

Maiman Laser Series Catalog

The logo for Maiman, featuring the word "Maiman" in white, bold, sans-serif font on a dark blue rectangular background.

Superb Technology & Optimum Quality

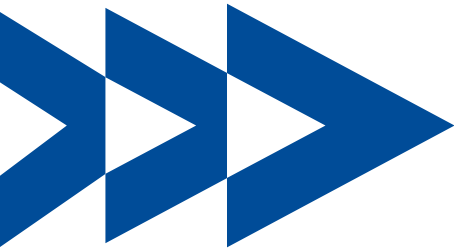
Corporate values

Self-improvement, Professionalism Integrity

Company positioning

A leader in laser micromachining industry of China,
providing a full range of solutions from device-equipment-service
to the global laser micromachining industry.

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Company Profile

Founded in 2010, Tianjin Maiman Laser Technology Co., Ltd. is a leading manufacturer of industrial-grade solid-state lasers and a national high-tech enterprise.

"Superb technology, optimum quality", Maiman Laser has always been committed to the R&D, manufacturing and sales of high-performance and high-stability lasers. We take technological innovation as our core competitiveness, continuously improve our own technical reserves and technological innovation capabilities, and have obtained more than 60 patents by 2021. From infrared to deep ultraviolet, from nanosecond to femtosecond, from narrow linewidth to tunable, Maiman has in-depth theoretical research and productization experience. From theoretical analysis to device selection of lasers, from laser optical design to development of electronic control system, from mechanical structure design to production process optimization, we keep cautious and improving. With the awe of science and the persistence of technology, Maiman is doing a good job in every product in a down-to-earth manner.

Maiman Laser serves the global market, providing high-quality laser source products and solutions for integrated circuits, solar manufacturing, automotive industry, medical industry, consumer electronics, etc. By the end of 2023, Maiman has delivered more than 50,000 laser products in batches and served more than 2,000 customers to push the development of global enterprises.

60⁺

60⁺ Patented technology

2000⁺

2,000⁺ Global customers

50000⁺

50,000⁺ Cumulative sales



Manufacturer of Industrial Grade Solid State Lasers



2010

Tianjin Maiman Laser Technology Co., Ltd. was established.

2014

- Maiman's first 20W-class 1064nm active Q-switched end-pumped laser entered the market to meet the processing needs of light-transmitting products in the fields of automobiles and consumer electronics.

2017

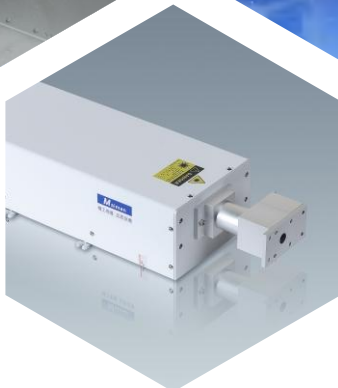
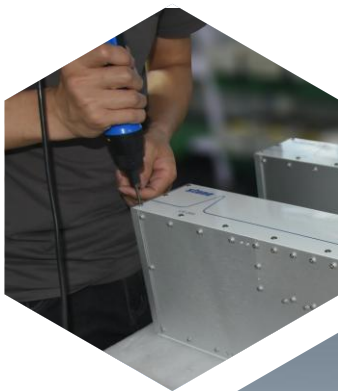
- Won the honorary title of Tianjin Key New Product;
- The cumulative delivery quantity of lasers exceeded 10,000 sets.

2013

- Created a commercialized technical solution based on passive Q-switched laser technology internationally, and launched the 1064nm fiber end-pumped laser firstly in China, breaking the pattern that it is difficult for solid-state lasers to compete with fiber lasers. This product has laid a foundation for the rapid development of Maiman;
- More than 160 sets of lasers were sold.

2015

- Maiman entered the diamond processing industry and participated in the Munich Optoelectronics Exhibition in India for the first time, showing the 1064nm diamond planning laser;
- Launched the series of high-power 532nm active Q-switched green lasers and fiber type green lasers;
- Started the R&D of UV lasers to create a new technical route and product route;
- The cumulative delivery quantity of lasers exceeded 5000 sets.



2019

- Launched the UV laser with completely independent property rights and independent design in October after four and a half years of R&D, which became a milestone event for Maiman, created a new technical route, and solved the key technical problems perfectly such as laser power attenuation and low power;
- Signed a long-term cooperation agreement with Sanquan Foods to become the designated laser supplier;
- UV lasers entered the purchase lists of Master Kong and Mengniu;

2021

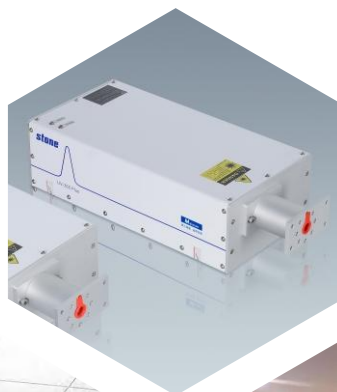
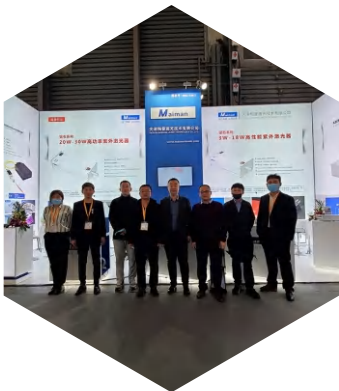
- Completed Series A financing;
- The cumulative quantity of laser products delivered reached 32,000 sets.

2018

- Won the title of National High-tech Enterprise and Tianjin High-tech Enterprise.

2020

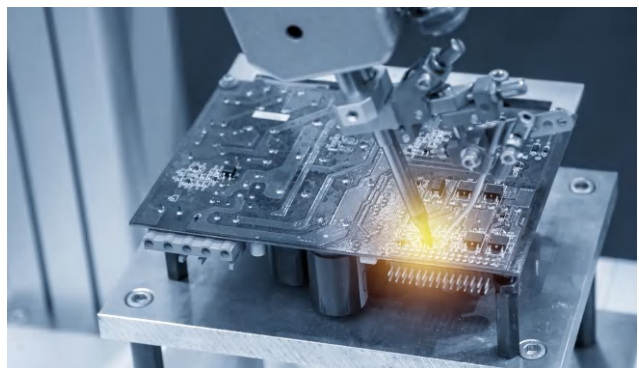
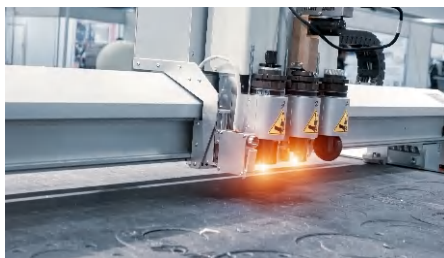
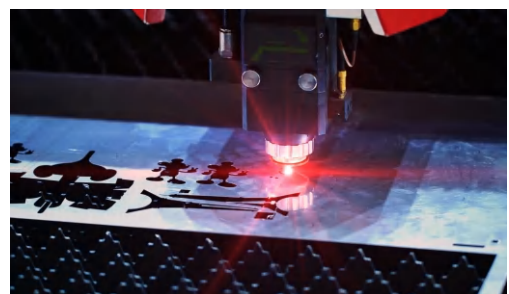
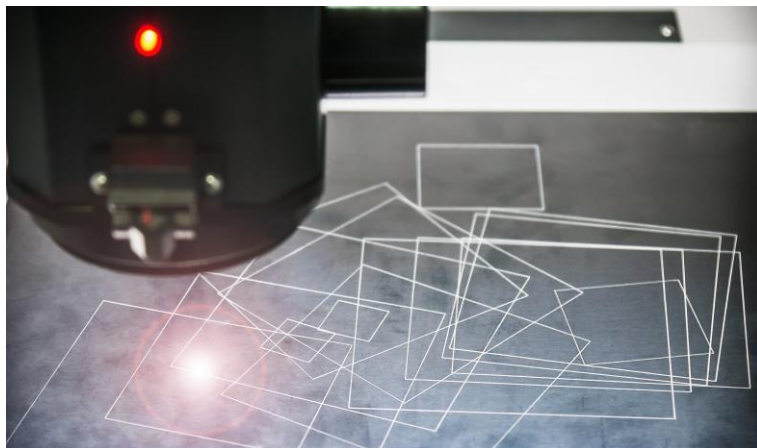
- Launched 27W UV laser products, the highest power level in China;
- Won the title of Tianjin Gazelle Enterprise.



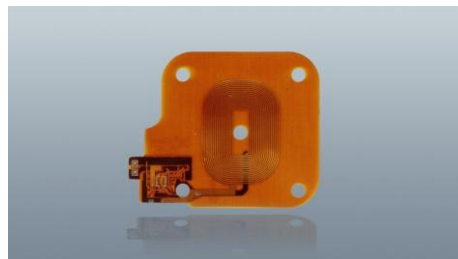
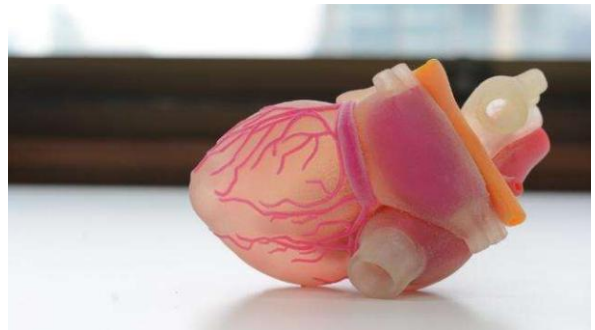
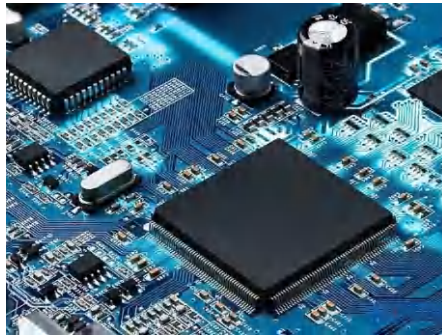
Technical Strength

Tianjin Maiman Laser Technology Co., Ltd. has always paid attention to talent construction and training. Academician Yao Jianquan of the Chinese Academy of Sciences is specially employed as the chief scientific and technological consultant. The leading members of the technical team are all graduated from Tianjin University with a doctorate degree, and have more than 15 years of practical experience in the field of laser, experienced in both research and practice. In addition, Maiman Laser maintains close cooperation with universities and scientific research institutions such as Tsinghua University, Peking University, Tianjin University, Changchun Institute of Optics and Mechanics, Beijing University of Technology, Changchun University of Technology, Tianjin University of Technology, etc. to provide continuous power for the company in terms of technology reserve, product R&D and technology expansion.

Maiman Laser attaches great importance to product R&D and technological innovation. A complete R&D management system and a high-standard R&D center have been built at the beginning of the company's establishment, which are responsible for the management of scientific research projects and laser product R&D. The company continuously explores and studies the technical issues involved in beam transmission, solid-state lasers, pulse lasers, fiber lasers, ultrafast lasers, optical devices, etc. and increases the scientific research investment year by year to support the independent innovation of the enterprise.



Since its establishment, Maiman has launched a number of high-tech original laser products, covering nanosecond and ultrafast lasers with a variety of wavelengths and pulse widths. With more than 60 patents, it has won the titles of national and Tianjin high-tech enterprises for many times, and has become the backbone of development and innovation in the laser industry of Tianjin and the whole country.



Superb Technology & Optimum Quality



The patent certificate

Qualification certificate

Acknowledgment of Material Processing Laser Products Initial Product Report ZPT15052-000



This message is to acknowledge receipt of your Initial Product Report, which was filed pursuant to the regulations for the administration and enforcement of the Radiation Control for Health and Safety Act of 1968 (Title 21, Code of Federal Regulations, Subchapter L as they pertain to the submission information description below, at your submission of a report, it has been filed according to reporting requirements in Title 21, Code of Federal Regulations (CFR), Part 1002. Your submission has been assigned an Initial Product Report Number (IPR) "00000".

WARNING: THE ACCESSION NUMBER ASSIGNED TO YOUR SUBMISSION DOES NOT IMPLY CONVEY OR CONSTITUTE FDA APPROVAL OR REJECT, APPLICATION FOR VARIATION OR EXEMPTION, NOTIFICATION, OR ANY OTHER SUBMISSION OR ITS CONTENTS. THE ACCESSION NUMBER IS ONLY AN ACKNOWLEDGMENT THAT FDA HAS RECEIVED YOUR SUBMISSION. IT MAY BE REVOKED BY FDA. ITS DISCLOSURE IS YOUR RESPONSIBILITY. IT IDENTIFIES YOUR SUBMISSION FOR PRODUCTS OR PRODUCT MODELS IDENTIFIED IN THIS MESSAGE.

Be advised that failure to comply with FDA regulations may result in notification of affected persons and corrective actions of the type that are also applied pursuant to 21 CFR Part 1003, Discovery of Defect or Failure to Conform and 21 CFR Part 1004 - Repurchase, Repair, or Replacement of Electronic Products.

Please be aware that the following CEPR Product Code(s) have been assigned to the product(s) described in this report: IPR defined as Laser Class

If these products will be shipped to the United States, the shipping label will need to provide the full FDA Product Code at the time of entry, enclosed as follows:

000-00

Shenzhen ZKT Technology Co., Ltd.
10, No. 101, Building B, No. 6, Tiegang Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Certificate of Compliance

Certificate Number: ZKT-202016188C

Certificate's Holder: TIANJIN MAIMAN LASER TECHNOLOGY CO., LTD
201 D3-D, East Huigu Industrial Park, Xiqing District, Tianjin City

Manufacturer: TIANJIN MAIMAN LASER TECHNOLOGY CO., LTD
201 D3-D, East Huigu Industrial Park, Xiqing District, Tianjin City

Trade Mark: Maiman

Product: UV 355 nm Laser

Model(s): MMEPU-355-30
MMEPU-355-2, MMEPU-355-4, MMEPU-355-5, MMEPU-355-10,
MMEPU-355-12, MMEPU-355-15, MMEPU-355-18,
MMEPU-355-20, MMEPU-355-25, MMEPU-355-30,
EN 60825-1:2014

The Issuance of Compliance is based on a voluntary basis for electrical equipment below the voltage limit of Low Voltage Directive 2014/35/EU. The mandatory requirement are fulfilled accordingly based on the technical specifications applicable at the time of issuance. See also notes contained in a copy held in connection with the test report number: ZKT-202016188C.

