

FemtoYL-50

YSL Photonics' FemtoYL-50 is the latest high power femtosecond fiber laser. It can deliver a ~400fs-6ps variable pulse width and up to 120uJ pulse power, making it an ideal laser for micromachining application.

Features:

- Average Power 50W
- Pulse Duration ~400fs-6ps
- Peak Power 250MW
- Repetition Rate 25-5000kHz
- Pulse Energy 120uJ
- $M^2 < 1.3$
- 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™-50
Center Wavelength	1030nm
Total power	~50W
Repetition Rate	25-5000kHz
Power Stability	<2%
Pulse Energy	~120uJ
Peak Power	>250MW
Pulse Width	~400fs-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 515nm Output

