

## FemtoYL-100

YSL Photonics' FemtoYL-100 is the latest 100W high power femtosecond fiber laser. It can deliver a ~400fs-8ps variable pulse width and over 200 $\mu$ J pulse power, making it an ideal laser for micromachining application.

### Features:

- Average Power > 100W
- Pulse Duration ~400fs-8ps
- Peak Power 400MW
- Repetition Rate 1Hz-5000kHz
- Pulse Energy > 200 $\mu$ J
- Burst Pulse Combination Energy > 400 $\mu$ J
- $M^2 < 1.3$

### Applications:

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



**Specifications :**

<b>Model</b>	<b>FemtoYL-100</b>
Central Wavelength	1035nm
Power	>100W
Repetition Rate	1Hz-5MHz adjustable
Power Stability	<1%
Pulse Energy	>200μJ
Number of Burst Pulse	1-10
Burst Pulse Combination Energy	>400μJ
Pulse Width	400fs~8ps adjustable
Beam Diameter	~3mm
Beam Divergence	<2mrad
State of Polarization	Linear Polarization ( S )
Sync(trigger) Output	SMA TTL
Control Mode	RS232 or DB25
Power Requirement	AC 100V-240V 50/60Hz Rated output > 2000W
Dimension	1200mm*410mm*141mm

**Optional**

**1035nm 75W version**

**515nm Output**

