

FemtoYL™-100

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

Features:

- Average Power 100W
- Pulse Duration 300fs-6ps adjustable
- Peak Power 500MW
- Repetition Rate 25-5000kHz
- Pulse Energy 200uJ
- $M^2 < 1.3$
- Burst Mode Function
- 515nm&343nm output as option

Applications:

- Sapphire Dicing and Drilling
- Lion Ion Battery Foil Cutting
- Glass Dicing and Drilling
- Silicon Dicing and Drilling
- Metal Marking
- FPC Cutting
- Solar Cell PERC
- SiC Dicing and Drilling



Specifications :

Model	FemtoYL™ -100
Center Wavelength	1030nm
Total power	100W
Repetition Rate	25-5000kHz adjustable
Power Stability	<2%
Pulse Energy	200uJ
Peak Power	>500MW
Pulse Width	300fs-6ps adjustable
Photo Response	<5μs
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)	400mm*336mm*138mm
Control	RS232 or DB25

Optional 50W, 30W

