

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 ²	<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 50/60Hz	Single phase
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 354.7mm, 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 <15ns@30K 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;



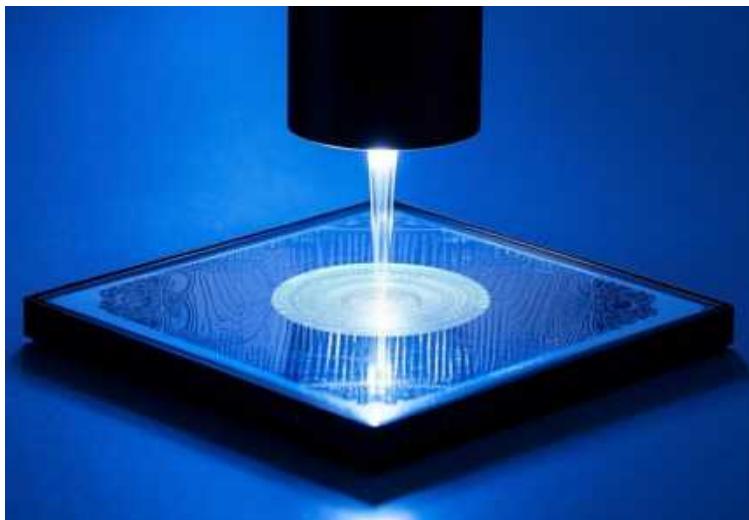
All-digital intelligent power control technology, easy to operate and convenient to monitor;



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



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