

NANO UV LASER

# H9-355 Series

## 15W/20W/25W

Nanosecond UV Laser



Laser wavelength

**354.7nm**

Pulse Width

**<15ns**

Pulse-to-Pulse Stability

**<2% rms**

### Application

This type of laser is designed specifically for marking, precision cutting, precision drilling, laser wire stripping, and glass engraving.

PARAMETER	INDEX	DESCRIPTION
Laser wavelength	354.7nm	
Average Output Power	15W/20W/25W	@50kHz
Pulse Width	<15ns	@50kHz
Pulse Repetition Rate	40-100kHz	
Spatial Mode	TEM00	
M <sup>2</sup>	<1.3	
Beam Diameter	0.8±0.2mm	Measured at window
Beam Full Divergence Angle	<3mrad	
Beam Circularity	>90%	
Pulse-to-Pulse Stability	<2%	RMS/@50kHz
Average Power Stability	<3%	RMS/8hr
Beam-Pointing Drift	<20μrad/°C	
Polarization Ratio	>100:1	
Polarization Orientation	Vertical	
Operating Temp. & RH	10°C to 35°C	
	<80%	
Storage Temp. & RH	-20°C to 65°C	
	<90%	
Electricity Requirement	100-240VAC	Single phase
	50/60Hz	
Power Consumption	<800W	

Laser power and other characteristics can be optimized in different repetition frequency ranges;  
The temperature referred to is the ambient temperature.



Laser wavelength at 354.7nm, repetition rates cover a wide range (20kHz to 200kHz), laser power covers a range of 15W/20W/25W;



Exceptional beam quality ( $M^2 < 1.3$ ), absolutely assured in all repetition rates; relatively short pulse width  $< 15\text{ns}@30\text{K}$  with little heat affected zone (HAZ);



Unique Q-switching technology, adapts a variety of control requirements of laser applications; longer laser lifespan and more stable operation;



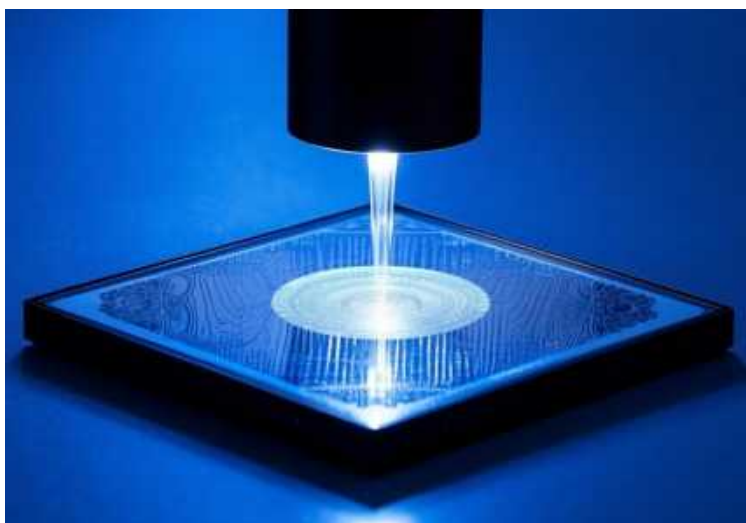
All-digital intelligent power control technology, easy to operate and convenient to monitor;



Support computer communication and external control of the laser via RS232;



All-in-one design, convenient for equipment integration.



Surface Processing



Glass Engraving



Film Etching



Removal Of Metal Oxide Layer



SHENZHEN RFH LASER TECHNOLOGY CO., LTD.

Add: 2nd Floor, Building M10, Central District, High-tech Industrial Park, Nanshan District, Shenzhen

Tel: +86-755-86375012 Fax: +86-755-86028961

Email: sales@rfhlasertech.com [Http://www.rfhlasertech.com](http://www.rfhlasertech.com)

Service Hotline: +86-755-86375012



瑞丰恒公众号 RFH-Laser