

FemtoYL-40/20

YSL Photonics' FemtoYL-40 is the latest 40W high power femtosecond fiber laser. It can deliver 40W average power, ~400fs-10ps variable pulse width and 80μJ pulse energy, making it an ideal laser for micromachining application.

Features:

- Average Power 40W
- Pulse Duration ~400fs-10ps
- Repetition Rate 25kHz-5MHz
- Pulse Energy 80μJ
- Burst Pulse Combination Energy 240μJ
- Number of Burst: 1-10

Applications:

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



Specifications:

Model	FemtoYL-40/20
Central Wavelength	1035nm
Power	40W/20W
Repetition Rate	25kHz-5MHz adjustable
Power Stability	<2%
Pulse Energy	80μJ/40μJ
Number of Burst Pulse	1-10
Burst Pulse Combination Energy	240μJ /120μJ
Pulse Width	400fs~10ps adjustable
Beam Quality	$M^2 < 1.3$
Beam Diameter	~2mm (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
Control Mode	RS232 or DB25
Power Requirement	AC 100V-240V 50/60Hz Rated output > 960W
Dimension	680mm*410mm*131mm

