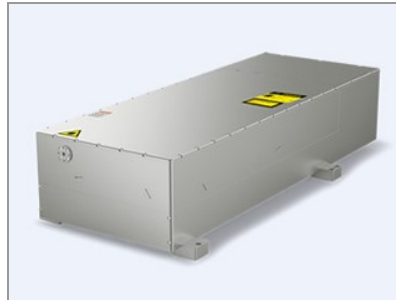


# PRODUCTS

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## Olive Low-Power Picosecond Ultra-fast Lasers

- <10 picosecond pulses
- Long term power stability <3%rms
- High beam quality with  $M^2 \leq 1.3$
- Serial Interface



### All Products

- Femtosecond Pulsed Fiber Laser
- Olive-532-4 Olive-1064-10
- **Olive-532-15 Olive-1064-30**
- Olive-1064-50
- **Poplar-355-3 Poplar-355-5**
- **Poplar-355-12 Poplar-355-18**
- Spruce-532-10 Spruce-532-20
- Spruce-532-35
- **Erai-S Olive-S**

### Parameters

	Olive-532-4	Olive-1064-10
Wavelength	532nm	1064nm
Output Power	>4W@100kHz	>10W@500kHz
Repetition Rates	50kHz-300kHz	50kHz-1000kHz
Pulse Width	<10ps	<10ps
Power Stability	≤3%	≤3%
Pulse-to-pulse Stability	≤2%rms	≤2%rms
Spatial Mode	TEM <sub>00</sub> (M <sup>2</sup> ≤1.2)	TEM <sub>00</sub> (M <sup>2</sup> ≤1.2)
Beam Diameter	≤2mm	≤2mm
Beam Divergence	≤3mrad	≤3mrad
Beam-pointing Stability	<50μrad	<50μrad
Beam Roundness	≥90%	≥90%
Polarization Ratio	Vertical, >100:1	Horizontal, >100:1
Working Material	Nd:YVO <sub>4</sub>	Nd:YVO <sub>4</sub>
Start Time	<15min	<15min
Ambient Temperature	10-35°C	10-35°C
Humidity	<65%	<65%
Cooling	Water	Water
Voltage	110/220V,50/60Hz	110/220V,50/60Hz
Power Consumption	1000W	1000W
Classification	Class 4	Class 4
Laser Head Size	801.5×300×183 mm <sup>3</sup>	801.5×300×183 mm <sup>3</sup>
Power Supply Model	P-900A	P-900A
Power Supply Size	486×411.5×88.9 mm <sup>3</sup>	486×411.5×88.9 mm <sup>3</sup>



Leading Laser Manufacturer

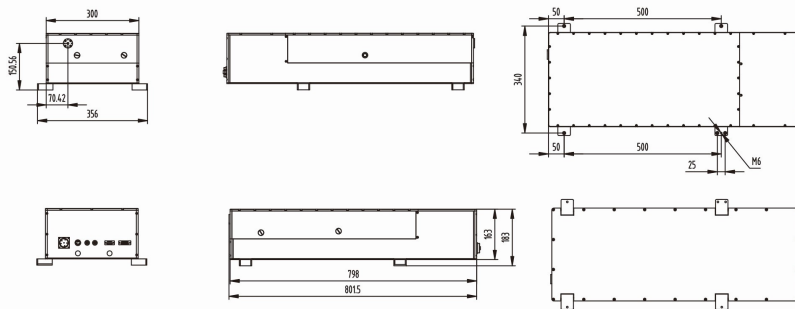
## Introduction

The Huaray-Olive series, Low-power Picosecond Ultra-fast Lasers (4W@532nm, 10W@1064nm), Robust and affordable, it produces high energy pulses with durations below 10 ps. The laser is based on a hybrid optical amplifier architecture that combines the advantages of fiber laser technology with solid state diode pumped multi-pass amplifiers. Compact and water-cooled, this laser is low maintenance and never needs realignment. special specification can be customized, this laser is ideal for fast, high precision material processing at an affordable price.

## Application

They are widely used in Micro-machining, Ceramic Processing, Glass Cutting, Medical Plastic Processing, Sapphire Processing, Steel Processing, Laser Deposition, Thin Film Patterning, Hard Materials Machining and so on.

## Size



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