

FemtoYL-UV-30/15

FemtoYL-UV is the latest industry femtosecond UV laser that based on fiber CPA technology. FemtoYL-UV has a variable pulse duration from 300fs to 10ps in the wavelength of 343nm and a high average power up to 30W. Its pulse energy can up to 60 μ J with a repetition rate of 25kHz-5MHz and an excellent beam pattern. FemtoYL-UV can provide stable 24*7 operation with a convenient maintenance, it is the best solution for preparation of display screen and the semiconductor industry.



Features:

- Central wavelength: 343nm
- Average power: 30W
- Pulse duration: 300fs-10ps
- Peak power: 200MW
- Pulse energy: 60 μ J
- Beam quality $M^2 < 1.3$

Applications:

- OLED module cutting
- 5G circuit material cutting (LCP/MPI)
- FPC material cutting/drilling
- ITO drilling/scribing
- Semiconductor cutting/scribing
- Glass, sapphire drilling/scribing

Specifications:

| | |
|------------------------------|--|
| Model | FemtoYL-UV-30/15 |
| Central Wavelength | 343nm |
| Average Power | 30W/15W |
| Repetition Rate | 25kHz-5MHz |
| Power Stability | <2% |
| Pulse Energy | 60μJ/30μJ |
| Peak Power | 200MW/100MW |
| Pulse Duration | 300fs-10ps variable |
| 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 polarized(S) |
| Sync Output | SMA TTL pulse |
| Control | RS232 |
| Power Requirements | AC 100V-240V 50/60Hz Rated output > 960W |
| Dimensions (L*W*H) | 1200mm*410mm*141mm |

