

FemtoYL-100

YSL Photonics' FemtoYL-100 is the latest 100W high power femtosecond fiber laser. It can deliver a ~400fs-6ps variable pulse width and over 200 μ J pulse power, making it an ideal laser for micromachining application.

Features:

- Average Power 100W
- Pulse Duration ~400fs-6ps
- Peak Power 400MW
- Repetition Rate 25-5000kHz
- Pulse Energy 200 μ J
- $M^2 < 1.3$
- Burst Pulse Combination Energy >600 μ J

Applications:

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



Specifications :

Model	FemtoYL-100
Center Wavelength	1035nm
Total power	~100W
Repetition Rate	25-5000kHz
Power Stability	<2%
Pulse Energy	>200μJ
Burst Pulse Combination Energy	>600μJ
Peak Power	>400MW
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/9A
Dimensions (L*W*H)	1200mm*410mm*141mm

Optional

1035nm 75W version

515nm Output

