

FemtoYL-UV-30/15

FemtoYL-UV is the latest industry femtosecond UV laser that based on fiber CPA technology. FemtoYL-UV has a variable pulse duration from 300fs to 10ps in the wavelength of 343nm and a high average power up to 30W. Its pulse energy can up to 60μJ with a repetition rate of 25kHz-5MHz and an excellent beam pattern. FemtoYL-UV can provide stable 24*7 operation with a convenient maintenance, it is the best solution for preparation of display screen and the semiconductor industry.



Features:

- Central wavelength: 343nm
- Average power: 30W
- Pulse duration: 300fs-10ps
- Peak power: 200MW
- Pulse energy: 60μJ
- Beam quality $M^2 < 1.3$

Applications:

- OLED module cutting
- 5G circuit material cutting (LCP/MPI)
- FPC material cutting/drilling
- ITO drilling/scribing
- Semiconductor cutting/scribing
- Glass, sapphire drilling/scribing

Specifications:

Model	FemtoYL-UV-30/15
Central Wavelength	343nm
Average Power	30W/15W
Repetition Rate	25kHz-5MHz
Power Stability	<2%
Pulse Energy	60μJ/30μJ
Peak Power	200MW/100MW
Pulse Duration	300fs-10ps variable
Beam Quality	M ² <1.3
Beam Diameter	~2mm (1m from output aperture)
Beam Divergence (Full Angle)	<2mrad (Defined by ISO-11146-1)
State of Polarization	Linear polarized(S)
Sync Output	SMA TTL pulse
Control	RS232
Power Requirements	AC 100V-240V 50/60Hz Rated output > 960W
Dimensions (L*W*H)	1200mm*410mm*141mm

