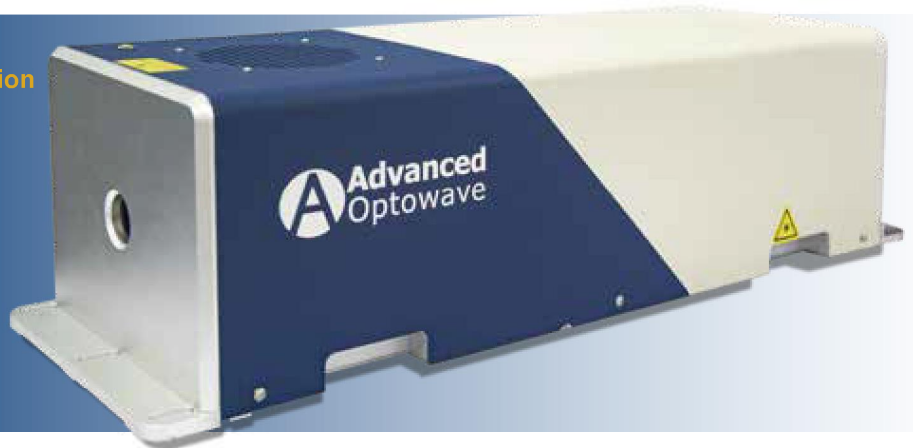


AONano Precision Series

Industrial Deep UV nanosecond laser

- Industry-leading harmonic generation
- Deep UV wavelength 266
- Cost-effective product
- Industrial DUV nanosecond laser
- Excellent beam quality
- Long term stability and reliability



► Features & Benefits:

This is a water-cooled deep UV nanosecond laser with output wavelength of 266 nm. With the industrial-leading harmonic generation technology and engineering design, it has high conversion efficiency, excellent long-term stability and long lifetime. The water-cooled design allows the laser to work reliably in various harsh and extreme environments and makes the laser to be the ideal candidate for the 7x24 non-stop production needs.

The output power of 0.5 W and 3 W are available for selection. With the wide range of repetition rate, excellent beam quality ($M^2 < 1.2$) and beam roundness ($> 90\%$), it is the perfect candidate for various application areas, including peeling-off GaN from Sapphire, non-carbonized cold processing, glass grain lifting-off, chip inspection and so on.



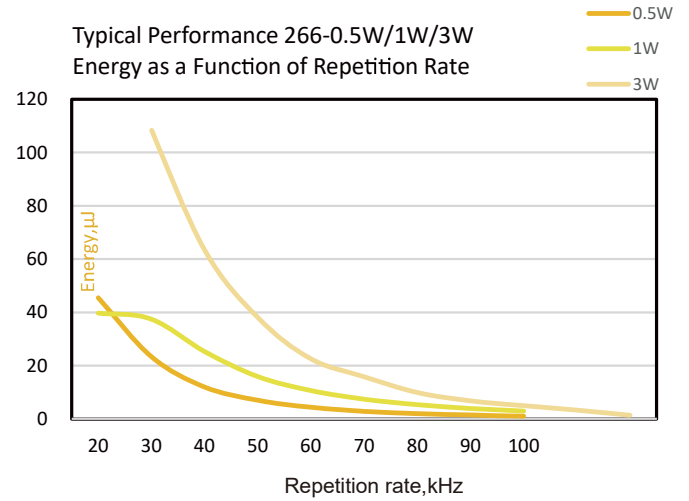
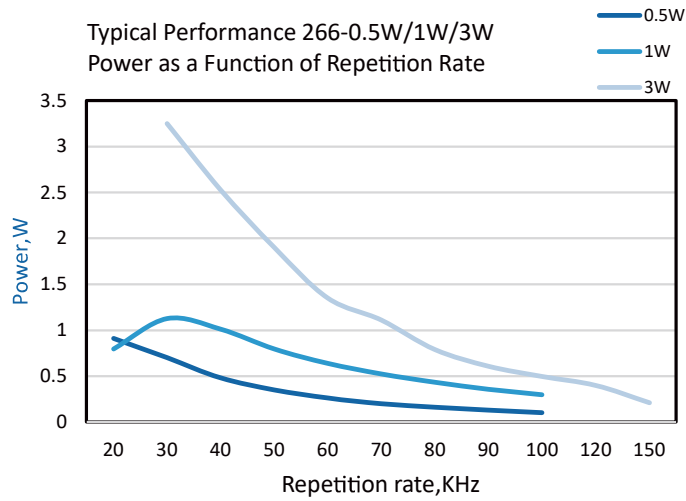
Wafer marking



Sapphire GaN lift off



Mini/micro led lift off



AONano Precision 266nm			
Specification	0.5W - 30K	1W - 30K	3W - 30K
Wavelength (nm)	266		
Average Power (Watts)	>0.5W	>1W	>3W
Energy (μJ)	>16	>32	>100
Specified Repetition Rate(kHz)	30	30	30
Repetition Rate (kHz)	20-150	30-150	30-150
Pulse Width (ns)	<15		
Beam Quality (M ²)	<1.2		
Beam Roundness (%)	>90		
Beam Diameter (mm)	~1.9		
Beam Divergence (mRad)	<1		
Point Stability (μrad/°C)	< 20		
Polarization Ratio	100:1 Linear,Horizontal		
Pulse-to-Pulse Stability (% RMS)	< 3	< 2	< 2
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 / 600		
Communication	RS232		
Cooling	Water		
Weight (kg)	55		

AONano Precision SERIES

AONano Precision Laser Size

