

## FemtoYL-40 Pro

YSL Photonics' FemtoYL-40 Pro is the latest 40W high power femtosecond fiber laser. It can deliver 40W average power, ~300fs-6ps variable pulse width and 40 $\mu$ J pulse energy, making it an ideal laser for micromachining application.



### Features:

- Average Power >40W
- Pulse Duration ~300fs-6ps
- Peak Power >100MW
- Repetition Rate 1kHz-5MHz
- Pulse Energy >40 $\mu$ J
- Burst Pulse Combination Energy >3000 $\mu$ J
- Number of Burst: 1-5

### Applications:

- Glass Welding
- Refractive Index Modification
- Two Photon Polymerization
- Thin Film Material Cutting & Drilling
- Biochips Manufacturing
- Medical Device Manufacturing

**Specifications:**

Model	FemtoYL-40 Pro
Central Wavelength	1030±5nm
Power	>40W
Pulse Width	~300fs~6ps adjustable
Repetition Rate	1Hz-5MHz adjustable
Power Stability	<1%
Pulse Energy	>40 μ J
Number of Burst Pulse	1-5 adjustable
Burst Pulse Combination Energy	>300 μ J
Peak Power	>100MW
Beam Roundness	>90%
Beam Quality	$M^2 < 1.3$
Beam Diameter	3.5±0.5mm
Beam Divergence (Full Angle)	<2mrad (Defined by ISO-11146-1)
State of Polarization	Linear Polarization (S)
Sync(trigger) Output	SMA TTL
Control Mode	RS232 or USB or Ethernet Port
Power Requirement	AC 100V-240V 50/60Hz Rated output>960W
Dimension	680mm*410mm*186.5mm

