

FemtoYL-Green-50/30

FemtoYL-Green is the latest industry femtosecond green laser that based on fiber CPA technology. FemtoYL-Green has a variable pulse duration from 200fs to 10ps in the wavelength of 515nm and a high average power up to 50W. Its pulse energy can up to 100 μ J with a repetition rate of 25kHz-5MHz and an excellent beam pattern. FemtoYL-Green 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: 515nm
- Average power: 50W
- Pulse duration : 300fs-10ps
(200fs Optional)
- Peak power: 300MW
- Pulse energy: 100 μ J
- 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-Green-50/30
Central Wavelength	515nm
Average Power	50W/30W
Repetition Rate	25kHz-5MHz
Power Stability	<2%
Pulse Energy	100μJ/50μJ
Peak Power	300MW/180MW
Pulse Duration	300fs-10ps variable (200fs Optional)
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

