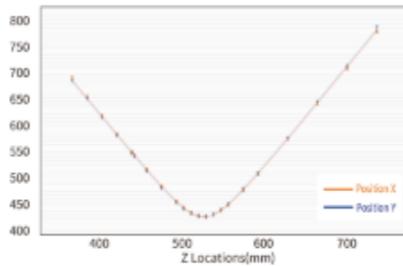


UV Picosecond Laser

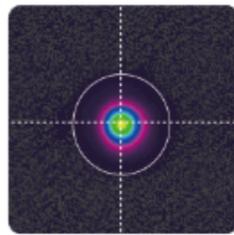
- **Max output power:** 40 W, lifespan > 15,000 hours
- **Key feature:** Extremely small heat-affected zone, ideal for micro-nano applications
- **Beam quality:** $M^2 < 1.2$
- **Control & functions:** RS232, GATE, TRIG, and PSO support
- **Design:** Modular, stable, and easy to maintain



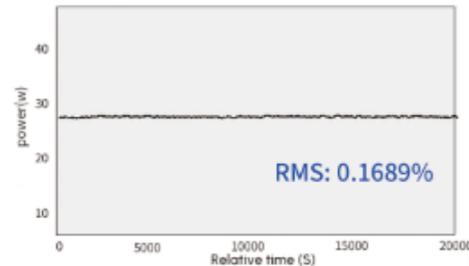
PRODUCT ADVANTAGES



Excellent beam quality for high-power UV picosecond lasers



Typical spot size for high-power UV picosecond lasers



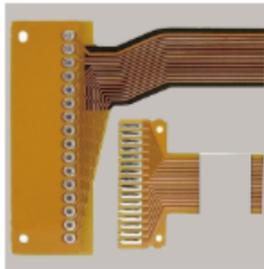
RMS power stability: 0.1689%

APPLICATION AREA



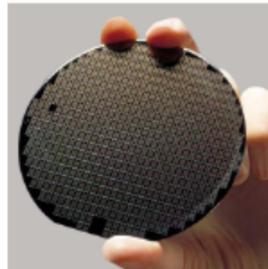
OLED cutting

Non-contact, high-precision cutting with zero thermal damage for high-end electronics.



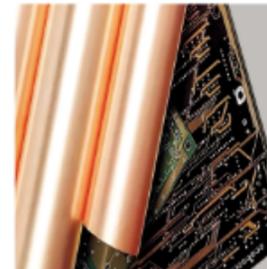
FPC cutting

Ideal for high-precision processing of complex-shaped flexible circuits.



Silicon wafer sawing and cutting

Micron-level precision cutting that preserves wafer performance for semiconductor manufacturing.



Copper foil cutting

High-precision cold processing ensures burr-free, deformation-free results and intact conductivity.

TECHNICAL INDICATORS

Parameter	UV Picosecond Laser			
	PHUV Series		PMUV Series	PLUV Series
Product series	UP-40	UP-30	UP-20	UP-5
Wavelength	355nm			
Repetition rate	500-2000KHz			
Pulse width	10ps			
Average power	≥40W	≥30W	≥20W	≥5W
Maximum pulse energy	≥80μJ	≥60μJ	≥40μJ	≥10μJ
Beam quality (M^2)	$M^2 < 1.2$			
Polarization extinction ratio	>100:1			
Output beam diameter	2.2mm±0.3mm (出光口400mm处)			
Beam divergence	< 1.5mrad			
Power stability(RMS)	RMS<1%			
Cooling method	Purified water cooling			

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

MECHANICAL DRAWING & DIMENSIONS

