

## FemtoYL-20-C

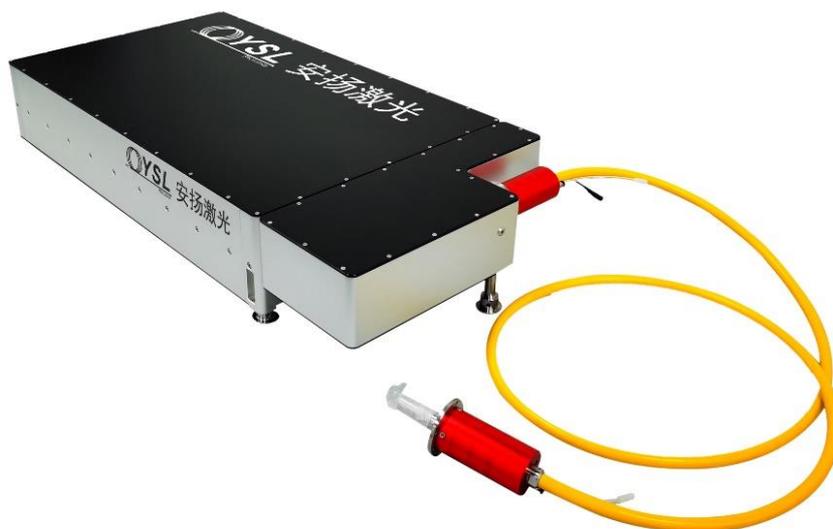
YSL Photonics' FemtoYL-20-C is the latest 20W high power femtosecond fiber laser with the optical fiber armoured cable output. FemtoYL-20-C has 20W average power output from the cable, ~200fs-10ps variable pulse width, >40 $\mu$ J single pulse energy and >100 $\mu$ J burst energy, making it very easy for micromachining application.

### Features:

- Power at armoured cable output 20W
- Pulse Duration ~300fs-10ps tunable (200fs Optional)
- Repetition Rate 25kHz-5MHz/external PSO
- Pulse Energy at armoured cable output 40  $\mu$ J/burst energy 100 $\mu$ J
- 1-10m armoured cable output customized

### Applications:

- Biological tissue cutting
- Refractive Index modification
- Integrated photonics
- Two photon polymerization
- Thin film material cutting & drilling
- Fiber grating manufacturing



**Specifications:**

Model	FemtoYL-20-C
Central Wavelength	~1035nm
Power at armoured cable output	>20W
Repetition Rate	25kHz-5MHz adjustable/PSO
Power Stability	<2%
Pulse Energy / Burst Pulse Combination Energy	>40μJ/>100uJ
Armoured Cable length	1-10m customized (typical 3m)
Output	divergent light beam output (optional for collimated free space output)
Number of Burst Pulse	1-10
Peak Power	>100MW
Pulse Width	300fs~10ps adjustable (200fs Optional)
Beam Quality	$M^2 < 1.3$
Sync(trigger) Output	SMA TTL
Control Mode	RS232 or DB25
Power Requirement	AC 100V-240V 50/60Hz Rated output>960W
Dimension	842mm*410mm*131mm

