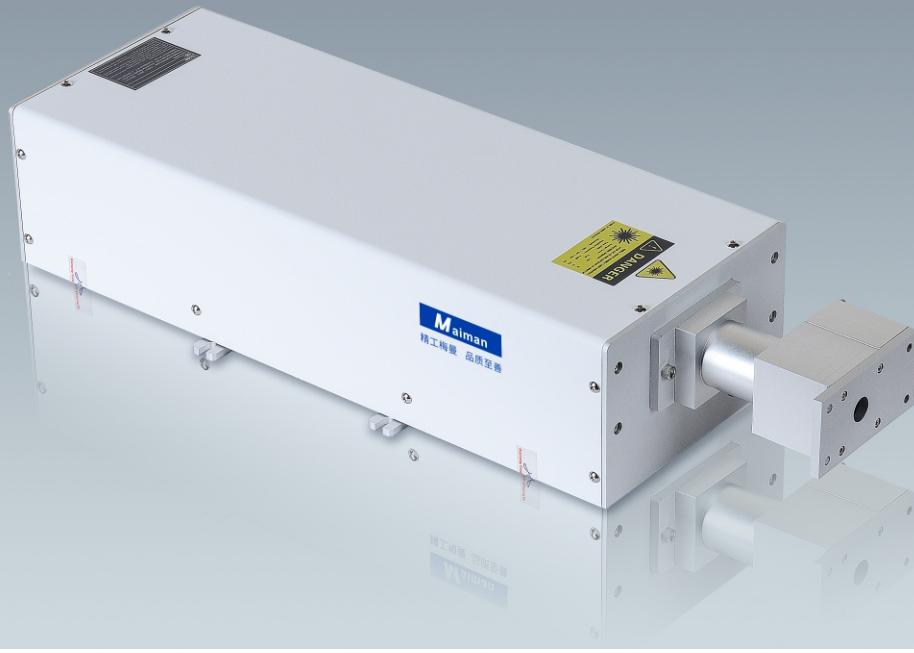


Green series 532nm high power green laser



10-20W

The laser power

IP65

Protection grade IP65

20000hrs⁺

The service life

Introduction

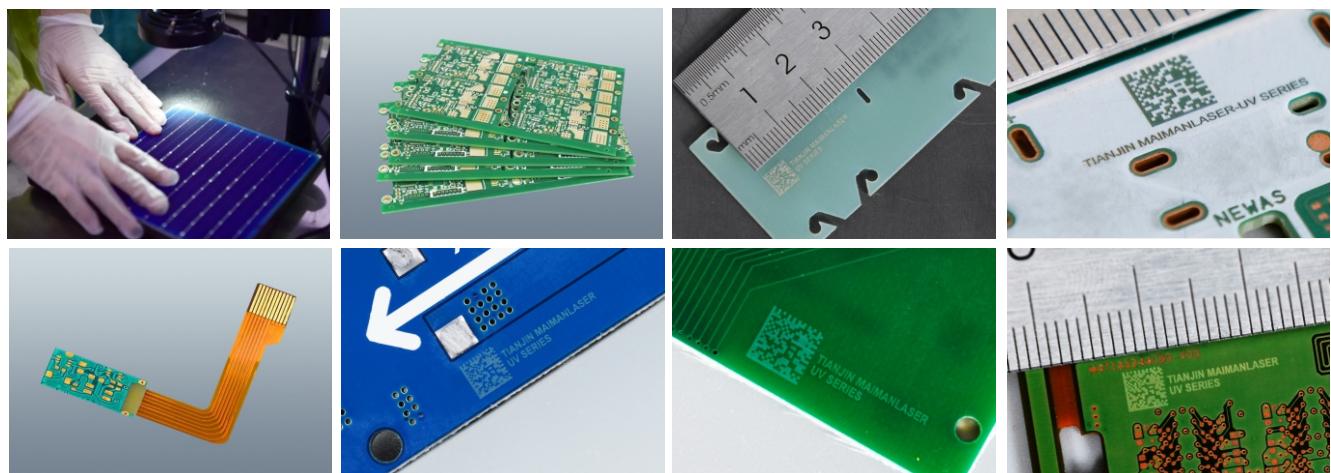
Superior beam quality and high laser power, capable of PCB&FPC cutting and marking easily, with more stable performance.

Features

- The laser power 10-20W;
- Higher power stability to ensure the consistency of long-term processing;
- Superior beam quality, capable to provide a smaller focusing spot and higher processing efficiency;
- Water-cooled, 3-layer protective shell, protection grade IP65, suitable for harsh working environment;
- All-in-one structure, no need for regular commissioning, maintenance-free and easier to integrate;
- Ultra-high stability to meet 7*24 hours of work, the service life exceeds 20,000 hours.

Application

- Solar cell scribing
- Precision cutting
- PCB&FPC marking



Specifications

Model No.	MMEPG-532-10	MMEPG-532-15	MMEPG-532-20
Optical Characteristics			
Wavelength (nm)		532nm	
Average Power (W)	>10W@40kHz	>15W@40kHz	>20W@40kHz
Single Pulse Energy (uJ)	~250uJ@40kHz	~370uJ@40kHz	~500uJ@40kHz
Pulse Width (ns)		~15ns@40kHz	
Repetition Rate		20kHz-500kHz	
Pulse Stability		<3% rms	
Long Term Stability		<±3%	
Beam Characteristics			
Polarization Ratio		Vertical;>100:1	
Beam Diameter		6mm(Built in beam expander)	
Beam Circularity		>90%	
Spatial Mode		$TEM_{00}, M^2 < 1.2$	
Operating Specifications			
Warm-up Time		<15 minutes from cold start	
Electrical Requirement		DC12V, 350W	
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