This Certificate of Compliance is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole production lot or model. Declaration by Model(s):
Maiman
EN 60825-1:2014
EN 60601-1:2007
EN 61010-1:2010
www.zkt.com.cn

Shenzhen ZKT Technology Co., Ltd.
10, No. 101, Building B, No. 6, Tiegang Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Certificate of Compliance

Certificate Number: ZKT-202019199C

Certificate's Holder: TIANJIN MAIMAN LASER TECHNOLOGY CO., LTD
201 D3-D, East Huigu Industrial Park, Xiqing District, Tianjin City

Manufacturer: TIANJIN MAIMAN LASER TECHNOLOGY CO., LTD
201 D3-D, East Huigu Industrial Park, Xiqing District, Tianjin City

Trade Mark: Maiman

Product: UV 355 nm Laser

Model(s): MMEPU-355-30
MMEPU-355-2, MMEPU-355-4, MMEPU-355-5, MMEPU-355-10,
MMEPU-355-12, MMEPU-355-15, MMEPU-355-18,
MMEPU-355-20, MMEPU-355-25, MMEPU-355-30,
EN 60825-1:2014
EN 61010-1:2010
EN 60601-1:2007
EN 61010-2:2010
EN 61010-2:2010-A1:2010
EN 61010-1:2010
EN 61010-1:2010-A1:2010
EN 61010-1:2010
EN 61010-1:2010-A1:2010

The Issuance of Compliance is based on a voluntary basis for electrical equipment below the voltage limit of LVD Directive 2006/95/EC. The mandatory requirement are fulfilled accordingly based on the technical specifications applicable at the time of issuance. See also notes contained in a copy held in connection with the test report number: ZKT-202019199C.

This Certificate of Compliance is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole production lot or model. Declaration by Model(s):
Maiman
EN 60825-1:2014
EN 60601-1:2007
EN 61010-1:2010
www.zkt.com.cn

Shenzhen ZKT Technology Co., Ltd.
10, No. 101, Building B, No. 6, Tiegang Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

SUPPLIER'S DECLARATION OF CONFORMITY

Certificate Number: ZKT-2020041570C

Certificate's Holder: TIANJIN MAIMAN LASER TECHNOLOGY CO., LTD
201 D3-D, East Huigu Industrial Park, Xiqing District, Tianjin City

Manufacturer: TIANJIN MAIMAN LASER TECHNOLOGY CO., LTD
201 D3-D, East Huigu Industrial Park, Xiqing District, Tianjin City

Trade Mark: Maiman

Product: UV 355nm Laser

Model(s): MMEPU-355-4
MMEPU-355-3, MMEPU-355-5, MMEPU-355-10,
MMEPU-355-12, MMEPU-355-15, MMEPU-355-18,
MMEPU-355-20, MMEPU-355-25, MMEPU-355-30,
MMEPU-355Plus-4, MMEPU-355Plus-6, MMEPU-355Plus-8,
MMEPU-355Plus-10, MMEPU-355Plus-12, MMEPU-355Plus-15,
MMEPU-355Plus-18, MMEPU-355Plus-20, MMEPU-355Plus-25,
MMEPU-355Plus-30, MMEPU-355-18, MMEPU-355-25,
MMEPU-355-30, MMEPU-355-2
FCC Part 15 B
ANSI C63.4-2014

The Certificate of Conformity is based on a voluntary basis for electrical equipment below the voltage limit of EMC Directive 2014/53/EU. The mandatory requirement are fulfilled accordingly based on the technical specifications applicable at the time of issuance. See also notes contained in a copy held in connection with the test report number: ZKT-2020041570C.

This Certificate of Conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole production lot or model. Declaration by Model(s):
Maiman
EN 60825-1:2014
EN 60601-1:2007
EN 61010-1:2010
www.zkt.com.cn

Shenzhen ZKT Technology Co., Ltd.
10, No. 101, Building B, No. 6, Tiegang Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Declaration of Conformity

Certificate Number: ZKT-202027141C

Certificate's Holder: TIANJIN MAIMAN LASER TECHNOLOGY CO., LTD
201 D3-D, East Huigu Industrial Park, Xiqing District, Tianjin City

Manufacturer: TIANJIN MAIMAN LASER TECHNOLOGY CO., LTD
201 D3-D, East Huigu Industrial Park, Xiqing District, Tianjin City

Trade Mark: Maiman

Product: UV 355nm Laser

Model(s): MMEPU-355-5
MMEPU-355-11, MMEPU-355-8, MMEPU-355-10,
MMEPU-355-12, MMEPU-355-15, MMEPU-355-18,
MMEPU-355-20, MMEPU-355-25, MMEPU-355-30,
MMEPU-355Plus-4, MMEPU-355Plus-6, MMEPU-355Plus-8,
MMEPU-355Plus-10, MMEPU-355Plus-12, MMEPU-355Plus-15,
MMEPU-355Plus-18, MMEPU-355Plus-20, MMEPU-355Plus-25,
MMEPU-355Plus-30, MMEPU-355-15, MMEPU-355-20,
MMEPU-355-25, MMEPU-355-30, MMEPU-355-2
EN 60825-1:2014
EN 60601-1:2007
EN 61010-1:2010

This CU/UK marked device has been tested by us with the listed standards and found to comply with the Council LVD directive 2006/95/EC. It is possible to use IP marking to demonstrate the conformity with the LVD Directive. It is possible to use CE Marking to demonstrate the conformity with the EU/UK/PT 2012. It is possible to use CE Marking to demonstrate the conformity with the LVD Directive in a copy held in connection with the test report number: ZKT-202027141C.

This Certificate of Conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole production lot or model. Declaration by Model(s):
Maiman
EN 60825-1:2014
EN 60601-1:2007
EN 61010-1:2010
www.zkt.com.cn

Shenzhen ZKT Technology Co., Ltd.
10, No. 101, Building B, No. 6, Tiegang Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Certificate of Compliance

Certificate Number: ZKT-2020221780C

Certificate's Holder: TIANJIN MAIMAN LASER TECHNOLOGY CO., LTD
201 D3-D, East Huigu Industrial Park, Xiqing District, Tianjin City

Manufacturer: TIANJIN MAIMAN LASER TECHNOLOGY CO., LTD
201 D3-D, East Huigu Industrial Park, Xiqing District, Tianjin City

Trade Mark: Maiman

Product: UV 355nm Laser

Model(s): MMEPU-355-5
MMEPU-355-3, MMEPU-355-8, MMEPU-355-10,
MMEPU-355-12, MMEPU-355-15, MMEPU-355-18,
MMEPU-355-20, MMEPU-355-25, MMEPU-355-30,
MMEPU-355Plus-4, MMEPU-355Plus-6, MMEPU-355Plus-8,
MMEPU-355Plus-10, MMEPU-355Plus-12, MMEPU-355Plus-15,
MMEPU-355Plus-18, MMEPU-355Plus-20, MMEPU-355Plus-25,
MMEPU-355Plus-30, MMEPU-355-15, MMEPU-355-20,
MMEPU-355-25, MMEPU-355-30, MMEPU-355-2
IEC 62321-1:2017
IEC 62321-2:2017
IEC 62321-3:2017
IEC 62321-4:2017
IEC 62321-5:2017
IEC 62321-7:2017

The following standards have been tested by us and found to be in conformity with the (EMC) Directive 2014/53/EU under a voluntary basis for EMC marking and conformity marking (EU/UK/PT 12): It is possible to use CE Marking to demonstrate the conformity with the EMC Directive in a copy held in connection with the test report number: ZKT-2020221780C.

This Certificate of Compliance is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole production lot or model. Declaration by Model(s):
Maiman
EN 60825-1:2014
EN 60601-1:2007
EN 61010-1:2010
www.zkt.com.cn

Core Competitiveness

Based on the global market, Tianjin Maiman Laser Technology Co., Ltd. takes the lead in introducing internationally advanced concepts of product design, manufacturing processes and quality control systems on the basis of independent R&D and technological innovation, so as to ensure the advancement and reliability of products. The sales and service network all over the country and around the world provides our customers with competitive laser products and professional and efficient overall services. In the fierce competition with international brands, Maiman has continuously innovated and made breakthroughs and enhanced its own R&D strength. In particular, the self-developed 355 nanosecond UV laser product series has gained the unanimous recognition from both domestic and international customers due to its unique patented technology and ultra-high cost performance, which has won Maiman a higher brand awareness and global influence. Thanks to the hard work of all employees and the support of all our customers, Maiman Laser is continuously creating more value for customers in more subdivided industries.

Multiple series of laser products independently developed and designed

Safe and reliable product quality

Overall laser solutions for various application fields

Perfect global service system

Original laser technology innovation and invention patent

Comprehensive development capability of optical, mechanical and electrical systems

High efficiency, environmental protection and batch laser production capacity

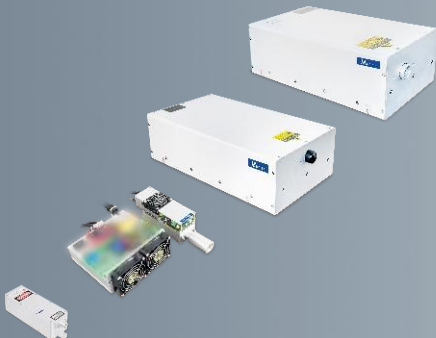
Products & Applications

Tianjin Maiman Laser Technology Co., Ltd. provides multiple series of laser source products for the fields of industrial, medical, scientific research, etc. and also provides customized services. The wavelength ranges from infrared to deep ultraviolet, the pulse width ranges from nanoseconds to ultrafast, and the power ranges from milliwatt to hundred watt. The rich categories maximize to meet the needs of different customers.



Elite Series Lasers

- High energy UV laser (15W)
- High power UV laser (18-30W)
- High power Green laser (30W)



Diamond Series Lasers

- 30ns high energy UV/green/IR lasers (10-25W)
- 70ns high energy green/IR lasers (16-25W)
- Mini UV laser (1W)
- Gem planning IR laser (1W)



Stone Series Lasers

- Mini UV lasers (3-8W)
- Air-cooled UV lasers (3-8W)
- Water-cooled UV lasers (3-15W)
- Glass marking UV laser (10W)
- Active Q-switched IR lasers (12-30W)
- High power Green lasers (10-20W)
- Fiber green lasers (4-5W)
- Cold light IR lasers (5-10W)



Customized Products

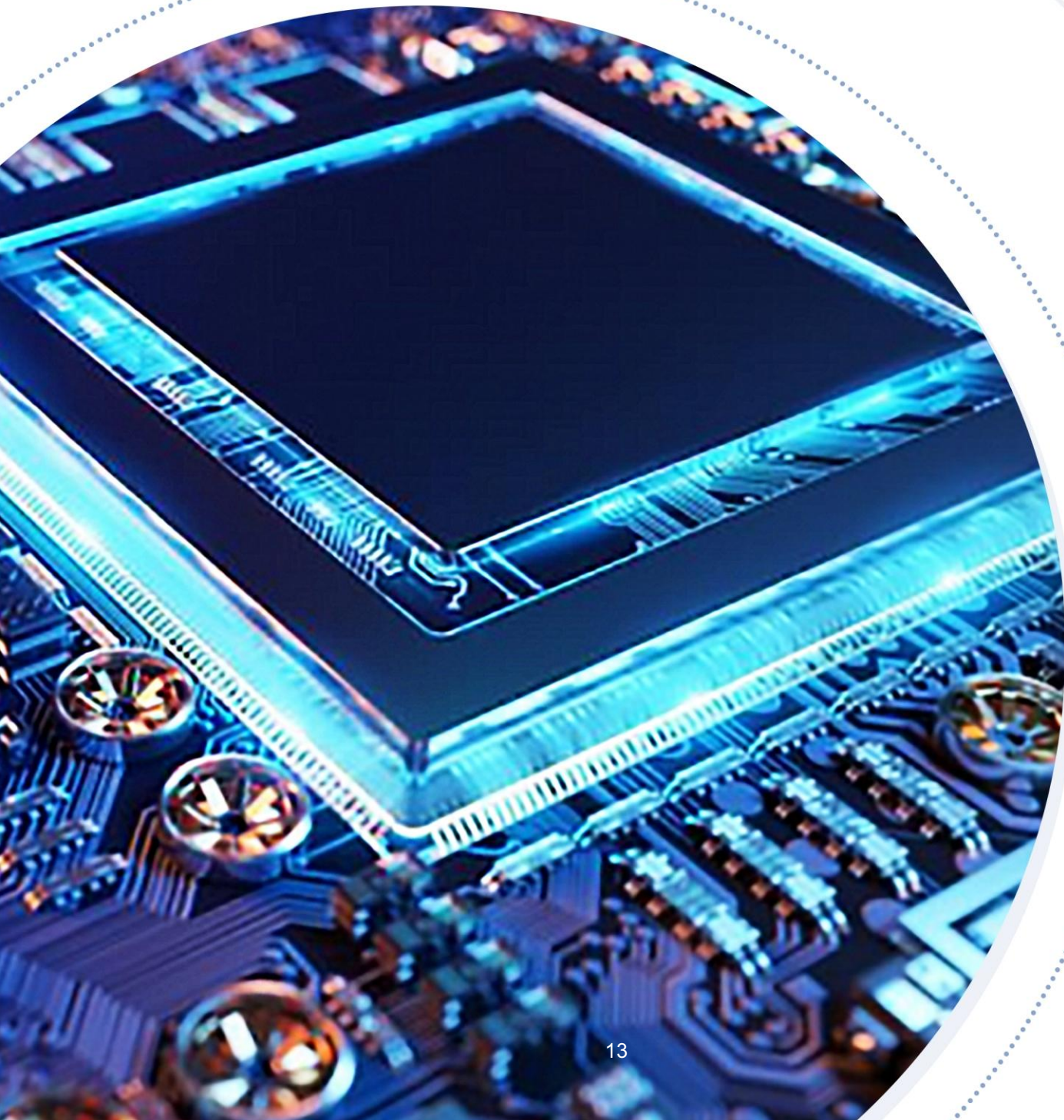
- 266nm Deep UV lasers (0.2-15W)
- PS ultrafast lasers (1064/532/355,10-70W)
- Hundred picosecond high power lasers (1064/532/355,10-40W)
- Mini high energy lasers (1064/532/355,0.5-5J)

Maiman Laser has rich industry solutions to help enterprises worry-free production!

