

## PicoYL-100-100-100

**YSL Photonics'** PicoYL-100-100-100 has a continuously tunable pulse duration from 100 ps to 500ps, repetition rates from 100 kHz up to 1 MHz and up to 100W power. The short pulse duration, high repetition rates combined with over 1MW peak power open up a variety of micromachining applications such as glass dicing, sapphire cutting, Li-Ion battery foil cutting, resistor trimming and marking of transparent material. The laser is completely controlled via an industry standard digital interface with optional DB25 or RS-232.

### Features :

- Average Power 100W
- Pulse Duration 100ps
- Peak Power 1MW
- Repetition Rate 100kHz-1000kHz
- Pulse Energy 500uJ@500ps
- $M^2 < 1.3$
- Burst Mode Function

### Applications :

- Sapphire Dicing and Drilling
- Lion Ion Battery Foil Cutting
- Glass Dicing and Drilling
- Silicon or SiC Dicing
- Metal Marking
- Chrome Vanadium Texturing
- Micromaching of Transparent materials



## Specifications :

Model	PicoYL-100-100-100
Wavelength	1030nm
Average Power	~100W
Repetition Rate	100-1000kHz
Power Stability	<2%
Pulse Energy	>100uJ@100ps or >500uJ@500ps
Peak Power	>1MW
Pulse Duration	100ps-500ps
Switch On/Off Time	<5us
Beam Quality	$M^2 < 1.3$
Beam Diameter	2mm
Beam Divergence	<5mrad
Output Polarization	Linear Polarized
Trigger	SMA
Supply Power/Current	DC24V/8A
Dimensions	1160mm*330mm*110mm
Control	RS232 or DB25