

# PRODUCTS

[HOME >> Products](#)

## Spruce Low-Power Nanosecond UV Lasers

- Stable output of power and pulse width
- Excellent beam quality,  $M^2 < 1.2$
- High beam pointing stability
- Wide repetition rate range: 20-200kHz
- Controllable with RS232 interface
- Unique Intracavity frequency doubling technology.
- Triggerable external



### 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

	<b>Spruce-355-3</b>	<b>Spruce-355-5</b>
Wavelength	355nm	355nm
Output Power	>3W@40kHz	>5W@40kHz
Repetition Rates	20kHz-200kHz	20kHz-200kHz
Pulse Width	<20ns@40kHz	<20ns@40kHz
Power Stability	≤3%rms	≤3%rms
Pulse-to-pulse Stability	≤3%rms	≤3%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	≤10mm	≤10mm
Beam Divergence	≤2mrad	≤2mrad
Beam-pointing Stability	<25μrad	<25μrad
Beam Roundness	≥90%	≥90%
Polarization Ratio	Horizontal, >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	500W	600W
Classification	Class 4	Class 4
Laser Head Size	506×185×84 mm <sup>3</sup>	506×185×84 mm <sup>3</sup>
Power Supply Model	S-500B	S-500B
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

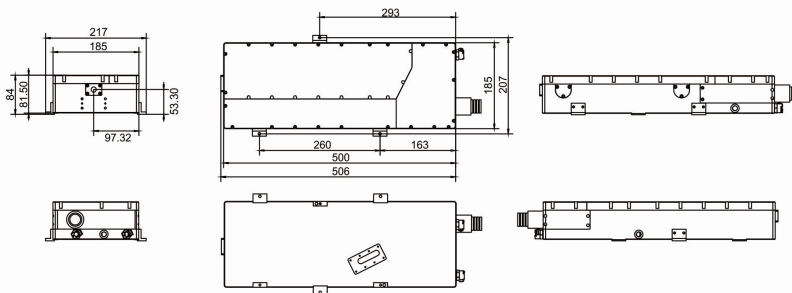
Huaray-Spruce Low Power UV DPSS Lasers (3W/5W) is featured with compact structure design ensuring great performance and beam transmission. Especially, in mass production, still can keep very high stability and reliability, which can satisfy all kinds of industrial manufacturing even in harsh working condition.

This laser is low maintenance and easy to integrate with other equipment, can save a lot of time, money and energy.

## Application

They are widely used in 3C industry marking, white plastic and electrical enclosure tag marking. Processing on the fly in food, medical packing and various package material, removal of metal and non-metal coating, scribing for various materials, blind slot processing, as well as new ultra-thin metal foil and other microprocessing.

## Size



Huaray Laser All rights reserved

鄂ICP备10204937号-1

鄂公网安备42018502001358号

## Site Map

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

## Products

Femtosecond Laser  
[Olive-532-4](#) [Olive-1064-10](#)  
[Olive-532-15](#) [Olive-1064-30](#)  
[Olive-1064-50](#)  
[Poplar-355-3](#) [Poplar-355-5](#)  
[Poplar-532-7](#)  
[Poplar-355-12](#) [Poplar-355-18](#)  
[Spruce-355-3](#) [Spruce-355-5](#)  
[Spruce-532-10](#) [Spruce-532-20](#)  
[Spruce-532-35](#)

## Contact us

Int.Call:86-(0)27-87929683  
Fax:86-(0)27-65332638  
E-mail:[info@huaraylaser.com](mailto:info@huaraylaser.com)  
Website:[www.huaraylaser.com](http://www.huaraylaser.com)

