

FemtoYL-80-100-0.5

YSL Photonics' FemtoYL-80-100-0.5 is the latest high power femtosecond fiber laser.

It can deliver a 500fs pulse width and 100uJ pulse power, making it an ideal laser for micromachining application.

Features:

- Average Power 80W
- Pulse Duration 500fs
- Peak Power 100MW
- Repetition Rate 100-5000kHz
- Pulse Energy 100uJ@500fs
- $M^2 < 1.3$
- Burst Mode Function
- Optional 515nm 343nm output

Applications:

- Sapphire Dicing and Drilling
- Lion Ion Battery Foil Cutting
- Glass Dicing and Drilling
- Silicon Dicing and Drilling
- Metal Marking
- FPC Cutting
- Solar Cell PERC
- SiC Dicing and Drilling



Specifications :

| Model | FemtoYL-80-100-0.5 |
|-----------------------|---------------------|
| Center Wavelength | 1030nm |
| Total power | 80W |
| Repetition Rate | 100-5000kHz |
| Power Stability | <2% |
| Pulse Energy | 100uJ@500fs |
| Peak Power | >100MW |
| Pulse Width | ~500fs |
| Photo Response | <5us |
| Beam Quality | M ² <1.3 |
| Beam Diameter | 2mm |
| Beam Divergence | <5mrad |
| State of Polarisation | Linear polarized |
| Sync(trigger) Output | SMA NIM pulse |
| Power Requirements | DC24V/8A |
| Dimensions (L*W*H) | 400mm*336mm*138mm |
| Control | RS232 or DB25 |

Optional 532nm, 355nm Output