Application field	Elite series lasers	Diamond series lasers	Stone series lasers
FPC and PCB cutting	MMEPU-355-18/20/25/30		MMEPG-532-15/20
Solar cell scribing	MMEPU-355-20/25		MMEPG-532-10/15/20
Wafer annealing	MMEPG-532-30		
Wafer scribing	MMEPU-355-15-HE MMEPU-355-18/20	MMEPG-532-15/20	
High reflective metal marking			MMEPF-1064-8L
Ultrahard material processing		MMEPU-355-10/16/20-HE-D30 MMEPG-532-16/20-HE-D70	
Diamond processing		MMEPU-D-355-1 MMD-YAG-1064-1 MMEPU-355-10-HE-D30 MMEPG-532-16/20-HE-D30 MMEPG-1064-18/25-HE-D30 MMEPG-1064-18/25-HE-D70	
Translucent product markings		MMEPU-D-355-1	MMEPU-355(Plus)-5/8/10 MMEPU-AC-355(Plus)-5/8 MMEPU-355-3/5/8-M
Marking on transparent materials			MMEPA-1064-12/15/20/25/30
Packaging material marking			MMEPU-355(Plus)-3/5 MMEPU-AC-355(Plus)-3/5 MMEPU-355-3/5/8-M MMEPGF-532-5L
Glass interior engraving			MMEPU-355(Plus)-5 MMEPU-AC-355(Plus)-5 MMEPU-355-3/5/8-M
Glass marking			MMEPU-355-10-ZRS2
Jade processing			MMEPU-355(Plus)-12/15

Elite series

Semiconductor processing





UV-clean patented technology



Protection grade IP65



Service life 20,000⁺h



Excellent beam quality



**All-in-one structure,
highly integrated**



**Reliable performance
and repair <3%**

Elite series high energy UV laser



15W

The laser power

UV-clean

Patented technology

20000⁺h

The service life

Introduction

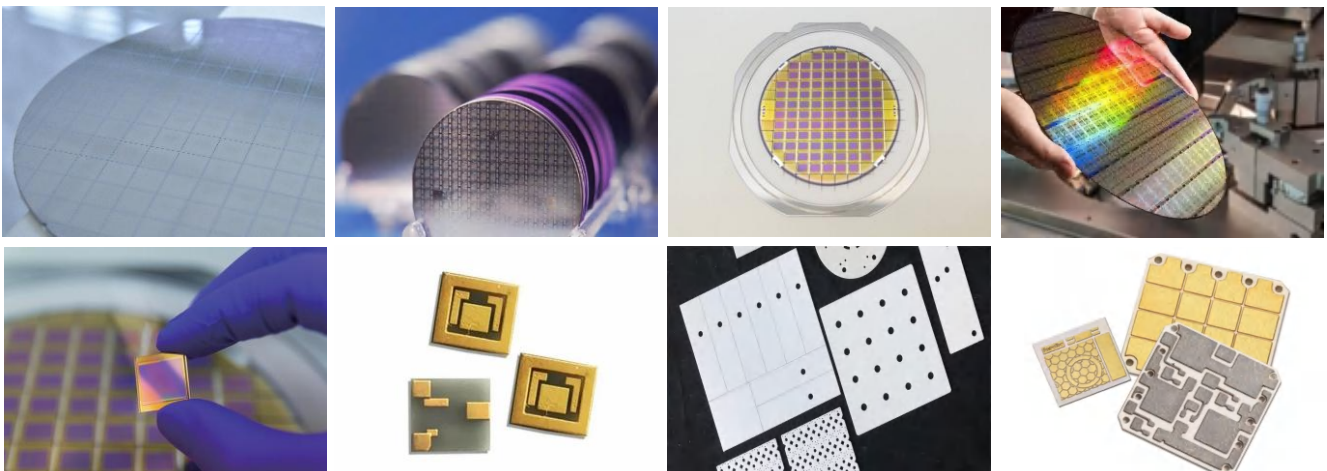
The high-energy ultraviolet laser, characterized by a wavelength of 355nm, features a single-pulse energy of 1.5mJ and a high peak power. It efficiently cuts SiC and diamond wafers, directly severing the wafers and metal layers with high efficiency and a minimal edge breakage (<2um).

Features

- The laser power is 15W;
- Adopt UV-clean patented technology to solve power attenuation worry free used;
- The service life exceeds 20000 hours, maintenance is free, and no need for regular commissioning or calibration;
- Excellent beam quality $M^2 < 1.3$, simple process, and higher efficiency;
- 3-layer protection, protection grade IP65, more suitable for harsh working environment;
- Rugged, easy to install, and easy to integrate.

Application

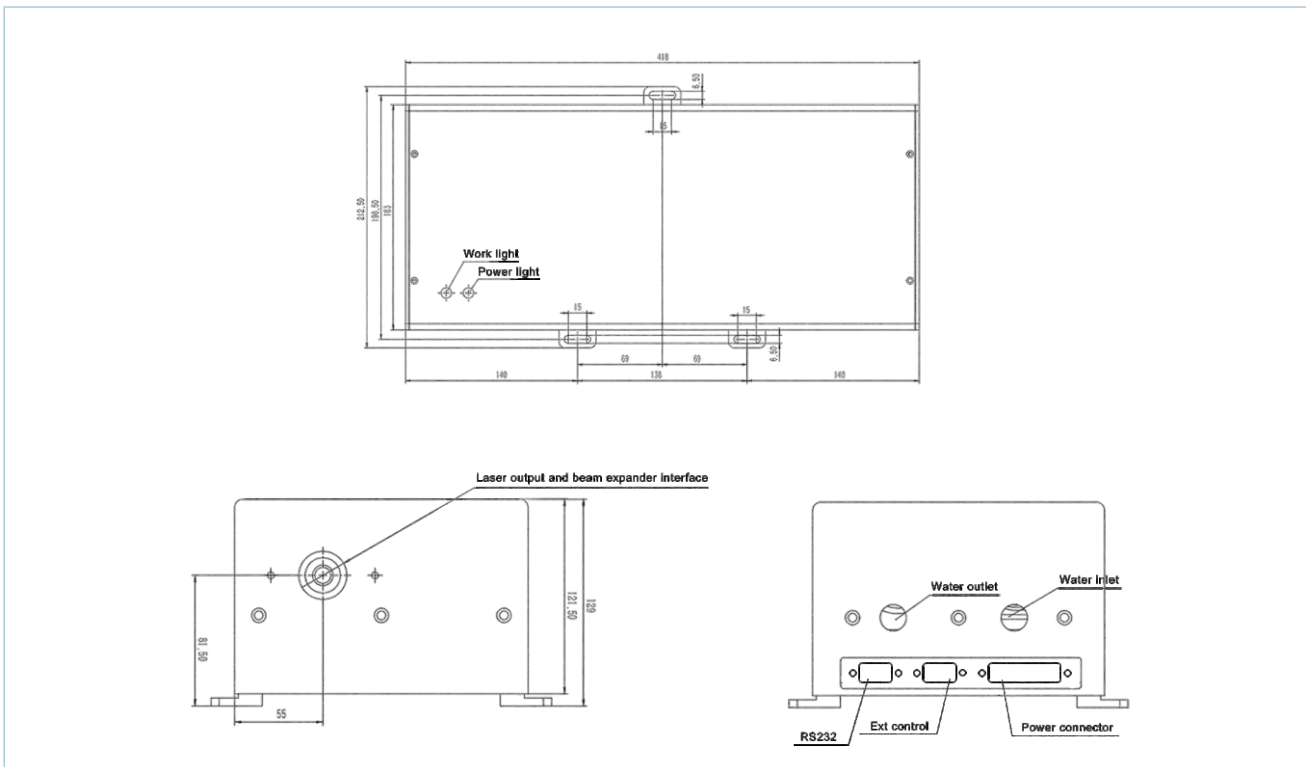
- Sic, diamond wafer scribing and drilling
- Ceramic scribing and drilling



Specifications

Model No.	MMEPU-355-15-HE
Optical Characteristics	
Wavelength (nm)	355nm
Average Power (W)	>15W@10kHz
Single Pulse Energy (uJ)	~1500uJ@10kHz
Pulse Width (ns)	30ns@10kHz
Repetition Rate	10-20kHz
Pulse Stability	<3% rms
Long Term Stability	<±3%
Beam Characteristics	
Polarization Ratio	Horizontal; >100:1
Beam Diameter	~1mm(at exit)
Beam Circularity	>90%
Spatial Mode	TEM ₀₀ , M ² <1.3
Operating Specifications	
Warm-up Time	<15minutes from cold start
Electrical Requirement	DC17.5V, 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



Elite series high power UV lasers



18-30W

The laser power

UV-clean

Patented technology

20000⁺h

The service life

Introduction

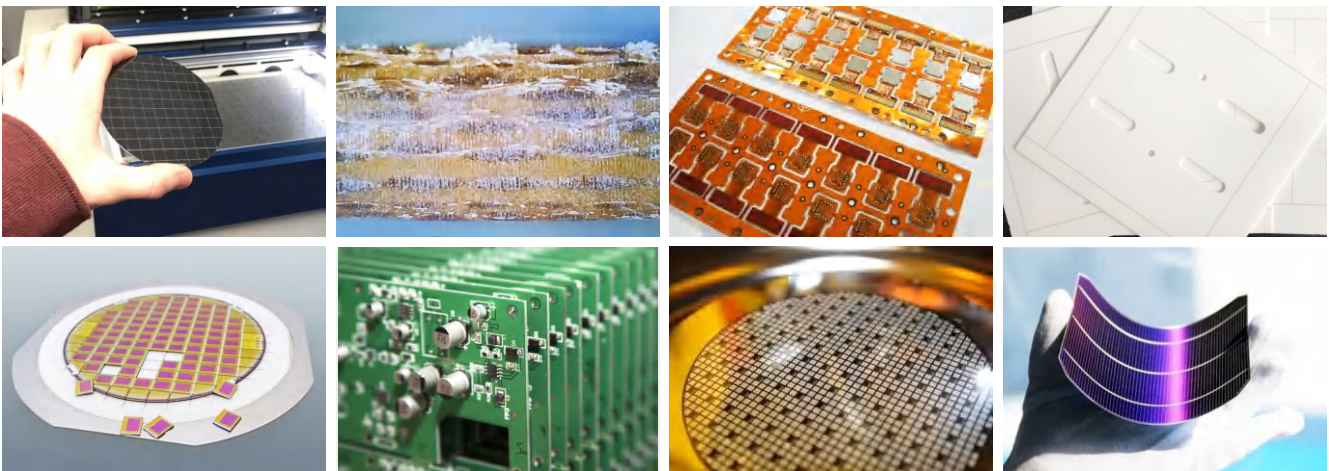
It has excellent power stability, ensuring long-term operation, and at the same time, has high single pulse energy, which can produce higher energy density quickly, thereby better handling materials with higher hardness, such as silicon carbide.

Features

- The laser power is 18-30W;
- Adopt UV-clean patented technology to solve power attenuation worry free used;
- The service life exceeds 20000 hours, maintenance is free, and no need for regular commissioning or calibration;
- Excellent beam quality $M^2 < 1.3$, simple process, and higher efficiency;
- 3-layer protection, protection grade IP65, more suitable for harsh working environment;
- Rugged, easy to install, and easy to integrate.

Application

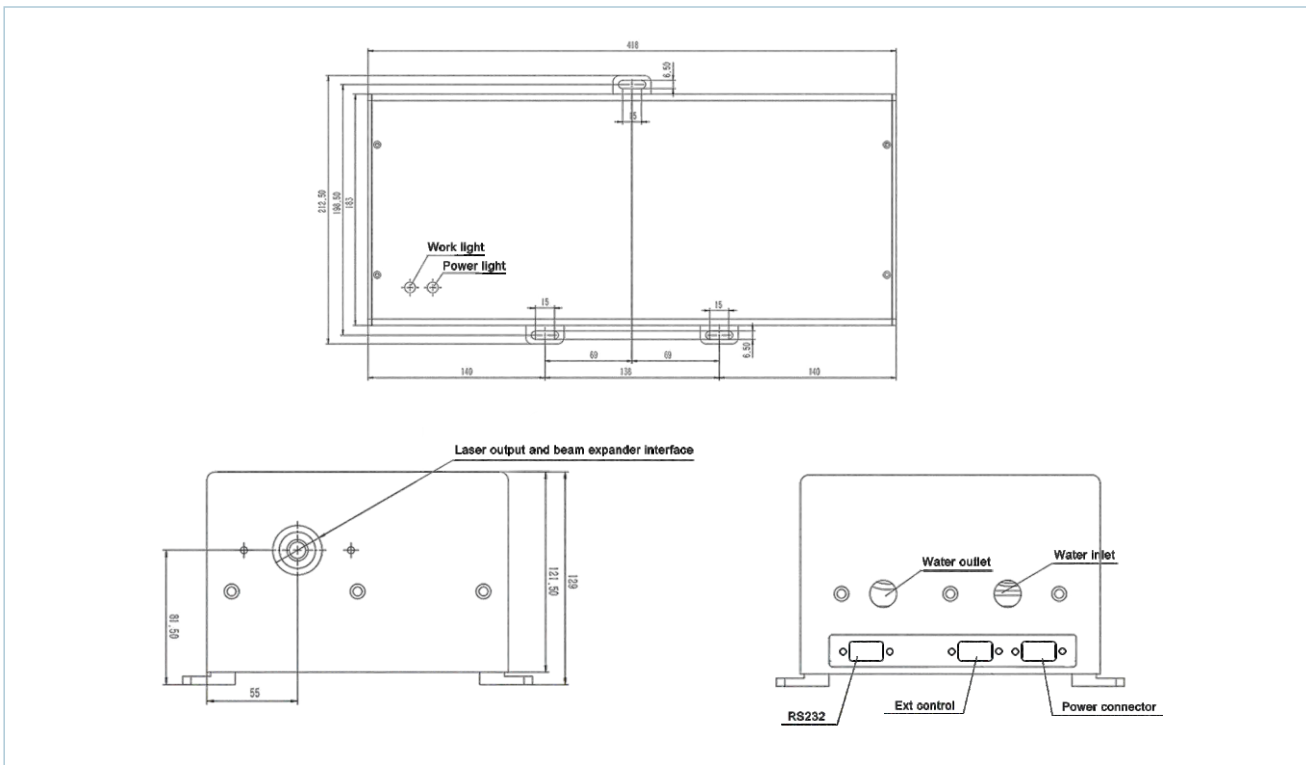
- Solar cell scribing
- PCB & FPC splitting and cutting
- Sic wafer scribing
- Film cutting



Specifications

Model No.	MMEPU-355-18	MMEPU-355-20	MMEPU-355-25	MMEPU-355-30
Optical Characteristics				
Wavelength (nm)	355nm ± 1nm			
Average Power (W)	>18W@50kHz	>20W@50kHz	>25W@50kHz	>30W@50kHz
Single Pulse Energy (uJ)	~350uJ@50kHz	~400uJ@50kHz	~500uJ@50kHz	~600uJ@50kHz
Pulse Width (ns)	12ns@50kHz			
Repetition Rate	50-500kHz			
Pulse Stability	<3% rms			
Long Term Stability	<±3%			
Beam Characteristics				
Polarization Ratio	Horizontal;>100:1			
Beam Diameter	~1mm(at exit)/~6mm(6X beam expander)			
Beam Circularity	>90%			
Spatial Mode	TEM ₀₀ , M ² <1.3			
Operating Specifications				
Warm-up Time	<15 minutes from cold start			
Electrical Requirement	DC24V, 600W			
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



Elite series high power green laser



30W

The laser power

UV-clean

Patented technology

20000⁺h

The service life

Introduction

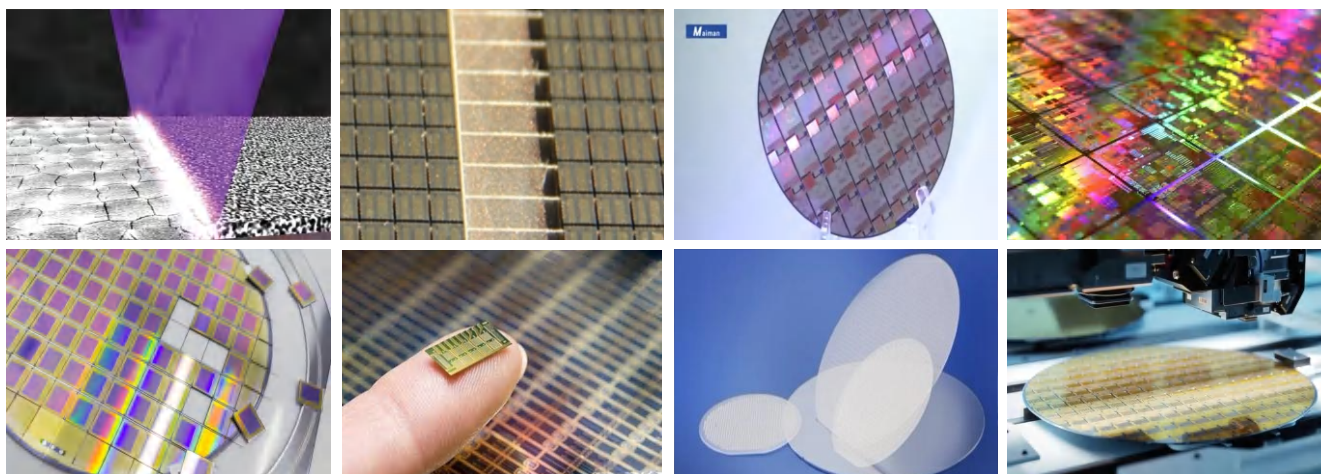
Its extremely high power stability guarantees long-term operation. At the same time, it has high single pulse energy, which can produce higher energy density in a short time, thus better dealing with materials with higher hardness such as SiC.

