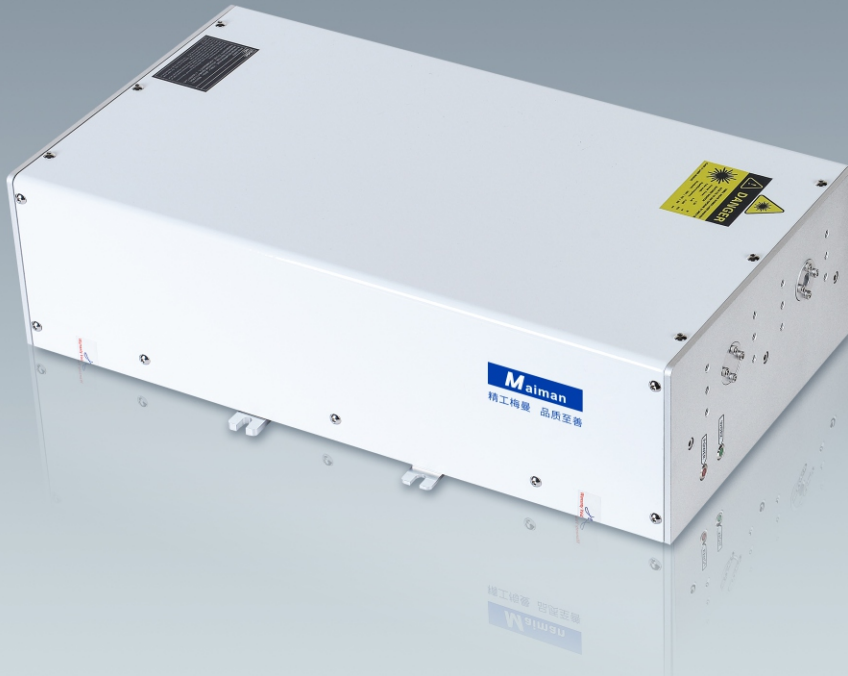


Green series 532nm high energy green laser



16-20W

The laser power

IP65

Protection grade IP65

20000hrs⁺

The service life

Introduction

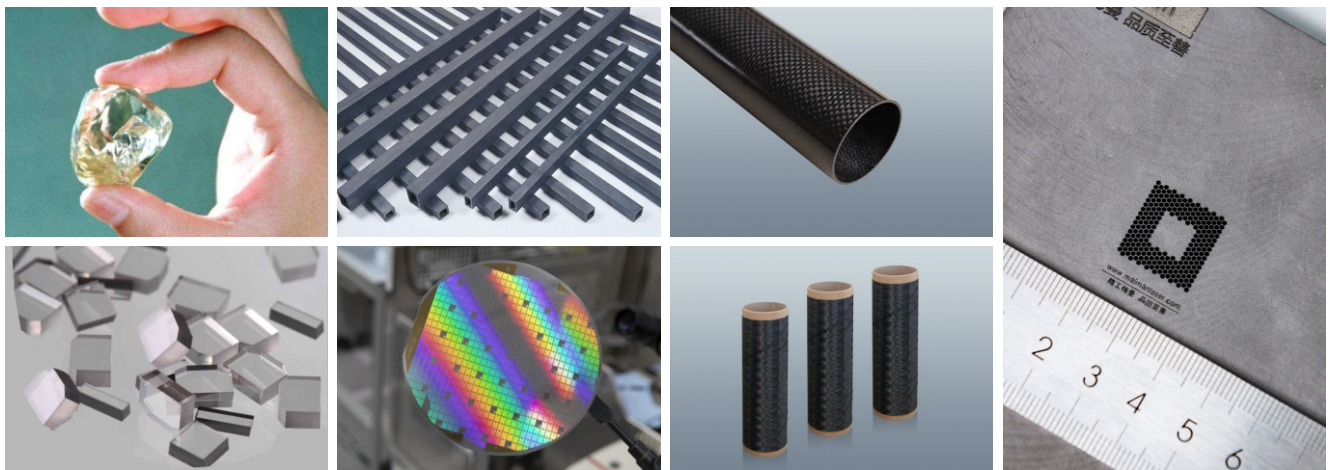
Maintenance-free, no need for regular commissioning, effectively solve power attenuation; long life which is far better than similar products.

Features

- The laser power 16-20W;
- Patented technology to solve the power attenuation after long-term use;
- Compared with other brands, no need to adjust the optical path regularly, completely maintenance-free, with a service life >20000 hours;
- All-in-one machine, highly integrated, customers don't need to purchase additional accessories;
- Superior beam quality $M^2 < 1.1$, deeper cutting and better effect;
- 3 layers of protection, protection grade IP65, more suitable for harsh working environment.

Application

- Carbon material cutting - Diamond, Silicon carbide, Carbon fiber, etc.
- Graphite engraving



Specifications

Model No.	MMEPG-532-16-HE	MMEPG-532-20-HE
Optical Characteristics		
Wavelength (nm)	532nm	
Average Power (W)	>16W@10kHz	>20W@10kHz
Single Pulse Energy (uJ)	~1600uJ@10kHz	~2000uJ@10kHz
Pulse Width (ns)	~22ns@10kHz	
Repetition Rate	7kHz-20kHz	
Pulse Stability	<3% rms	
Long Term Stability	<±3%	
Beam Characteristics		
Polarization Ratio	Vertical;>100:1	
Beam Diameter	~1mm(at exit)	
Beam Circularity	>90%	
Spatial Mode	TEM ₀₀ , M ² <1.1	
Operating Specifications		
Warm-up Time	<15 minutes from cold start	
Electrical Requirement	DC24V, 500W	
Ambient Temperature	10-35°C, RH<80%	
Storage Conditions	-10-40°C, RH<90%	
Physical Characteristics		
Cooling System	Water-Cooled	
Water Temperature (laser inlet)	25°C	

Dimensional Drawings

