

NANO GREEN LASER
Expert III 532 Series

35W

Nanosecond Green Laser



Laser wavelength

532nm

Pulse Width

<25ns

Pulse-to-Pulse Stability

<2%rms

Application

Products of this series are specifically designed for laser marking machine, high precision cutting machine, high precision drilling machine, laser wire stripping machine, glass inner engraving machine and so on.

PARAMETER	INDEX	DESCRIPTION
Laser wavelength	532nm	
Average Output Power	35W	@50kHz
Pulse Width	<25ns	@50kHz
Pulse Repetition Rate	10-200kHz	
Spatial Mode	TEM00	
M ²	<1.2	
Beam Diameter	1.0±0.2mm	Measured at window
Beam Full Divergence Angle	<1.2mrad	
Beam Circularity	>90%	
Pulse-to-Pulse Stability	<2%	RMS/@30kHz
Average Power Stability	<3%	RMS/8hr
Beam-Pointing Drift	<30μrad/°C	
Polarization Ratio	>100:1	
Polarization Orientation	Horizontal	
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 532nm, repetition rates cover a wide range(10kHz to 200kHz) ;



Exceptional beam quality ($M^2 < 1.2$), absolutely assured in all repetition rates; relatively short pulse width $< 14\text{ns}$ @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.



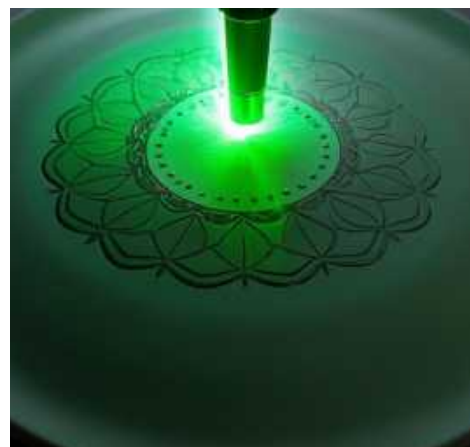
Glass Marking



Film Etching



Removal Of Metal Oxide Layer



Surface Processing



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