Features

- Adopt UV-clean patented technology to solve power attenuation worry free used;
- The service life exceeds 20000 hours, maintenance is free, and no need for regular commissioning or calibration;
- Excellent beam quality $M^2 < 1.3$, simple process, and higher efficiency;
- 3-layer protection, protection grade IP65, more suitable for harsh working environment;
- Rugged, easy to install, and easy to integrate.

Application

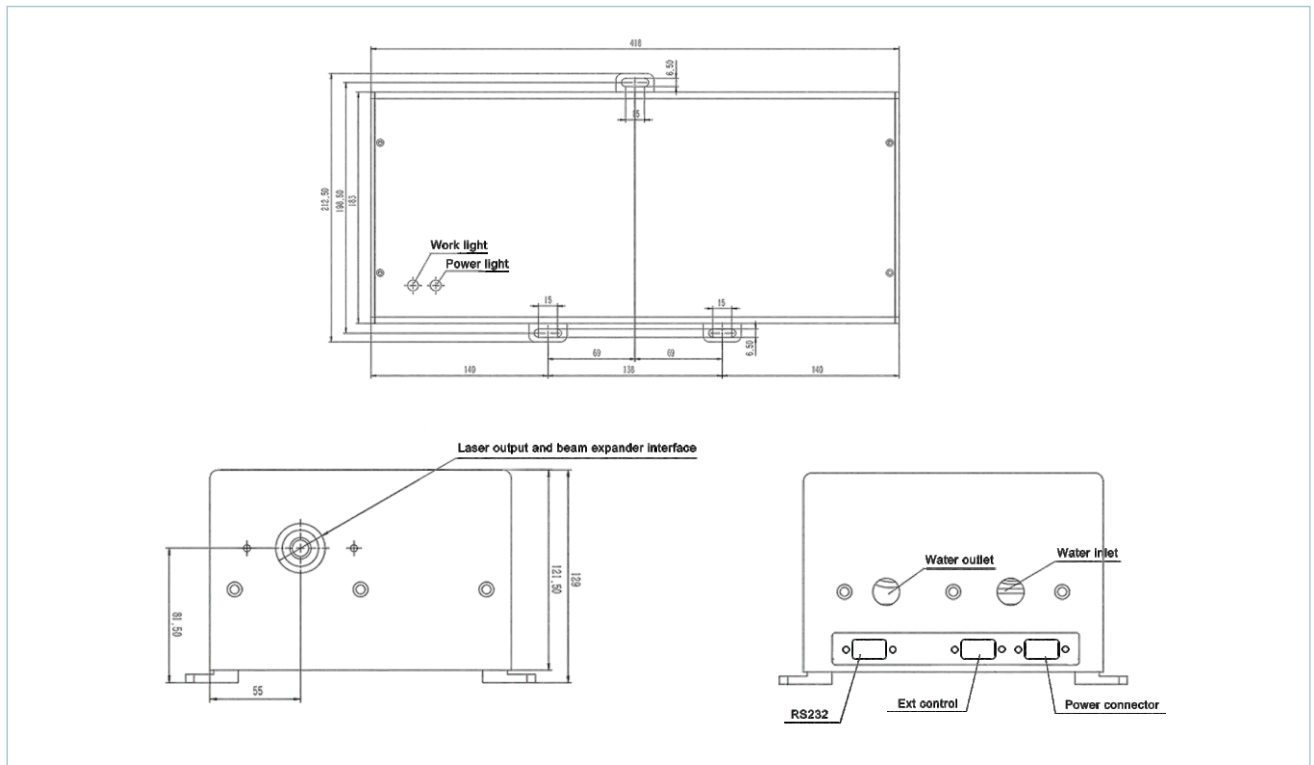
- Wafer annealing
- Wafer drilling and scribing



Specifications

Model No.	MMEPG-532-30
Optical Characteristics	
Wavelength (nm)	532nm
Average Power (W)	>30W@60kHz
Single Pulse Energy (uJ)	~500uJ@60kHz
Pulse Width (ns)	20ns@60kHz
Repetition Rate	50-500kHz
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 <1.3
Operating Specifications	
Warm-up Time	<15minutes from cold start
Electrical Requirement	DC24V, 600W
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



Diamond series

Carbon material processing





UV-clean patented technology



Protection grade IP65



Service life 20,000+h



Specialized in the processing of carbon materials



High processing capacity and efficiency



Reliable performance and repair <3%

Diamond series high energy 30ns lasers



10-25W

The laser power

IP65

Protection grade

20000⁺h

The service life

Introduction

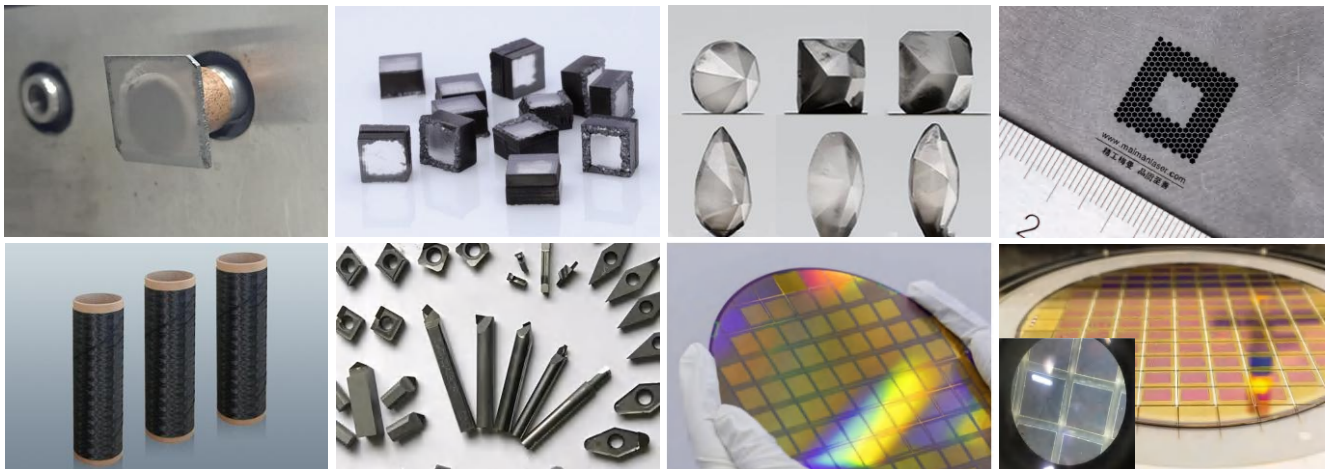
Low processing heat resulting in less damage to the cut surface so reaches a smoother surface; all-in-one laser design, easy to install and maintain; superior beam quality can achieve deeper and faster processing, more advantageous in cutting SiC, diamond and other super-hard materials; self-cleaning system of resonant cavity solves the problem of power attenuation to maintain a long service life.

Features

- Single pulse energy >2mJ
- Superior beam quality $M^2 < 1.3$
- Long life and maintenance free
- All-in-one laser, highly integrated

Application

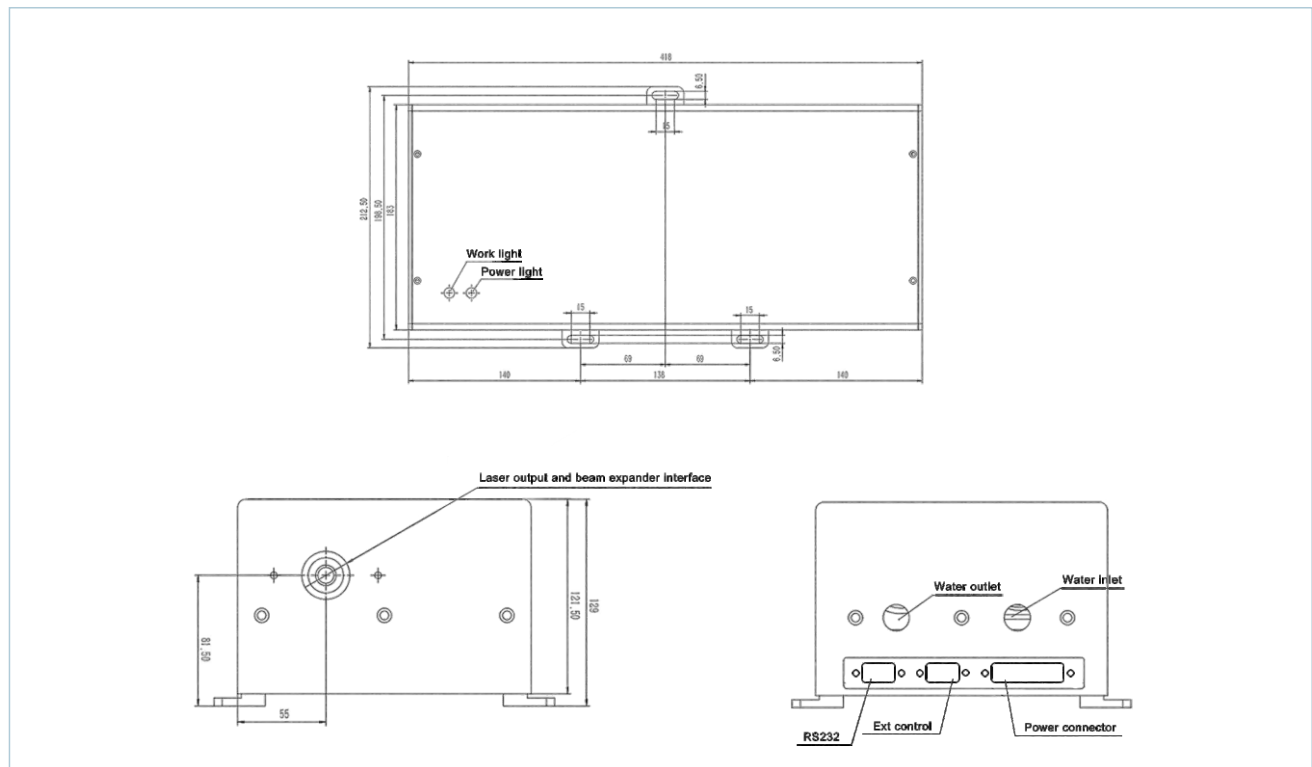
- SiC wafer scribing
- Diamond cutting - Slicing, coring, sawing, faceting, 4 processing
- Cutting of super hard materials - Pcbn, PCD, SCD, CVD, SiC, etc.



Specifications

Model No.	MMEPU-355-10-HE-D30	MMEPG-532-16-HE-D30	MMEPG-532-20-HE-D30	MMEPA-1064-18-HE-D30	MMEPA-1064-25-HE-D30
Optical Characteristics					
Wavelength (nm)	355nm	532nm		1064nm	
Average Power (W)	>10W@10kHz	>16W@10kHz	>20W@10kHz	>18W@10kHz	>25W@10kHz
Single Pulse Energy (uJ)	~1000uJ@10kHz	~1600uJ@10kHz	~2000uJ@10kHz	~1800uJ@10kHz	~2500uJ@10kHz
Pulse Width (ns)	<30ns@10kHz				
Repetition Rate	10-100kHz	7-100kHz			
Pulse Stability	<3% rms				
Long Term Stability	<±3%				
Beam Characteristics					
Polarization Ratio	Horizontal;>100:1	Vertical;>100:1			
Beam Diameter	~0.9mm(at exit)				
Beam Circularity	>90%				
Spatial Mode	TEM ₀₀ ,M ² <1.3				
Operating Specifications					
Warm-up Time	<15minutes from cold start				
Electrical Requirement	DC17.5V, 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



Diamond series high energy 70ns lasers



16-25W
The laser power

IP65
Protection grade

20000⁺h
The service life

Introduction

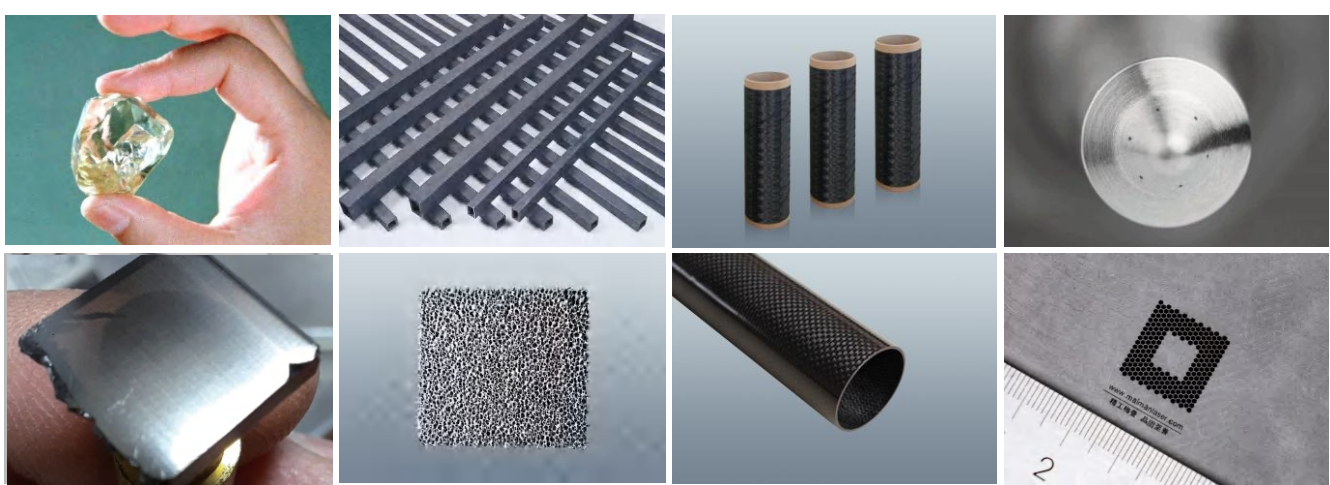
The high peak power lasers excel during processing, particularly for cutting ultra-hard materials. The integrated system ensures ease of installation and maintenance, and solves the problem of power degradation over long periods of use. The controller and protection circuit are integrated, compact and easy to install and maintain. The internal resonant cavity is equipped with a self-cleaning system and a stable design to solve the problem of power attenuation and ensure long-term use of the laser.

