

PicoYL-50

YSL Photonics' PicoYL-50 is the latest high power Picosecond fiber laser. It can deliver 10ps pulse width and 100 μ J pulse power, making it an ideal laser for micromachining application.

Features:

- Average Power 50W
- Pulse Duration 10ps-10ns
- Peak Power 10MW
- Repetition Rate 100-5000kHz
- Pulse Energy 100 μ J@10ps
- $M^2 < 1.3$
- Burst Mode Function
- Optional 515nm 343nm output

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	PicoYL-50
Center Wavelength	1035nm(1064nm)
Total power	50W
Repetition Rate	100-5000kHz
Power Stability	<2%
Pulse Energy	100μJ@10ps
Peak Power	>10MW
Pulse Width	10ps-10ns
Photo Response	<5μs
Beam Quality	M ² <1.3
Beam Diameter	2mm
Beam Divergence	<5mrad
State of Polarisation	Linear polarized
Sync(trigger) Output	SMA NIM pulse
Power Requirements	DC24V/8A
Dimensions (L*W*H)	680mm*480mm*212mm
Control	RS232 or DB25

Optional 532nm, 355nm Output

