

FemtoYL-100/50

YSL Photonics' FemtoYL-100 is the latest 100W high power femtosecond fiber laser. It can deliver a ~200fs-6ps variable pulse width and 200μJ pulse power, making it an ideal laser for micromachining application.

Features:

- Average Power 100W
- Pulse Duration ~300fs-6ps (200fs Optional)
- Peak Power 400MW
- Repetition Rate 25kHz-5000kHz
- Pulse Energy 200μJ
- Burst Pulse Combination Energy 600μJ
- $M^2 < 1.3$

Applications:

- OLED Dicing
- micromachining
- Sapphire Drilling
- Silicon Dicing
- SiC Dicing
- Metal Cutting and Drilling
- FPC Cutting



Specifications:

Model	FemtoYL-100/50
Central Wavelength	1035nm
Power	100W/50W
Repetition Rate	25kHz-5MHz adjustable
Power Stability	<2%
Pulse Energy	200μJ/100μJ
Number of Burst Pulse	1-10
Burst Pulse Combination Energy	600μJ/300μJ
Pulse Width	300fs~6ps adjustable (200fs Optional)
Beam Diameter	~2mm (1m from output aperture)
Beam Divergence (Full Angle)	<2mrad (Defined by ISO-11146-1)
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>2000W
Dimension	1200mm*410mm*141mm

