

FemtoYL-20

YSL Photonics' FemtoYL-20 is the latest 20W high power femtosecond fiber laser. It can deliver over 20W average power, ~400fs-6ps variable pulse width and 40 μ J pulse energy, making it an ideal laser for micromachining application.

Features:

- Average Power >20W
- Pulse Duration ~400fs-6ps
- Repetition Rate 25-5000kHz
- Pulse Energy >40 μ J
- Burst Pulse Combination Energy >120 μ J
- 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-20
Center Wavelength	1035nm
Total power	>20W
Repetition Rate	25-5000kHz
Power Stability	<2%
Pulse Energy	>40μJ
Burst Pulse Combination Energy	>120μJ
Peak Power	>100MW
Pulse Width	~400fs (Optional 400fs-6ps adjustable)
Photo Response	<5us
Beam Diameter	2mm
Beam Divergence	<2mrad
State of Polarisation	Linear polarized
Sync(trigger) Output	SMA NIM pulse
Power Requirements	DC24V/8A
Dimensions (L*W*H)	648 x 448 x 212 mm
Control	RS232 or DB25

Optional 515nm Output

