

Picosecond Pulsed Fiber Laser PicoYL-10-0.15

PicoYL-10-0.15 is launched by YSL Photonics for material micromachining. This ps fiber laser uses self-designed highly reliable seed laser which results longer lifetime and higher reliability than the traditional passively mode-locked technique, which makes it ideal for economical ownership and high precision for micro-processing.

Product Features:

- High reliable seed laser
- Burst function available
- 10W@500kHz
- Repetition rate: 50k ~ 500 kHz
- Pulse duration <150ps
- High beam quality: $M^2 < 1.3$
- Dust-proof design

Application:

- HB LED chip dicing
- Sapphire substrate dicing
- Glass dicing
- MEMS chip dicing
- Thin film dicing
- LCD repair
- Silicon wafer dicing

STANDARD SPECIFICATIONS :

Model	PicoYL-10-0.15
Total Power	> 10W@500kHz
Spatial Mode	TEM ₀₀ ($M^2 < 1.3$)
Central Wavelength	1064nm
Power Stability	< ±1% over 8H
Repetition Rate	50k-500kHz (Customized Burst function <50ns sub pulses separation)
Fundamental Pulse Width	~150ps
Beam Ellipticity	< 10%
Beam Diameter	1-2mm
Polarization	Unpolarized (Linear polarization on request)
Fiber Length	0.5m
Cooling	Integrated air cooling
Power Requirements	100-240V 50/60Hz
Dimensions (L*W*H)	340mm*260mm*125mm& 366mm*132mm*104mm
Weight	<20kg

