

FemtoYL-Green-50

FemtoYL-Green is the latest industry femtosecond green laser that based on fiber CPA technology. FemtoYL-Green has a 300fs variable pulse duration 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 1Hz-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
- 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
Central Wavelength	515±5nm
Average Power	50W
Pulse Duration	~300fs
Repetition Rate	1Hz-5MHz
Power Stability	<2%
Pulse Energy	100 μ J
Peak Power	300MW
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-240V50/60Hz Rated output>960W
Dimensions (L*W*H)	900mm*600mm*187.5mm

