

FemtoYL-50-300

FemtoYL-50-300 is the latest industry femtosecond laser that based on fiber CPA technology. FemtoYL-50-300 has a 300fs variable pulse duration in the wavelength of 1030nm and a high average power up to 50W. Its pulse energy can up to 300 μ J with a repetition rate of 1Hz-5MHz and an excellent beam pattern. FemtoYL-50-300 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:

- Average power >50W@1000kHz
- Pulse duration ~300fs
- Repetition Rate 1Hz-5MHz
- Pulse energy >300 μ J
- Beam quality $M^2 < 1.2$

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-50-300
Central Wavelength	1030±5nm
Average Power	>50W
Pulse Duration	~300fs-6ps adjustable
Repetition Rate	1Hz-5MHz
Power Stability	<2%
Pulse Energy	>300μJ@100kHz@Burst1
Peak Power	~1GW
Beam Quality	M ² <1.2
Beam Diameter	~3mm(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 or GATE
Power Requirements	AC 100V-240V50/60Hz Rated output>2000W
Dimensions (L*W*H)	850mm*450mm*187.5mm

