

## Nanosecond Green DPSS Lasers

Spruce-532-20



Pictures for reference only

Huaray-Spruce Mid-Power Nanosecond Green DPSS Lasers (20W) especially designed for industrial micro-machining field with high-quality laser beam, have the best reliability in industrial field of 24/7, which is suitable for industrial manufacturing environment. Meanwhile, they are characterized by long lifetime, shortest average maintenance time and low usage cost.

The products are mainly used in FPC/PCB cutting, ceramic drilling dicing, glass/wafer cutting, applications of electronic packaging separated monomer; microporous production of material specific metal; clear the surface of the film, amorphous silicon thin film solar panels coated dash, etc., and is suitable for most metal and non-metallic surface machining or processing of the plated layer.

## Product Datasheet

Model	Spruce-532-20
Average Power	>20W@50kHz
Wavelength	532nm
Pulsenergie	>400μJ@50kHz
Pulse Width	<20ns@50kHz
Pulse Repetition Rate	20kHz-200kHz
Spatial Mode	TEM <sub>00</sub> (M <sup>2</sup> ≤ 1.2)
Working Material	Nd:YVO <sub>4</sub>
Beam-pointing Stability	<25μrad
Beam Roundness	≥90%
Beam Diameter	≤ 2mm
Beam Divergence	≤2mrad
Pulse Stability	≤3%rms
Long-Term Stability	≤3%rms
Ambient Temperature	18-35°C
Cooling	Water
Polarization Ratio	Horizontal, >100:1
Power Consumption	800W
Classification	Class4

## Product Size(mm)