Features

- Single pulse energy >2mJ
- Superior beam quality $M^2 < 1.5$
- Long life and maintenance free
- All-in-one, highly integrated

Application

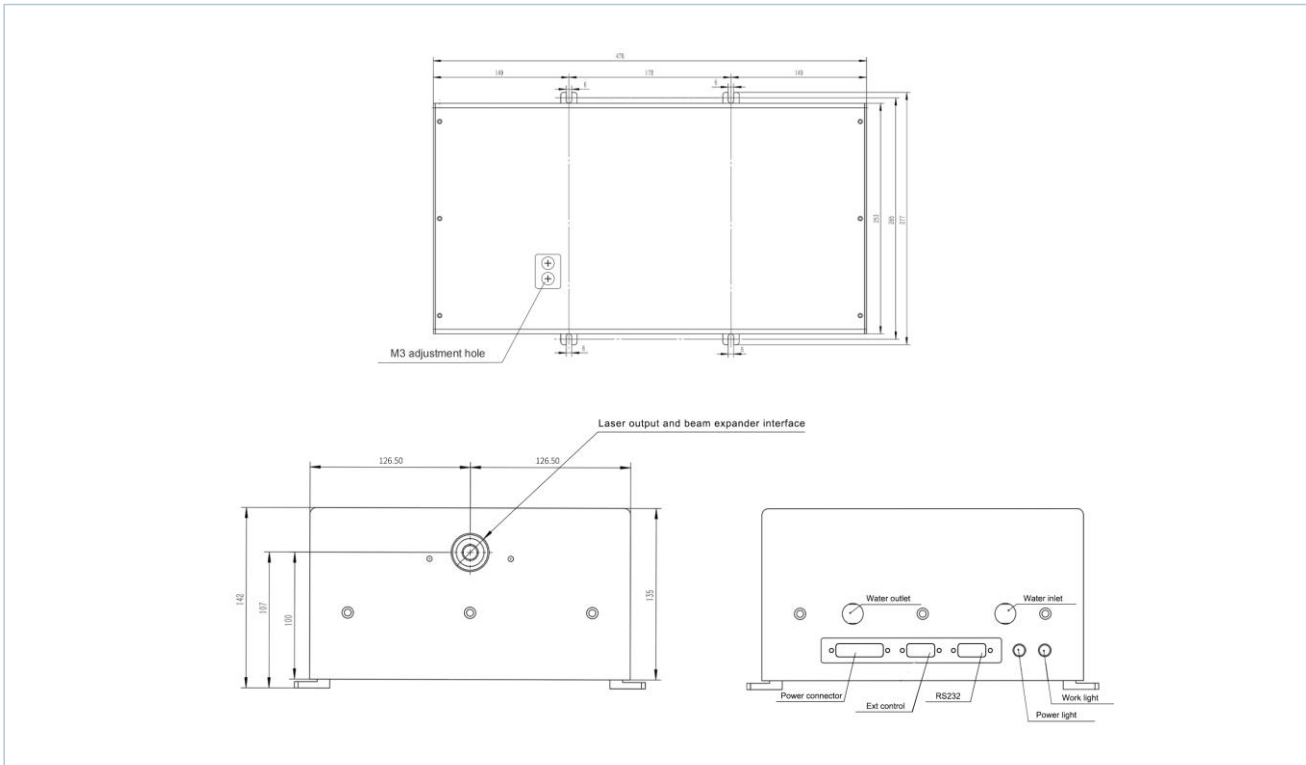
- SiC wafer scribing
- Diamond cutting - Slicing, coring, sawing, faceting, 4 processing
- Cutting of super hard materials - PcBN, PCD, SCD, CVD, SiC, etc.



Specifications

Model No.	MMEPG-532-16-HE-D70	MMEPG-532-20-HE-D70	MMEPA-1064-18-HE-D70	MMEPA-1064-25-HE-D70
Optical Characteristics				
Wavelength (nm)	532nm		1064nm	
Average Power (W)	>16W@10kHz	>20W@10kHz	>18W@10kHz	>25W@10kHz
Single Pulse Energy (uJ)	~1600uJ@10kHz	~2000uJ@10kHz	~1800uJ@10kHz	~2500uJ@10kHz
Pulse Width (ns)	<70ns@10kHz			
Repetition Rate	7-100kHz			
Pulse Stability	<3% rms			
Long Term Stability	<±3%			
Beam Characteristics				
Polarization Ratio	Vertical;>100:1		Random	
Beam Diameter	~0.9mm(at exit)			
Beam Circularity	>90%			
Spatial Mode	TEM ₀₀ , M ² <1.5			
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



Diamond series mini UV laser



1W

The laser power

7x24h

Meet 7*24 hours of work

20000⁺h

The service life

Introduction

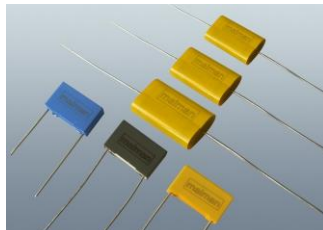
Small size, can be held up with one hand; the pulse width 6-8ns, ultra-high peak power perfectly to realize the appearance marking of electronic products.

Features

- The laser power 1W;
- Solve power attenuation and meet 7*24 hours of work;
- The service life exceeds 20,000 hours, maintenance-free, no need for regular commissioning;
- Split machine, laser head compatible with optical path of fiber laser;
- Air-cooled and easy to integrate.

Application

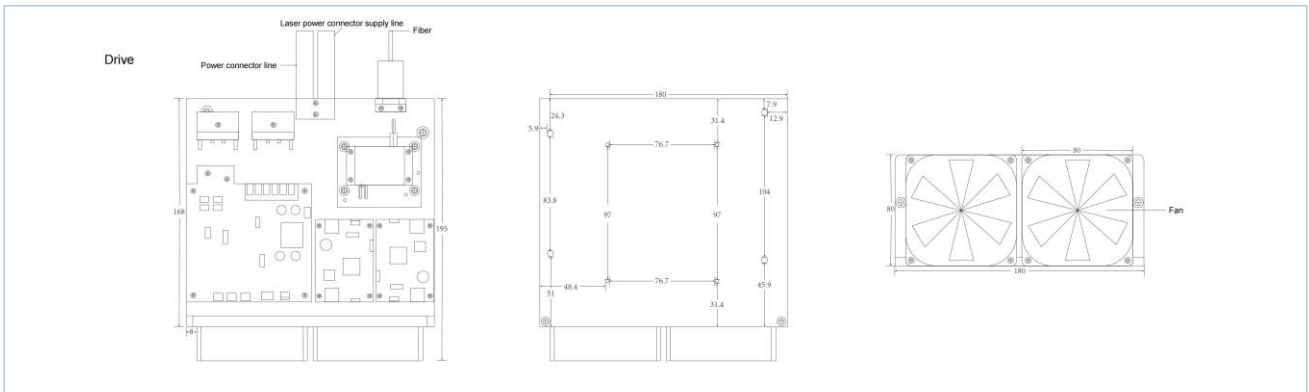
- Material marking - Packaging film, electronic devices, 3C products, medical supplies, etc.
- Diamond waistline marking



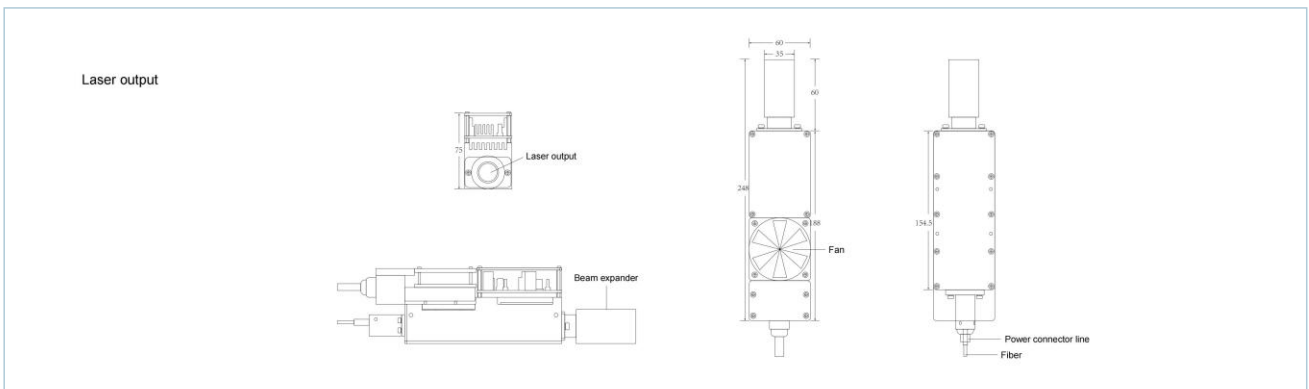
Specifications

Model No.	MMEPU-D-355-1
Optical Characteristics	
Wavelength (nm)	355nm±1nm
Average Power (W)	>1W@20kHz
Single Pulse Energy (uJ)	~50uJ@20kHz
Pulse Width (ns)	~7ns@20kHz
Repetition Rate	Uncontrollable, range15-20kHz
Pulse Stability	<3% rms
Long Term Stability	<±3%
Beam Characteristics	
Polarization Ratio	Vertical;>100:1
Beam Diameter	7mm
Beam Circularity	>90%
Spatial Mode	TEM ₀₀ , M ² <1.3
Operating Specifications	
Warm-up Time	<15 minutes from cold start
Electrical Requirement	DC12V, >200W
Ambient Temperature	10-35°C, RH<80%
Storage Conditions	-10-40°C, RH<90%
Physical Characteristics	
Cooling System	Air-Cooled

Dimensional Drawings



Driver



Diamond series gem planning IR laser



1W

The laser power

<20um

Minimum laser spot

20000⁺h

The service life

Introduction

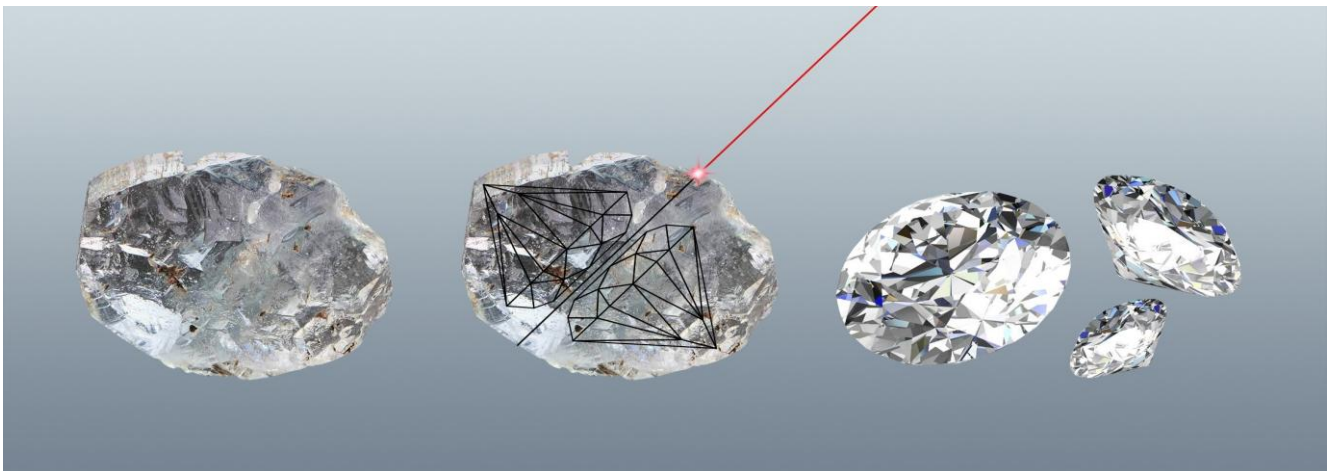
Superior beam quality and peak power ensure to achieve clear and shallow marks on the diamond and minimize the damage to the diamond.

Features

- The laser power 1W;
- Dual mode laser emission-parallel laser mode and focusing laser mode, to meet the needs of different planning machines;
- Superior beam quality, minimum laser spot <20um;
- High-precision temperature control to ensure long-term stable operation of the laser;
- Service life exceeds 20000 hours.

Application

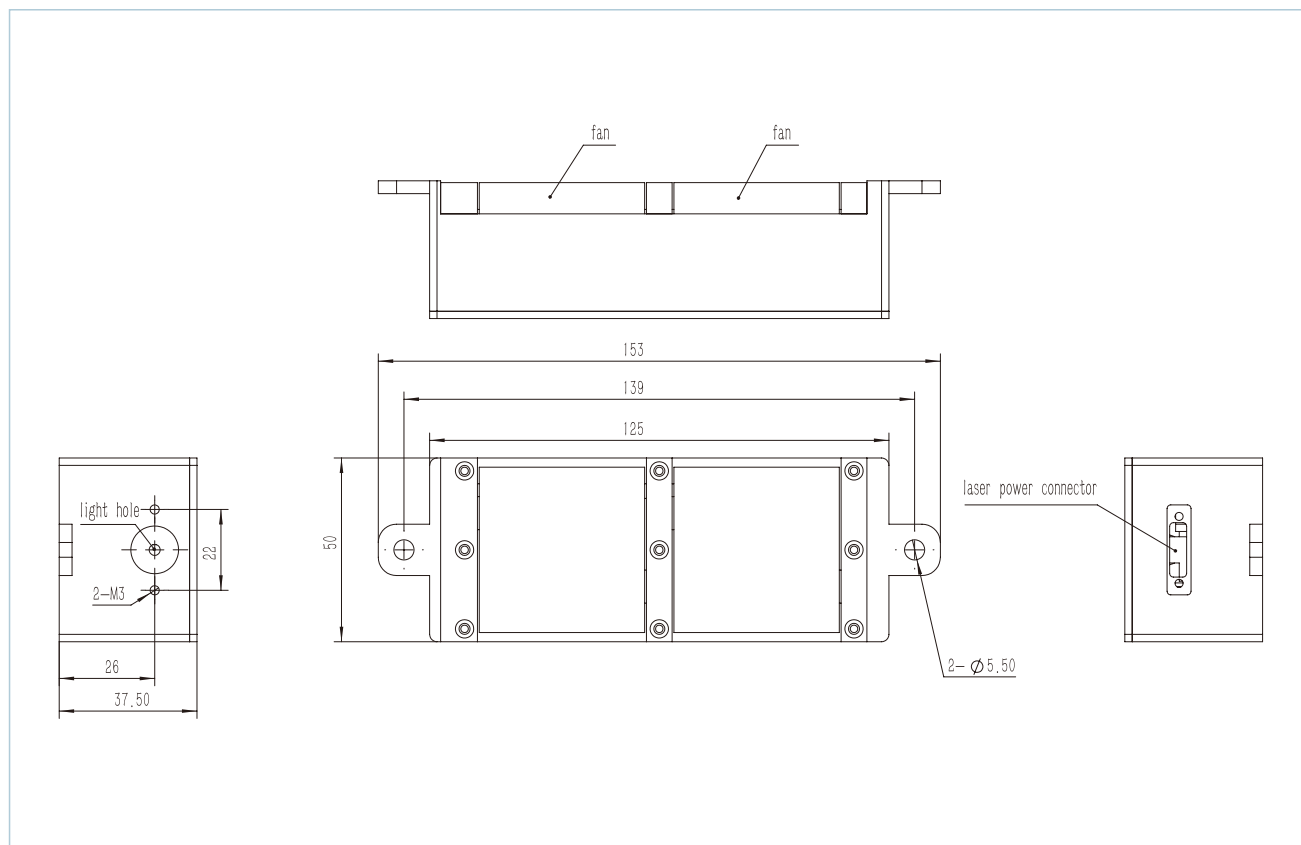
- Gem planning



Specifications

Model No.	MMD-YAG-1064-1
Optical Characteristics	
Wavelength (nm)	1064nm±1nm
Average Power (W)	>1W@12kHz
Single Pulse Energy (uJ)	~30uJ@12kHz
Pulse Width (ns)	~12ns@12kHz
Repetition Rate	~12kHz
Pulse Stability	<3% rms
Long Term Stability	<±3%
Beam Characteristics	
Polarization Ratio	Random polarization
Beam Diameter	~0.8mm
Beam Circularity	>90%
Spatial Mode	TEM ₀₀ , M ² <1.2
Operating Specifications	
Warm-up Time	<15 minutes from cold start
Electrical Requirement	AC220V/50Hz
Ambient Temperature	10-35°C, RH<80%
Storage Conditions	-10-40°C, RH<90%
Physical Characteristics	
Cooling System	Air-Cooled

