

FemtoYL-50

YSL Photonics' FemtoYL-50 is the latest 50W high power femtosecond fiber laser. It can deliver a ~400fs-8ps 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-8ps
- Peak Power > 250MW
- Repetition Rate 1Hz-5MHz
- Pulse Energy > 100 μ J
- Burst Pulse Combination Energy > 300 μ J
- $M^2 < 1.3$

Applications:

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



Specifications :

Model	FemtoYL-50
Central Wavelength	1035nm
Power	>50W
Repetition Rate	1Hz-5MHz adjustable
Power Stability	<1%
Pulse Energy	>100μJ
Number of Burst Pulse	1-10
Burst Pulse Combination Energy	>300μJ
Pulse Width	400fs~8ps adjustable
Beam Diameter	~3mm
Beam Divergence	<2mrad
State of Polarization	Linear Polarization (S)
Sync(trigger) Output	SMA TTL
Control Mode	RS232 or DB25
Power Requirement	AC 100V-240V 50/60Hz Rated output > 960W
Dimension	1200mm*410mm*141mm

Optional 515nm Output

