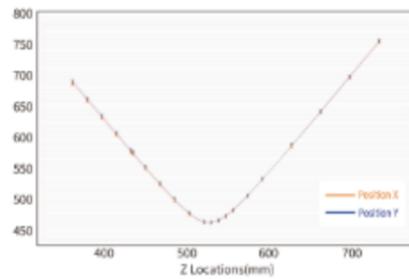


120MHz UV/DUV Picosecond Laser

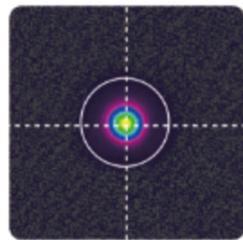
- 120 MHz max repetition rate for semiconductor testing
- Auto spot-shifting: 20,000 + hrs service life
- Superior beam quality ($M^2 < 1.3$)
- RS232/GATE/TRIG control + PSO function
- Modular design, stable & easy to maintain



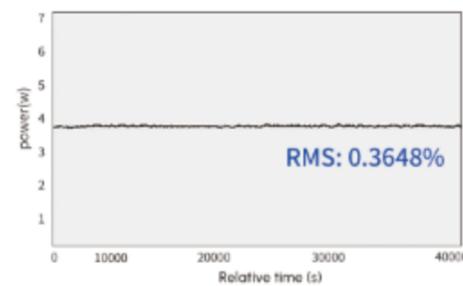
PRODUCT ADVANTAGES



Beam Quality: $M^2 < 1.3$, stable across propagation

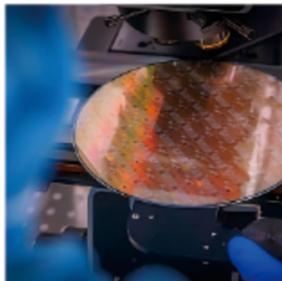


Beam Profile: Near-diffraction-limited circular spot



Power Stability: RMS < 0.4% over 40,000 s (RMS: 0.3648%)

APPLICATION AREA



- **Semiconductor Front-End**
Core components for measurement/annealing equipment, critical to wafer yield
- **Advanced Analysis**
Material surface detection, LIBS, LIF, UV Raman spectroscopy
- **Precision Processing**
Laser fine microprocessing

TECHNICAL INDICATORS

Parameter	High Repetition Rate UV/DUV Picosecond Solid-State Lasers		
	DUV-2	DUV-1	UV-4
Product series	DUV-2	DUV-1	UV-4
Wavelength	266nm		355nm
Repetition rate	120MHz	120MHz	120MHz
Pulse width	10ps		
Average power	≥4W	≥1W	≥4W
Beam quality (M^2)	$M^2 < 1.3$		
Polarization extinction ratio	>100:1		
Output beam diameter	3mm		
Beam divergence	<0.25 mrad		
Power stability(RMS)	RMS<1%		
Cooling method	Purified water cooling		

Note: Custom specifications available upon request, please contact our sales team.

MECHANICAL DRAWING & DIMENSIONS