Dimensional Drawings



Stone series

*Automotive, consumer electronics,
and more*





UV-clean patented technology



Protection grade IP65



Service life 20,000⁺h



Adaptable



Power stability



**Reliable performance
and repair <3%**

Stone series mini UV lasers



3-8W

The laser power

7x24h

Meet 7*24 hours of work

20000⁺h

The service life

Introduction

All-in-one compact laser source with superior beam quality $M^2 < 1.3$, capable of processing more than 90% of industrial materials with excellent accuracy. The pulse width is narrower, only $\sim 13\text{ns}@30\text{kHz}$. Smaller size and easier to integrate. Its high stability can meet 7*24 hrs continuous working, with no worry of power attenuation.

Features

- The laser power 3-8W;
- Narrower pulse width of only $\sim 13\text{ns}@30\text{kHz}$;
- Solve power attenuation and meet 7*24 hours of work;
- The service life exceeds 20,000 hours, maintenance-free, no need for regular commissioning;
- 3 layers of protection, protection grade IP65, more suitable for harsh working environment.

Application

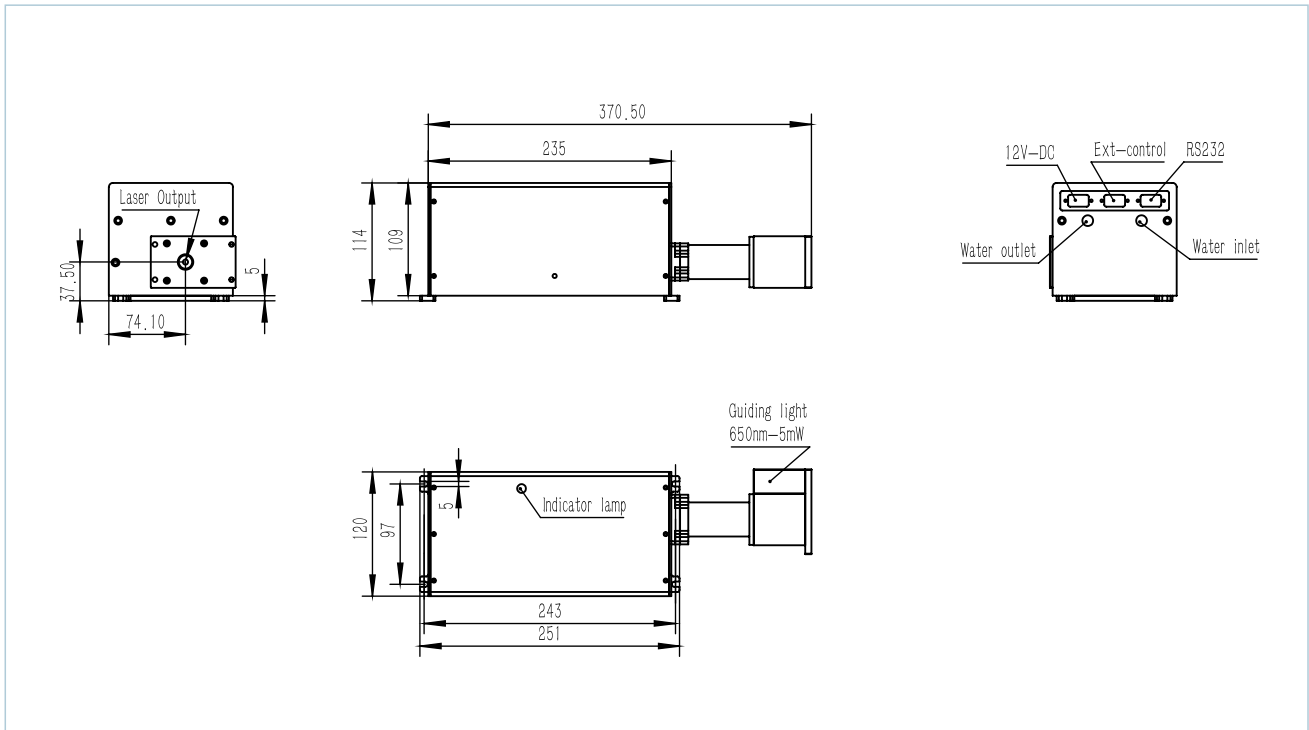
- Material marking - Plastic, glass, metal molds, wood, packaging bags, jade, etc.
- Crystal internal engraving
- 3D printing
- Film cutting



Specifications

Model No.	MMEPU-355-3-M	MMEPU-355-5-M	MMEPU-355-8-M
Optical Characteristics			
Wavelength (nm)	355nm±1nm		
Average Power (W)	>3W@30kHz	>5W@30kHz	>8W@40kHz
Single Pulse Energy (uJ)	~100uJ@30kHz	~160uJ@30kHz	~200uJ@40kHz
Pulse Width (ns)	~13ns@30kHz		
Repetition Rate	20-500kHz		
Pulse Stability	<3% rms		
Long Term Stability	<±3%		
Beam Characteristics			
Polarization Ratio	Horizontal;>100:1		
Beam Diameter	~0.8mm(at exit)/~5mm(6X beam expander)		
Beam Circularity	>90%		
Spatial Mode	TEM ₀₀ ,M ² <1.3		
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



Stone series air-cooled UV lasers



3-8W

The laser power

7x24h

Meet 7*24 hours of work

20000⁺h

The service life

Introduction

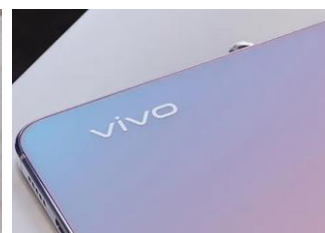
It perfectly inherits the excellent performance of Maiman's water-cooled UV lasers. The cooling method air-cooled does not require any chiller. Meantime it's more suitable for complex and harsh working condition.

Features

- The laser power 3-8W;
- 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

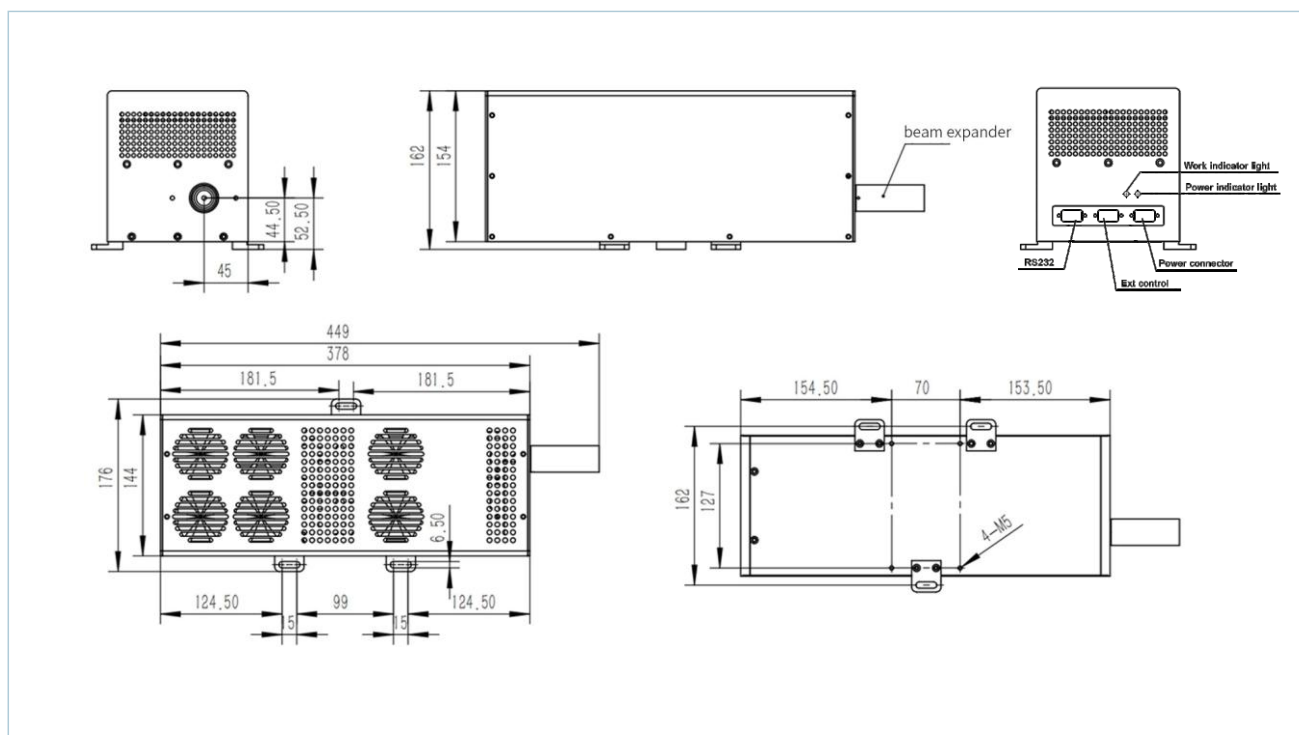
- Material marking - Plastic, glass, metal molds, wood, packaging bags, jade, etc.
- Crystal internal engraving
- 3D printing
- Film cutting



Specifications

Model No. -Stone Series	MMEPU-AC-355-3	MMEPU-AC-355-5	MMEPU-AC-355-8
Model No.-Stone Plus Series	MMEPU-AC-355Plus-3	MMEPU-AC-355Plus-5	MMEPU-AC-355Plus-8
Optical Characteristics			
Wavelength (nm)	355nm±1nm		
Average Power (W)	>3W@30kHz	>5W@30kHz	>8W@40kHz
Single Pulse Energy (uJ)	~100uJ@30kHz	~160uJ@30kHz	~200uJ@40kHz
Pulse Width (ns)	~15ns@30kHz		~15ns@40kHz
Repetition 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 expander)		
Beam Circularity	>90%		
Spatial Mode	TEM ₀₀ , M ² <1.3		
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	Air-cooled		

Dimensional Drawings



Stone series water-cooled UV lasers



3-15W

The laser power

7x24h

Meet 7*24 hours of work

20000⁺h

The service life

Introduction

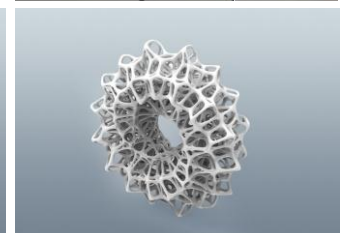
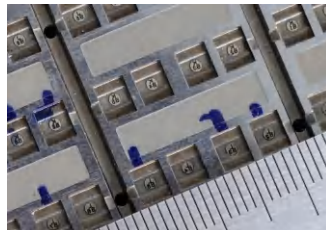
All-in-one compact laser source with superior beam quality $M^2 < 1.3$, it's capable to process more than 90% of industrial materials with excellent accuracy. Its high stability can meet 7*24 hrs continuous working, no worry of power attenuation.

Features

- The laser power 3-15W;
- 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

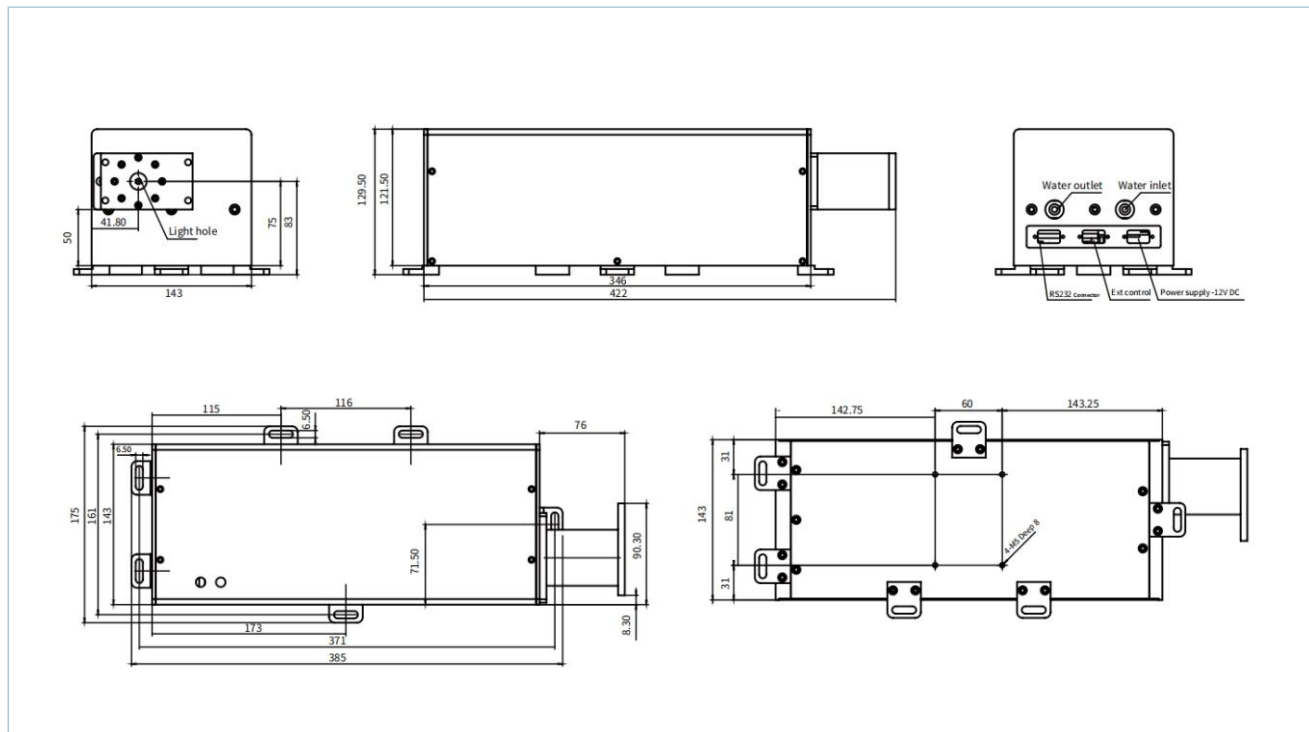
- Material marking - Plastic, glass, metal molds, wood, packaging bags, jade, etc.
- Crystal internal engraving
- 3D printing
- Film cutting



