

FemtoYL-100

YSL Photonics' FemtoYL-100 is the latest high power femtosecond fiber laser. It can deliver a ~500fs-6ps variable pulse width and up to 200uJ pulse power, making it an ideal laser for micromachining application.

Features:

- Average Power 100W
- Pulse Duration ~500fs-6ps
- Peak Power 400MW
- Repetition Rate 25-5000kHz
- Pulse Energy 200uJ
- $M^2 < 1.3$
- Burst Mode Function
- Optional 515nm output

Applications:

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



Specifications :

Model	FemtoYL™ -100
Center Wavelength	1030nm
Total power	~100W
Repetition Rate	25-5000kHz
Power Stability	<2%
Pulse Energy	~200uJ
Peak Power	>400MW
Pulse Width	~500fs-6ps
Photo Response	<5us
Beam Quality	M ² <1.3
Beam Diameter	2mm
Beam Divergence	<2mrad
State of Polarisation	Linear polarized
Sync(trigger) Output	SMA NIM pulse
Power Requirements	DC24V/8A
Dimensions (L*W*H)	1254 x 410 x 141 mm
Control	RS232 or DB25

Optional

1030nm 75W version

515nm Output

