

FemtoYL-IR-100

YSL Photonics' FemtoYL-IR-100 is the latest 100W high power femtosecond fiber laser. It can deliver a ~300fs variable pulse width and 300 μ J pulse power, making it an ideal laser for micromachining application.



Features:

- Average Power >100W
- Pulse Duration ~300fs (200fs Optional)
- Peak Power ~1GW
- Repetition Rate 1Hz-5MHz
- Pulse Energy 300 μ J
- $M^2 < 1.3$

Applications:

- OLED Dicing
- Micromachining
- Sapphire Drilling
- Silicon Dicing
- SiC Dicing
- Metal Cutting and Drilling
- FPC Cutting

Specifications:

Model	FemtoYL-IR-100
Central Wavelength	1030±5nm
Power	>100W
Pulse Width	~300fs adjustable(200fs Optional)
Repetition Rate	1Hz-5MHz adjustable
Power Stability	<1%
Pulse Energy	300μJ
Number of Burst Pulse	1-10
Beam Diameter	~3mm(1m from output aperture)
Beam Divergence (Full Angle)	<2mrad(Defined by ISO-11146-1)
State of Polarization	Linear Polarization(S)
Sync(trigger)Output	SMA TTL pulse
Control Mode	RS232 or DB25
Power Requirement	AC 100V-240V 50/60Hz Rated output>2000W
Dimension	900mm*600mm*187.2mm