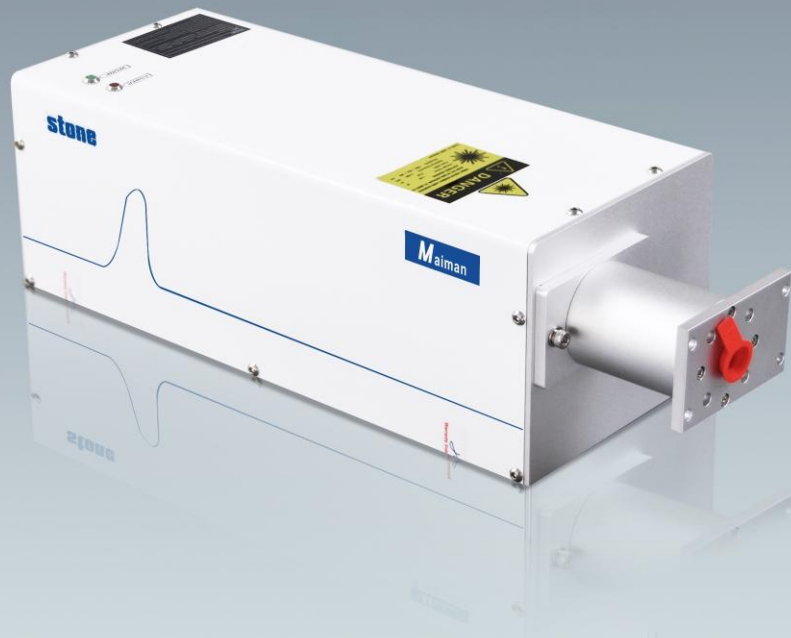
Specifications

Model No. -Stone Series	MMEPU-355-3	MMEPU-355-5	MMEPU-355-8	MMEPU-355-10	MMEPU-355-12	MMEPU-355-15
Model No.-Stone Plus Series	MMEPU-355Plus-3	MMEPU-355Plus-5	MMEPU-355Plus-8	MMEPU-355Plus-10	MMEPU-355Plus-12	MMEPU-355Plus-15
Optical Characteristics						
Wavelength (nm)	355nm±1nm					
Average Power (W)	>3W@30kHz	>5W@30kHz	>8W@40kHz	>10W@40kHz	>12W@40kHz	>15W@40kHz
Single Pulse Energy (uJ)	~100uJ@30kHz	~160uJ@30kHz	~200uJ@40kHz	~250uJ@40kHz	~300uJ@40kHz	~375uJ@40kHz
Pulse Width (ns)	~15ns@30kHz		~15ns@40kHz			
Repetition 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 expander)					
Beam Circularity	>90%					
Spatial Mode	TEM ₀₀ , M ² <1.3					
Operating Specifications						
Warm-up Time	<15 minutes from cold start					
Electrical Requirement	DC12V,350W			DC15V,350W		DC18V,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



Stone series glass marking UV laser



10W

The laser power

7x24h

Meet 7*24 hours of work

20000⁺h

The service life

Introduction

Specially designed for glass marking, it can meet the processing requirements of various glass materials. It has excellent beam quality $M^2 < 1.3$, 30% higher peak power, 30% higher processing time, and a more delicate processing effect than ordinary 10W.

Features

- The laser power 10W;
- 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

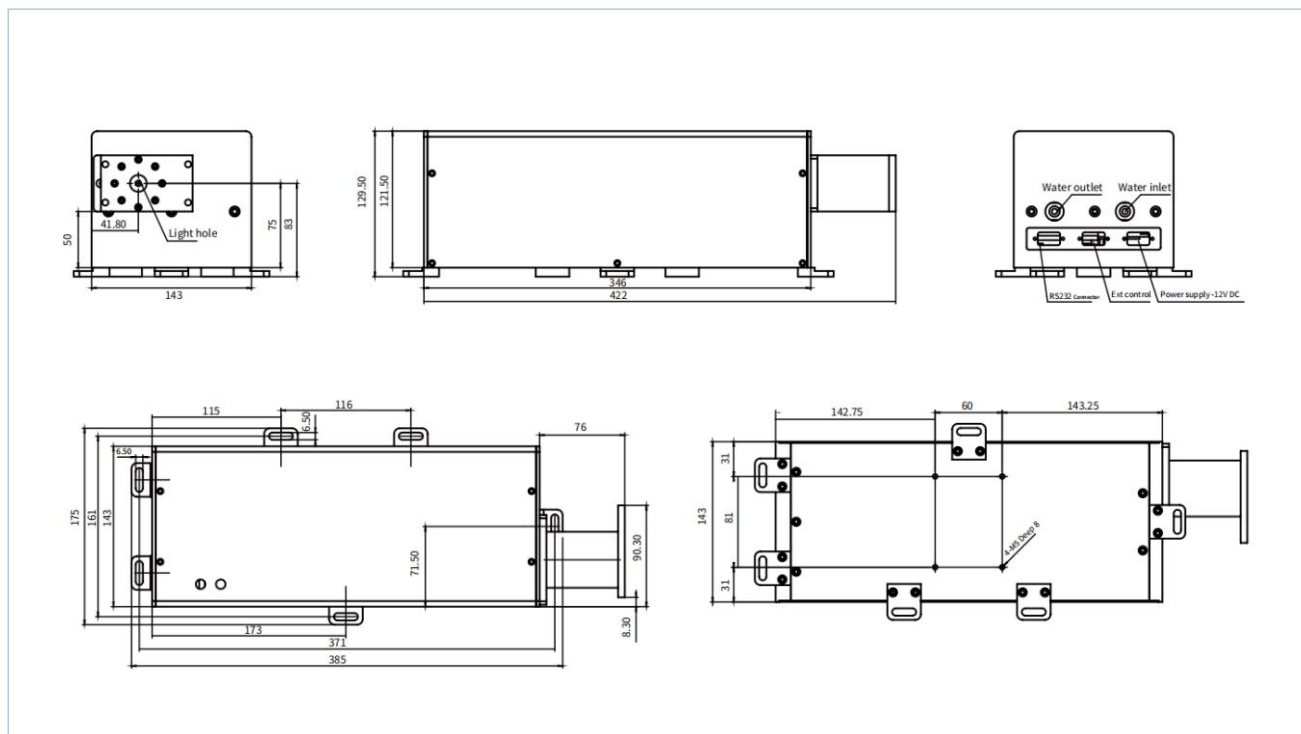
- Glass marking - Quartz, high borosilicate, K9, etc.



Specifications

Model No.	MMEPU-355-10-ZRS2
Optical Characteristics	
Wavelength (nm)	355nm ± 1nm
Average Power (W)	>10W@40kHz
Single Pulse Energy (uJ)	~250uJ@40kHz
Pulse Width (ns)	~10ns@40kHz
Repetition Rate	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 expander)
Beam Circularity	>90%
Spatial Mode	TEM ₀₀ , M ² <1.3
Operating Specifications	
Warm-up Time	<15 minutes from cold start
Electrical Requirement	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



Stone series active Q-switched IR lasers



12-30W

The laser power

IP65

Protection grade

20000⁺h

The service life

Introduction

Newly upgraded all-in-one structure, water-cooled, with higher beam quality, power stability and pulse stability, easier to integrate, easy to deal with the marking of transparent products and the etching of ITO films.

Features

- The laser power 12-30W;
- Water cooling, 3-layer protective shell, protection grade IP65, suitable for harsh working environment;
- Pulse width, power and frequency are all adjustable to meet different process requirements;
- All-in-one structure, easier to integrate and smaller in size;
- Ultra-high stability to meet 7*24 hours of work, with a service life exceeds 20,000 hours.

Application

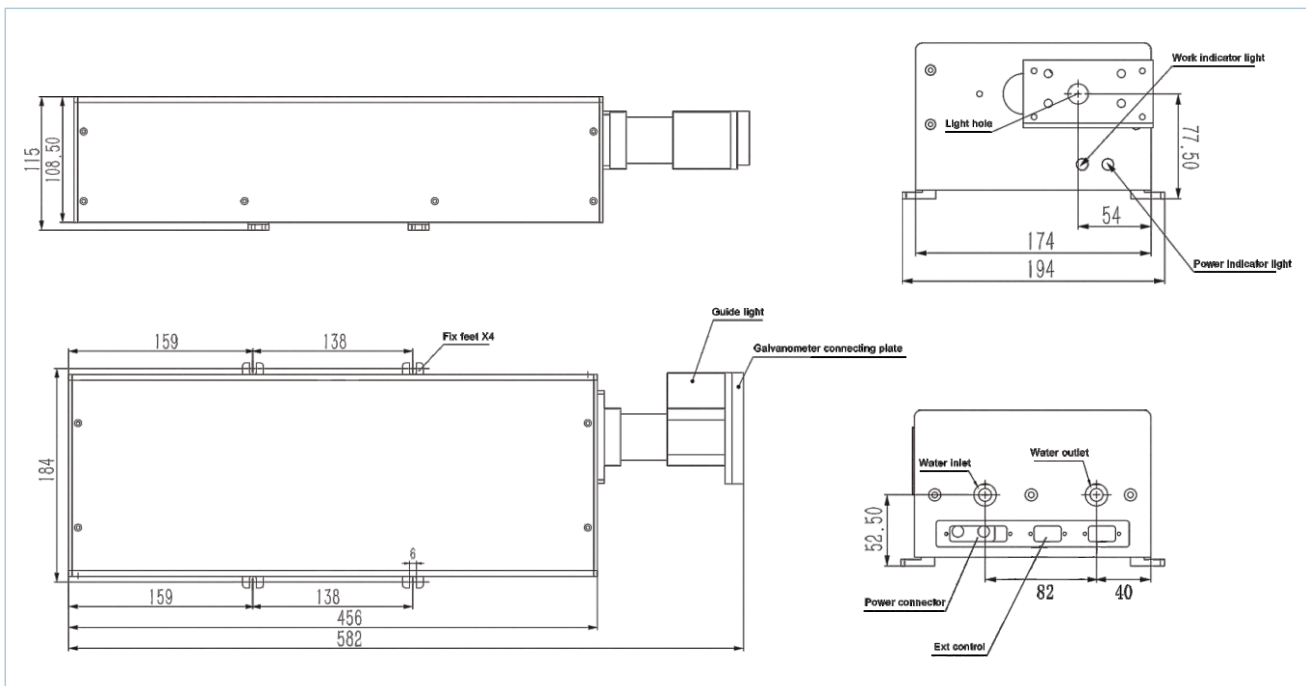
- Transparent key & button paint stripping
- ITO film etching



Specifications

Model No.	MMEPA-1064-12	MMEPA-1064-15	MMEPA-1064-20	MMEPA-1064-25	MMEPA-1064-30
Optical Characteristics					
Wavelength (nm)	1064nm				
Average Power (W)	>12W@CW	>15W@CW	>20W@CW	>25W@CW	>30W@CW
Single Pulse Energy (uJ)	~270uJ@40kHz	~330uJ@40kHz	~450uJ@40kHz	~550uJ@40kHz	~600uJ@50kHz
Pulse Width (ns)	~16ns@40kHz				15~16ns@50kHz
Repetition Rate	20-500kHz				
Pulse Stability	<3% rms				
Long Term Stability	<±3%				
Beam Characteristics					
Polarization Ratio	Horizontal;>100:1				
Beam Diameter	6mm(Built in beam expander)				
Beam Circularity	>90%				
Spatial Mode	TEM ₀₀ , M ² <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



Stone series high power green lasers



10-20W

The laser power

IP65

Protection grade

20000⁺h

The service life

Introduction

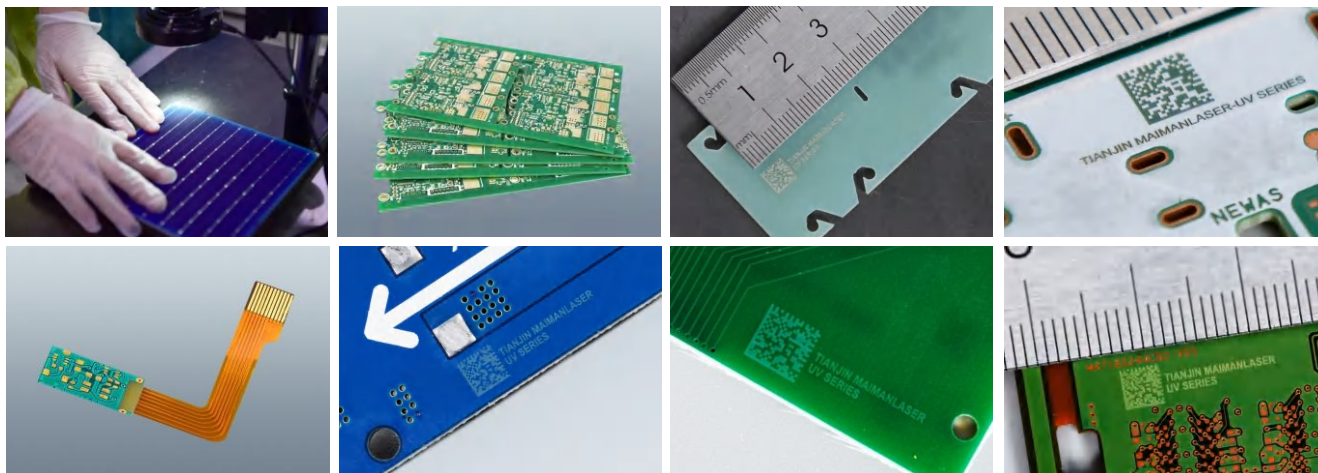
Superior beam quality and high laser power, capable of PCB&FPC cutting and marking easily, with more stable performance.

