

FemtoYL-50

YSL Photonics' FemtoYL-50 is the latest 50W high power femtosecond fiber laser. It can deliver a ~400fs-6ps variable pulse width and over 100uJ 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 100uJ
- $M^2 < 1.3$
- Burst Mode Function

Applications:

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



Specifications:

Model	FemtoYL-50
Center Wavelength	1030nm
Total power	~50W
Repetition Rate	25-5000kHz
Power Stability	<2%
Pulse Energy	>100uJ
Peak Power	>250MW
Pulse Width	~400fs (Optional 400fs-6ps adjustable)
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

