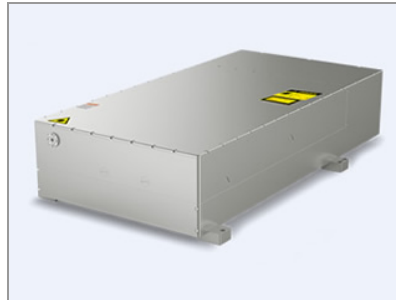


PRODUCTS

[HOME >> Products](#)

Olive High-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-1064-50
Wavelength	1064nm
Output Power	>50W@500kHz
Repetition Rates	200kHz-1000kHz
Pulse Width	<10ps
Power Stability	≤3%
Pulse-to-pulse Stability	≤1%rms
Spatial Mode	TEM ₀₀ (M ² ≤1.3)
Beam Diameter	≤2mm
Beam Divergence	≤3mrad
Beam-pointing Stability	<50μrad
Beam Roundness	≥85%
Polarization Ratio	Horizontal, >100:1
Working Material	Nd:YVO ₄
Start Time	<15min
Ambient Temperature	10-35°C
Humidity	<65%
Cooling	Water
Voltage	110/220V,50/60Hz
Power Consumption	2000W
Classification	Class 4
Laser Head Size	801.5×410×183 mm ³
Power Supply Model	P-1200A
Power Supply Size	486×411.5×88.9 mm ³



Leading Laser Manufacturer

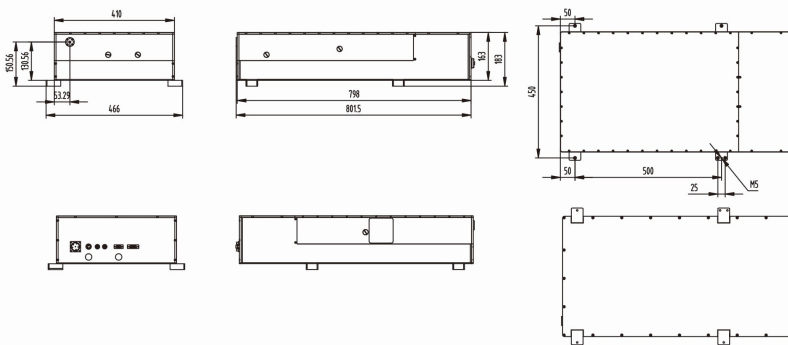
Introduction

The Huaray-Olive series, High-Power Picosecond Ultra-fast Lasers (50W@1064nm) is a compact and powerful, hybrid fiber/free space amplified Ultra-fast laser. With pulses shorter than 10ps, this laser is ideal for fast, high precision micro-machining and material processing of any material. The robust laser combines the advantages of fiber laser technology with solid state diode pumped free space amplification. Compact and water-cooled, this laser is low maintenance and easy to integrate with other equipment.

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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Site Map

- [Home](#)
- [Products](#)
- [Application](#)
- [About Us](#)
- [Contact Us](#)
- [Chinese Version](#)
- [Mailbox](#)

Products

- Femtosecond Laser
- Olive-532-4 Olive-1064-10
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