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

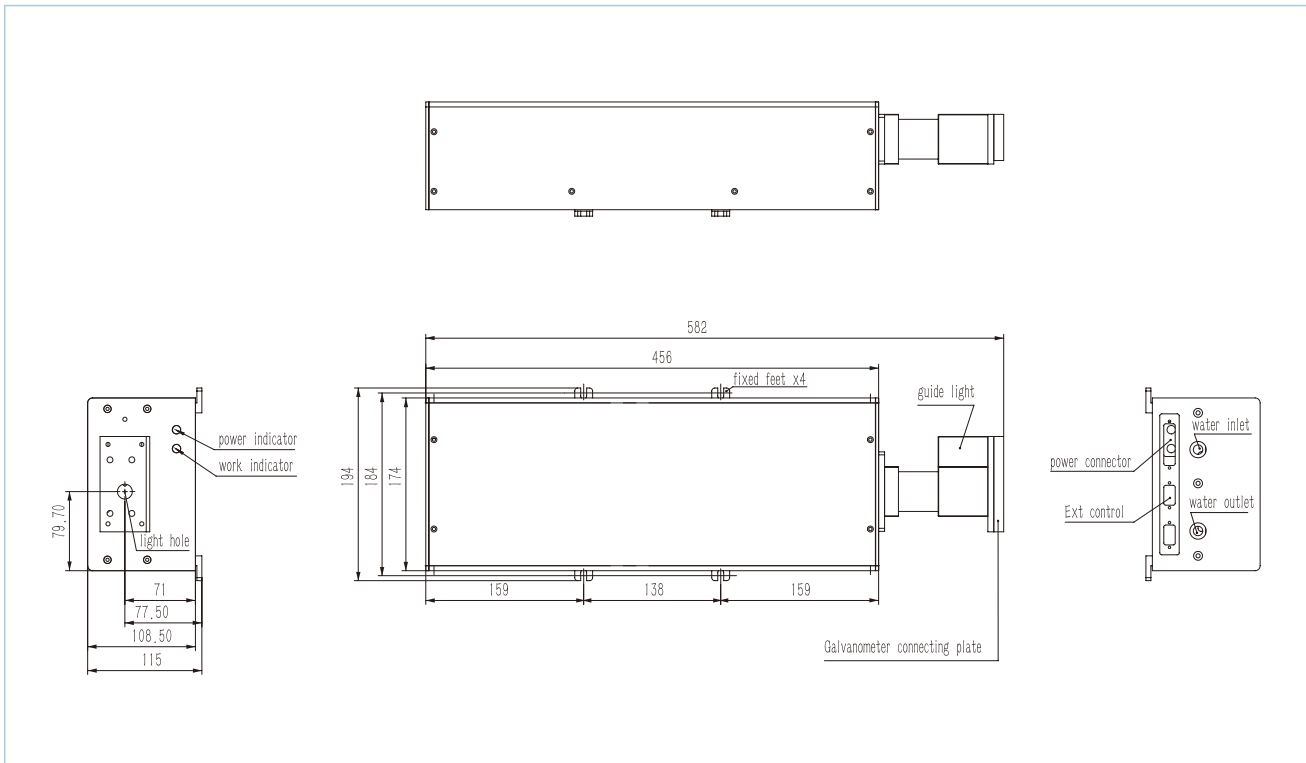
- Solar cell scribing
- Precision cutting
- PCB & FPC marking



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	20-500kHz		
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 <1.3		
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



Stone series fiber green laser



4-5W

The laser power

6-8ns

The pulse width maintains

20000⁺h

The service life

Introduction

The repetition rate 20-30kHz, the pulse width maintains at 6-8ns, lower processing heat, higher peak power, better processing capacity.

Features

- The laser power 4-5W;
- Narrow pulse width, low thermal effect of processing, not easy to cause scorch on the plastic surface;
- High peak power, strong processing ability, capable of processing more materials;
- Air-cooled structure, compact laser head, compatible with the optical path of fiber laser;
- Service life exceeds 20000 hours.

Application

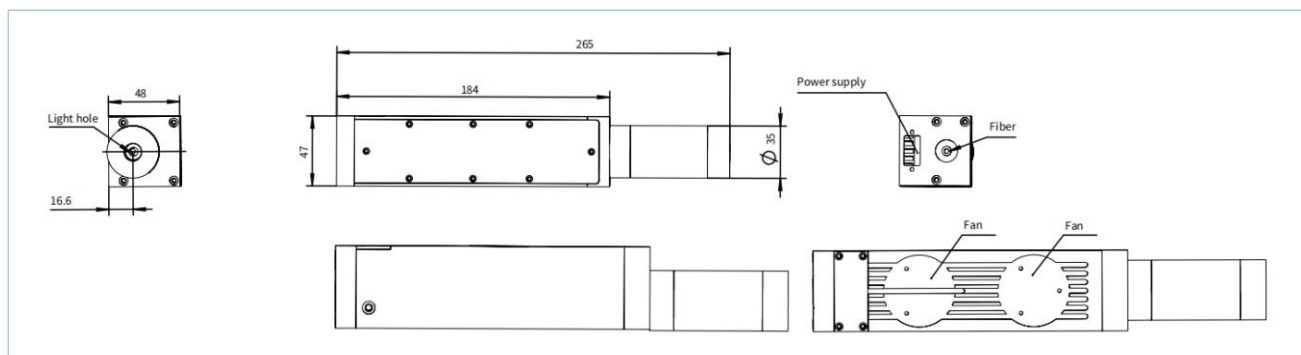
- Packaging films marking
- Gold-plated surface blackening treatment
- Metallic materials marking
- 3C product surface marking



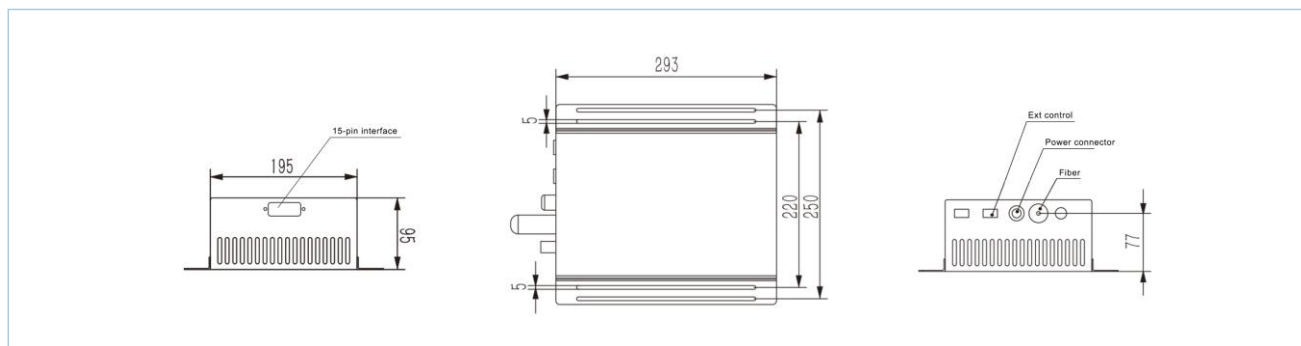
Specifications

Model No.	MMEPGF-532-5L
Optical Characteristics	
Wavelength (nm)	532nm ± 1nm
Average Power (W)	5 ± 0.5W @ 20kHz
Single Pulse Energy (uJ)	200-250uJ @ 20kHz
Pulse Width (ns)	~7ns @ 20kHz
Repetition Rate	Uncontrollable, range 20-30kHz
Pulse Stability	<3% rms
Long Term Stability	<±3%
Beam Characteristics	
Polarization Ratio	Linear; >100:1
Beam Diameter	6mm
Beam Circularity	>90%
Spatial Mode	TEM ₀₀ , M ² < 1.3
Operating Specifications	
Warm-up Time	<15 minutes from cold start
Electrical Requirement	DC12V, >200W
Ambient Temperature	10-35°C, RH < 80%
Storage Conditions	-10-40°C, RH < 90%
Physical Characteristics	
Cooling System	Air-Cooled

Dimensional Drawings



Driver



Stone series cold light IR lasers



5-10W

The laser power

> 30kW

The peak power

20000⁺h

The service life

Introduction

The frequency 20-30kHz, the pulse width maintains at 6-8ns, lower processing heat and higher peak power can achieve alumina black marking easily, with stronger processing capacity.

Features

- The laser power 5-10W;
- The pulse width 6-8ns, the processing heat is only 1/10 that of fiber laser, which will not cause plastic scorch;
- The peak power > 30kW, which is 10 times that of fiber laser, the processing capacity is stronger;
- Anti-reflection function, easy to deal with high reflective materials such as gold, silver and copper;
- Ultra-high stability, with service life exceeds 20,000 hours.

Application

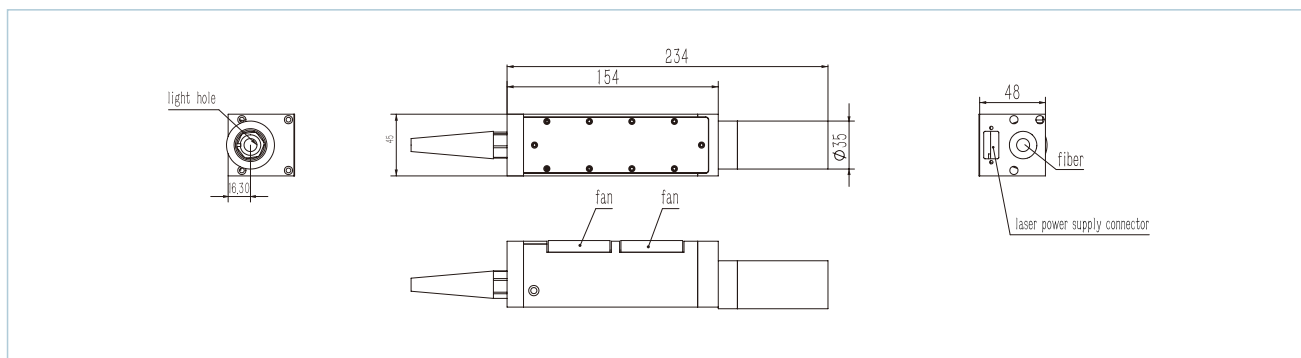
- Material marking - Auto parts, high reflective materials, plastic shell, etc.



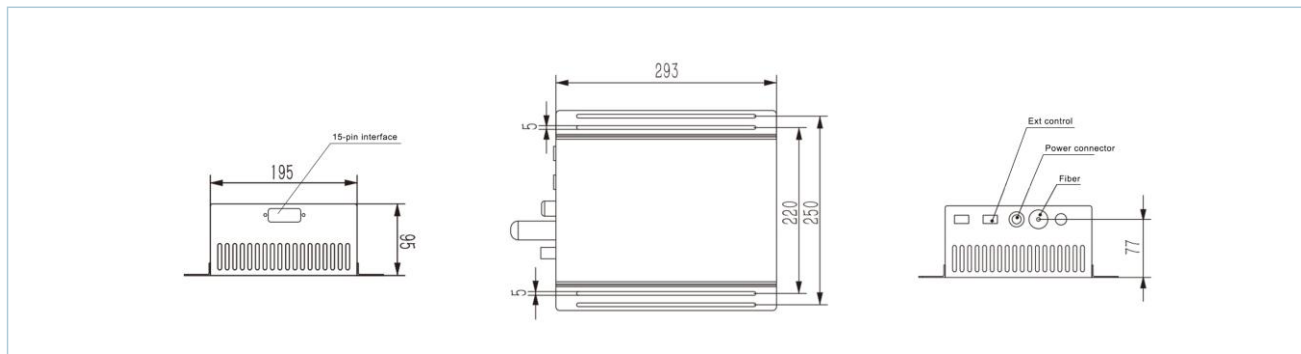
Specifications

Model No.	MMEPF-1064-5	MMEPF-1064-8L	MMEPF-1064-8	MMEPF-1064-10
Optical Characteristics				
Wavelength (nm)	1064nm±1nm			
Average Power (W)	>5W@20kHz	>8±1W@20kHz	>8W@20kHz	>10W@20kHz
Single Pulse Energy (uJ)	~150uJ@20kHz	~400uJ@20kHz	~400uJ@20kHz	~500uJ@20kHz
Pulse Width (ns)	~7ns@20kHz			
Repetition Rate	Uncontrollable, range 20-30kHz			
Pulse Stability	<3% rms			
Long Term Stability	<±3%			
Beam Characteristics				
Polarization Ratio	Random polarization			
Beam Diameter	7mm			
Beam Circularity	>90%			
Spatial Mode	TEM ₀₀ , M ² <1.5			
Operating Specifications				
Warm-up Time	<15 minutes from cold start			
Electrical Requirement	DC12V, >200W			
Ambient Temperature	10-35°C, RH<80%			
Storage Conditions	-10-40°C, RH<90%			
Physical Characteristics				
Cooling System	Air-Cooled			

Dimensional Drawings



Driver



Layout International Market



365 day 24-hour full-time guarantee service

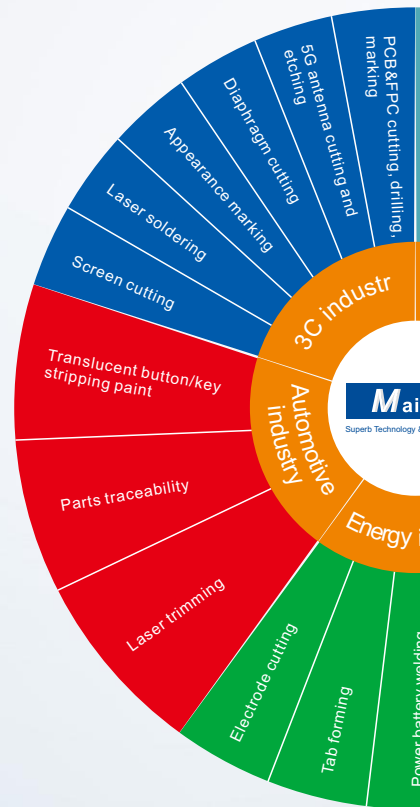
Based on the global market and adhering to the service concept of "professional, timely, efficient and high-quality", Maiman Laser has established a number of professional and efficient service teams in domestic and overseas markets, so as to provide customers with better process testing, sales service, after-sales support and other related services.

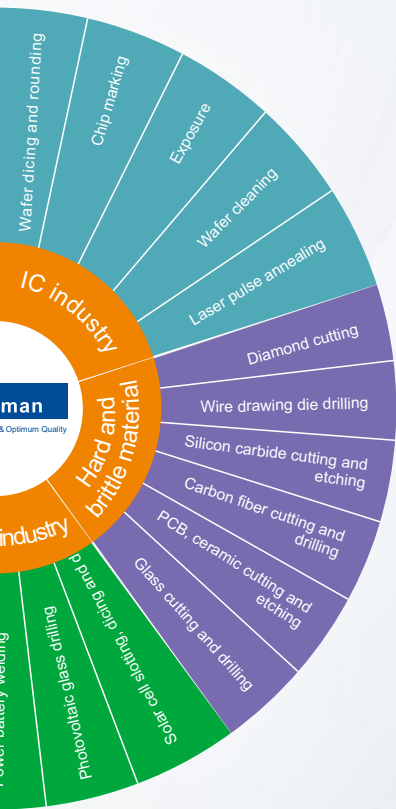
365 day 24-hour full-time guarantee service, to summarize, analyze and solve problems encountered by customers quickly. Through regular theoretical and practical training services, customers can master the ability to troubleshoot and repair basic product failures, and quickly meet the needs of users. At the same time, focus on strengthening overseas service layout, optimize regional layout, improve service capabilities, and build a global service system through cooperation with local distributors and establishment of service sites independently.

Build International Influence



2000⁺
Global customers





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Website



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