

FemtoYL-50

YSL Photonics' FemtoYL-50 is the latest 50W high power femtosecond fiber laser. It can deliver a ~400fs-6ps variable pulse width and over 100 μ J pulse power, making it an ideal laser for micro-machining application.

Features:

- Average Power 50W
- Pulse Duration ~400fs-6ps
- Peak Power 250MW
- Repetition Rate 25-5000kHz
- Pulse Energy 100 μ J
- $M^2 < 1.3$
- Burst Mode Function

Applications:

- OLED Dicing
- Full Screen Dicing
- Sapphire Drilling
- Silicon Dicing
- SiC Dicing
- Metal Cutting and Drilling
- FPC Cutting



Specifications :

Model	FemtoYL-50
Center Wavelength	1035nm
Total power	~50W
Repetition Rate	25-5000kHz
Power Stability	<2%
Pulse Energy	>100μJ
Peak Power	>250MW
Pulse Width	~400fs (Optional 400fs-6ps adjustable)
Photo Response	<5μs
Beam Quality	M ² <1.3
Beam Diameter	2mm
Beam Divergence	<2mrad
State of Polarization	Linear polarized
Sync(trigger) Output	SMA TTL pulse
Power Requirements	AC 220V/5A
Dimensions (L*W*H)	680mm*480mm*212mm
Control	RS232 or DB25

Optional 515nm Output

