

PORTABLE UV LASER MARKER

Upgraded version

New upgrade

Small and portable design
make the work more
convenient

3-5W

Low Power



Product introduction

The Portable UV Laser Marker has three output wavelengths for customers to choose, 355nm UV. For 355nm ultraviolet laser, the average output power is 1-5W optional. The laser repetition frequency is adjustable in the range of 20KHz-200KHz, and the laser beam quality M square factor is less than 1.2. One-piece design, the internal drive circuit board is integrated, and the laser output can be obtained by connecting the external 12V power supply. Without adjusting frame, the laser has stable mechanical performance and can run stably for a long time.

Product Features and Advantages

- ① All-in-One design
- ② Strong mechanical stability
- ③ Strong resistance to external temperature interference
- ④ Good beam quality
- ⑤ High long-term work stability
- ⑥ Class 1000 dust-free workshop installation
- ⑦ Remote computer control
- ⑧ External TTL and PWM control
- ⑨ Adjustable repetition frequency 20-200 KHz

Applications

- Laser Marking
- Micro hole machining
- rapid prototyping
- Scientific research
- Ceramic cutting
- Material micromachining
- Thin film etching
- Wafer cutting

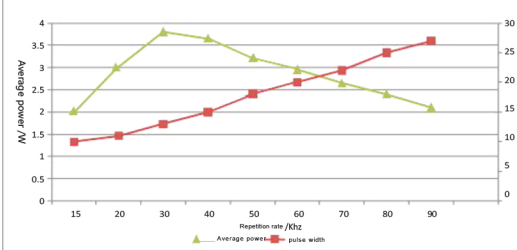


TRIANGLE series

a ir-cooled laser specification

	DIUV-03	DIUV-05
Wavelength	355nm	355nm
Output power	>3W@30KHz	>5W@40KHz
Maximum pulse energy	0.1mJ@30KHz	0.12mJ@40KHz
Pulse Repetition Frequency	1-150KHz	1-150KHz
Pulse duration	<15ns@30KHz	<18ns@40KHz
Average power stability	<3%	<3%
Spatial mode	TEM ₀₀ (M ² <1.5)	TEM ₀₀ (M ² <1.5)
Polarization ratio	>100:1 Horizontal	>100:1 Horizontal
1/e2 beam diameter at output	0.7mm	0.8mm
Beam circularity	>90%	>90%

Laser optical performance parameters (DIUV-03 05)

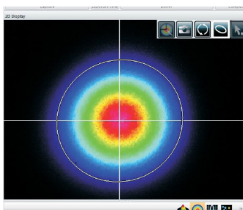


Beam circularity

Laser long axis spot diameter/um: 1730

Laser short axis spot diameter/um: 1618

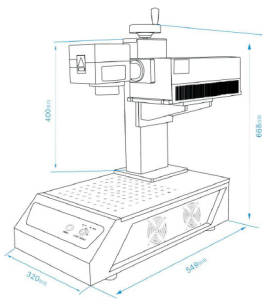
Laser beam circularity: 93%



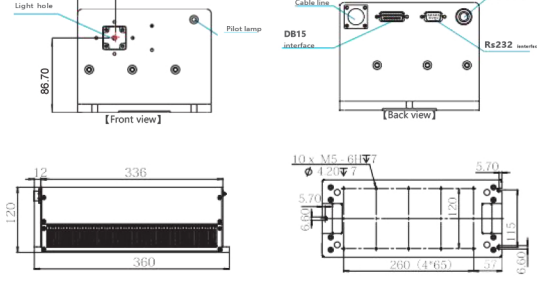
RIANGLE series air-cooled laser model diagram

Product size

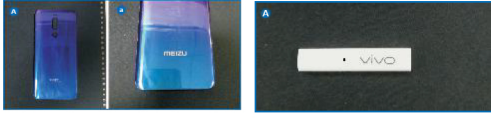
Height 668mm
Width 320mm
Length 549mm
Movements itinerary 400mm



Laser size



Product samples



Product display

