

- All Products
- UV Laser Marking Machine
- Portable Laser Marking Machine
- Flying UV Laser Marking System
- DPSS UV Laser
- Plastic Laser Marking Machine
- Glass Laser Marking Machine
- Leather Laser Marking Machine
- Metal Laser Marking Machine
- Galvo Scan Head
- Laser Galvo Scanner
- DPSS Green Laser
- CO2 Galvo Scanner
- Laser Marking Machine Parts



I'm Online Chat Now

[Contact Now](#)

5W 355nm Handheld Laser Marking Machine For Aluminum



Stainless Steel Straw UV Laser Marking



Large Image : 5W 355nm Handheld Laser Marking Machine For Aluminum

Product Details:

Place of Origin:	Shenzhen, China
Brand Name:	Gainlaser
Certification:	CE
Model Number:	GL-UV-08A

Payment & Shipping Terms:

Minimum Order Quantity:	1
Price:	Please inquire individually
Packaging Details:	Export Wooden Case
Delivery Time:	5-8 days
Payment Terms:	T/T
Supply Ability:	100 units per months

[Contact Now](#)
[Chat Now](#)



Detailed Product Description

Product Name:	Portable UV Laser Marking Machine	Laser Wavelength:	355nm
Average Output Power:	> 5W@40KHz	Max Pulse Energy:	> 0.125mJ@40KHz
Pulse Duration:	< 15ns@40KHz	Pulse Repetition Frequency:	1-150KHz

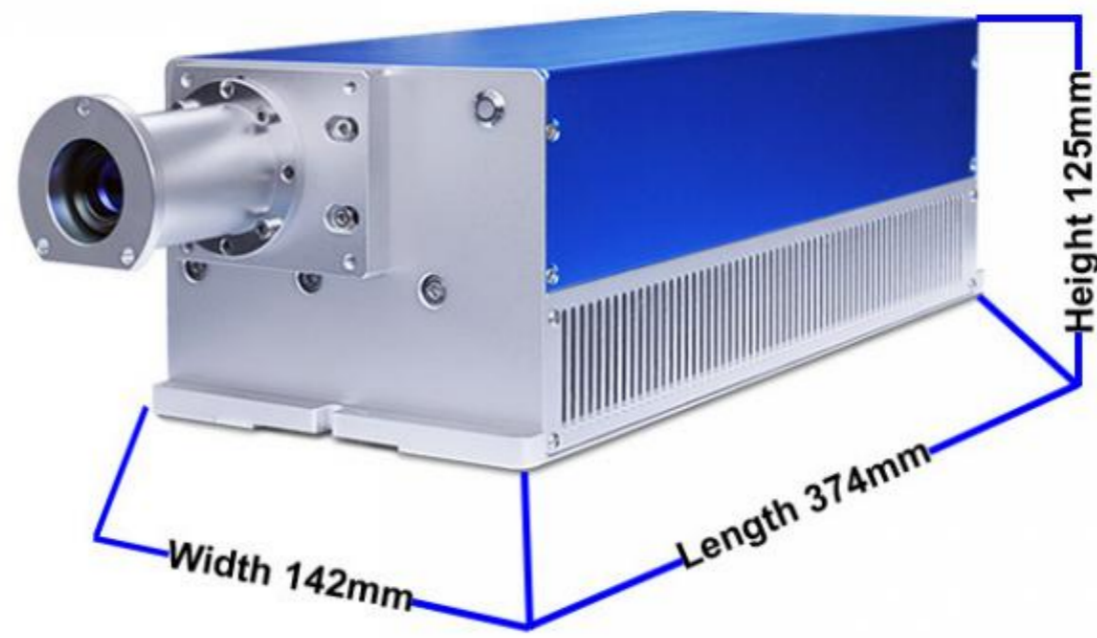
High Light: 355nm Handheld Laser Marking Machine, 5W Handheld Laser Marking Machine, 5W portable laser printing machine

Portable Laser Marking Machine Ultraviolet 5W

1. Product Highlight

- 355nm DPSS UV laser with average output power $\geq 5W@40KHz$, pulse width $\leq 15ns@40KHz$;
- American brand semiconductor module, high working stability, laser lifespan > 20,000 hours;
- Mark plastic, glass, metals, wood, leather, fruits, paper, etc.;
- Short wavelength 355nm, generating tiny focused laser spot($\varphi < 0.01mm$), achieving high precise marking;
- Cold processing method, small heat affected area, little thermal deformation on material surface;
- Small size and light weight, an adult male can move the machine easily;
- Professional JCZ control board and EZcad2 software, easy operation & excellent functions;
- High repetitive precision 0.02mm galvo scanner with clear aperture 10mm, high marking quality;
- Structure-optimized aluminum profile cooling module, in-built 7 cooling fans, quick cooling effect.





