

## FemtoYL-10

YSL Photonics' FemtoYL-10 is the latest 10W high power femtosecond fiber laser. It can deliver over 10W average power, ~400fs-6ps variable pulse width and 10 $\mu$ J pulse energy, making it an ideal laser for micromachining application.

### Features:

- Average Power >10W
- Pulse Duration ~400fs-6ps
- Repetition Rate 1Hz-5000kHz
- Pulse Energy >10 $\mu$ J
- Burst Pulse Combination Energy >100 $\mu$ 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 :**

| <b>Model</b>                   | <b>FemtoYL-10</b>                        |
|--------------------------------|--|
| Central Wavelength             | 1035nm                                   |
| Power                          | >10W                                     |
| Repetition Rate                | 1Hz-5MHz adjustable                      |
| Power Stability                | <1%                                      |
| Pulse Energy                   | >10μJ                                    |
| Number of Burst Pulse          | 1-10                                     |
| Burst Pulse Combination Energy | >100μJ                                   |
| Pulse Width                    | 400fs~6ps 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 > 960W |
| Dimension                      | 680mm*480mm*212mm                        |

**Optional 515nm Output**

