

## 532 Green Laser-35W



### The product description

Covers 35w in laser power with short pulse width (<25ns@50K) , superior beam quality ( $M^2 < 1.2$ ) and perfect laser spot quality (beam circularity >90%). It is perfect for glass marking, thin film etching and surface treatment for most of the metals and non-metal materials, such as removing the oxide layer from the metal surface

#### Characteristics of laser

1. 532nm output wavelength, 10 to 200 Hz repetition rate; laser power is 35w; Continuous tuning of repetition rate while maintaining constant pulse energy, superior beam pointing and energy stability make the Expert first choice for micromachining, marking and thin film removal applications
2. Exceptional beam quality ( $M^2 < 1.2$ ), absolutely assured in all repetition rates; relatively short pulse width <25ns@50K with little heat transfer to surrounding material; perfect beam spot quality (Beam Circularit>90%)  
Close to Gaussian smooth beam profile with low value  $M^2 < 1.2$  and good focusability are beneficial for applications such as
3. Unique Q-switching technology, adapts a variety of control requirements of laser applications; Online refreshment for harmonic coupling technology; Excellent long term power stability Rugged sealed cavity, Extremely compact size, Simple and robust
4. Digital control technology for the driver, RS232 control interface ensures easy control and integration with laser marking equipment
5. This laser adopts one - style design with compact and reasonable structure, easy installation.



Easy to transport and saves space due to compact and light design

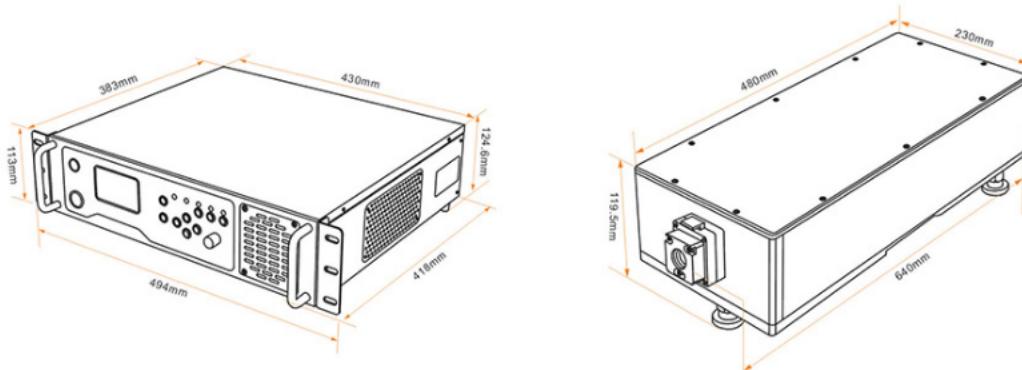
Water cooling, cost-effective and reliable end-pumping technology and amplifier-free DPSS design guarantee easy operation and alignment simple installation and low maintenance costs

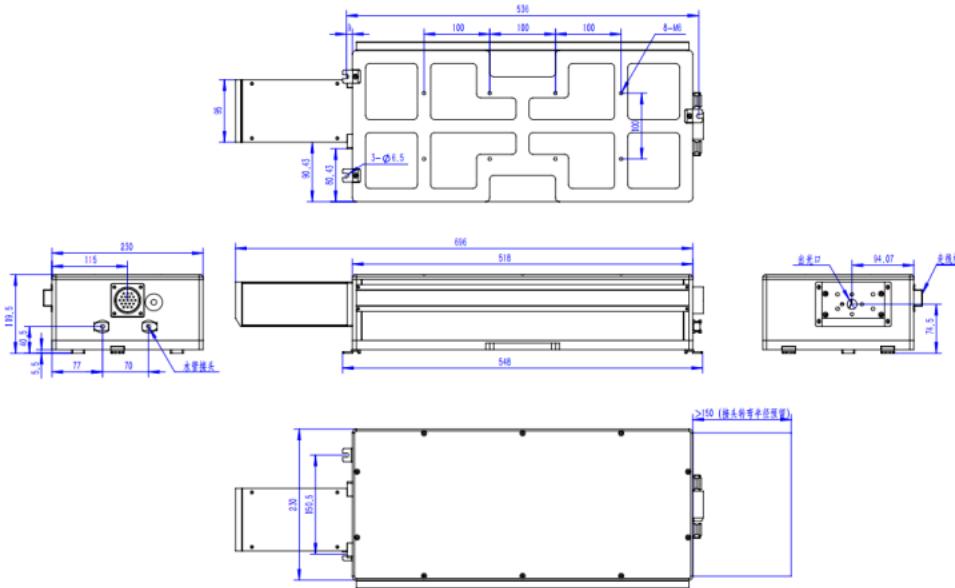
6. Industrial production process control technology, provides quality stable products.

## Technical indicators

Model No.	GT-R532-35W	
Laser wavelength,nm	532	instructions
Average Output Power,W	>35	@50kHz
Pulse Width,ns	<25	@50kHz
Pulse Repetition Rate,kHz	20-200	
Spatial Mode	TEMoo	
(M2)	<1.2	
Beam Diameter,mm	1.0±0.2	Measured at window
Beam Full Divergence Angle,mrad	<1.2	
Beam Circularity,%	>90	
Pulse-to-Pulse Stability,%	<2	RMS/@30kHz
Average Power Stability,%	<3	RMS/8hr
Beam-Pointing Drift,µrad/°C	<30	
Polarization Ratio	>100:1	
Polarization Orientation	Horizontal	
Operating Temp. & RH	10 to 35°C	
	<80%	
Storage Temp. & RH	-20 to 65°C	
	<90%	
Electricity Requirement	100-240 VAC	Single phase
	50/60Hz	
Power Consumption	<500W	

## Structure size





Full-digital display, supporting communication with computer, capable of laser's remote control

