

UV-stone series & stone plus series UV lasers

3-12W

The laser power

7x24^h

Meet 7*24 hours of work

20000hrs⁺

The service life



Introduction

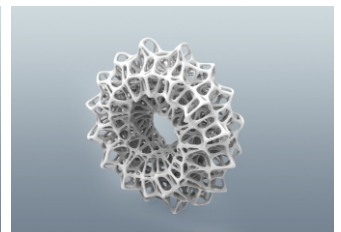
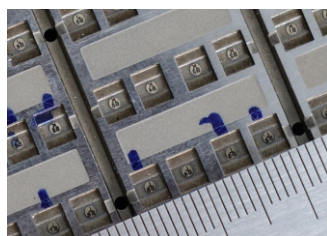
Stone series, with ultra-high cost performance, can meet 7*24 hours manufacturing; Stone plus series, stronger performance, more adaptable to complex and harsh environments.

Features

- The laser power 3-12W;
- Solve power attenuation and meet 7*24 hours of work;
- The service life exceeds 20,000 hours, maintenance-free, no need for regular commissioning;
- All-in-one machine, directly installed with galvanometer, compatible with the rack of fiber laser marking machine;
- 3 layers of protection, protection grade IP65, more suitable for harsh working environment.

Application

- Material marking - plastic, glass, metal molds, wood, packaging bags, jade, etc.
- Crystal internal engraving
- 3D printing
- Film cutting



Specifications

Model No. -Stone Series	MMEPU-355-3	MMEPU-355-5	MMEPU-355-8	MMEPU-355-10	MMEPU-355-12
Model No.-Stone Plus Series	MMEPU-355Plus-3	MMEPU-355Plus-5	MMEPU-355Plus-8	MMEPU-355Plus-10	MMEPU-355Plus-12
Optical Characteristics					
Wavelength (nm)	355nm±1nm				
Average Power (W)	>3W@30kHz	>5W@30kHz	>8W@40kHz	>10W@40kHz	>12W@40kHz
Single Pulse Energy (uJ)	~100uJ@30kHz	~160uJ@30kHz	~200uJ@40kHz	~250uJ@40kHz	~300uJ@40kHz
Pulse Width (ns)	~15ns@30kHz		~15ns@40kHz		
Repitition Rate	20-500kHz		40-500kHz		
Pulse Stability	<3% rms				
Long Term Stability	<±3%				
Beam Characteristics					
Polarization Ratio	Horizontal;>100:1				
Beam Diameter	~0.8mm(at exit)/~5mm(6X beam divergence)				
Beam Circularity	>90%				
Spatial Mode	TEM ₀₀ ,M²<1.3				
Operating Specifications					
Warm-up Time	<15 minutes from cold start				
Electrical Requirement	DC12V,350W			DC15V,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