Net Weight 8KG

2. FAQ

1. Are you manufacturer or reseller?

Answer: Since the year of 2002, our company engages laser processing equipments. At beginning, we design and produce the metal housing of laser processing machines. In 2013, our company began developing laser scan heads, including mirror wavelength 355nm, 532nm, 1064nm & 10.6μm. With our company business development, we research and develop DPSS laser from the year of 2015. Meanwhile, we provide complete UV laser marking machines. We're a well-known brand and have increasing market share in domestic market, we have more than 3000 clients in China domestic market.

2. How do you position your UV laser for product quality compared to your competitors of HUARAY, Inno, Inngu?

Answer: In terms of market feedback, the quality of our UV laser is almost same with the competitors. According to test report, the technical parameters of our lasers are very close to HUARAY, you could compare the parameters yourself. And, our UV laser adopts American brand imported semiconductor, including 'Nlight', 'Coherent', etc. Besides, our UV lasers are small size and portable design, for example our air cool UV laser size L374*W142*H125mm, net weight 8KG and water cool UV laser size L395*W142*H125mm, net weight 7.5KG.

3. How about the performance of your scan head?

Answer: no deformation when mark tiny letters for example letter height 0.1mm. The repetitive positioning precision of our scan head is within 10μm. According to our technical testing, mark two same patterns on transparent materials by using our scan head, both of the patterns can coincide exactly.

4. What's the marking control board and software in your machine?

Answer: we adopt JCZ control board and EZcad software.

5. What kind of materials can your machines mark?

Answer: UV laser can mark most common materials, including plastic, glass, metal, leather, diamond, wood, paper, etc. Compared with fiber laser and CO2 laser, the processing temperature of UV laser is obviously lower, and UV laser's heat affected zone is smaller. For some materials, UV laser works better. Besides, since UV laser's wavelength is shorter and its focused laser spot is much smaller, the marking precision of UV laser is obviously higher, which make it especially suitable to mark small letters.

6. What's the warranty of your products? After I purchase your products, if any problem happens, what can you help us?

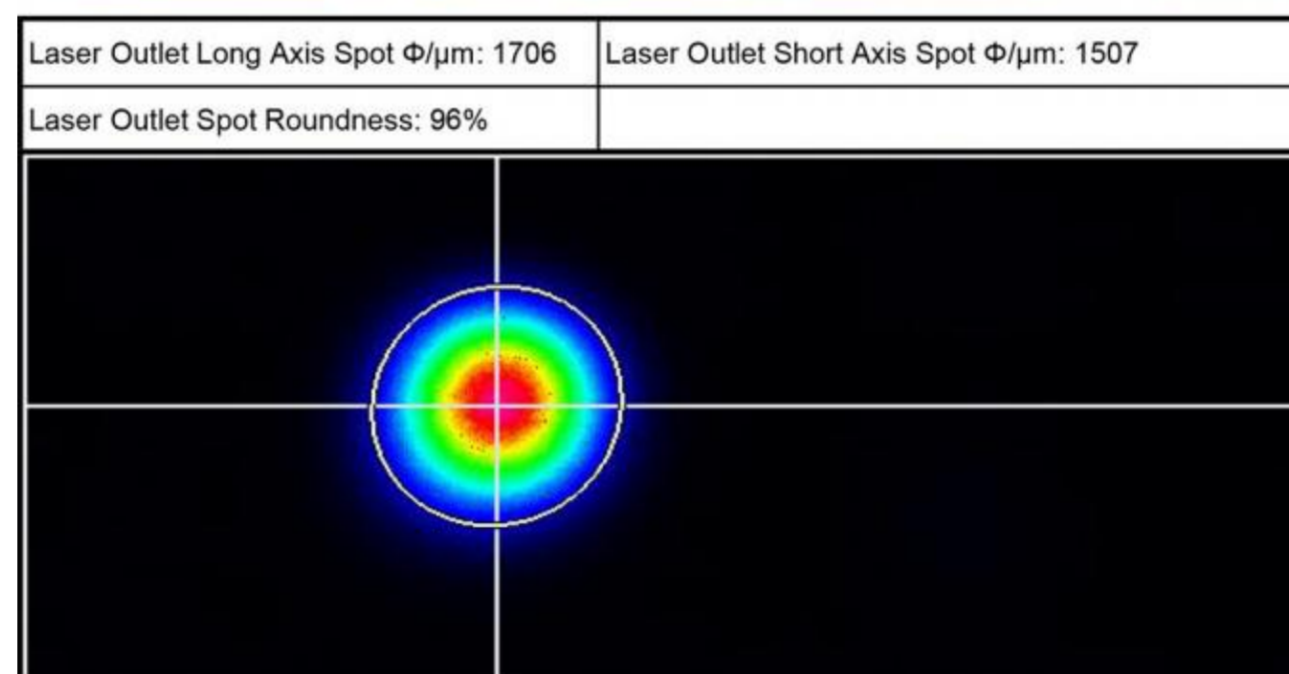
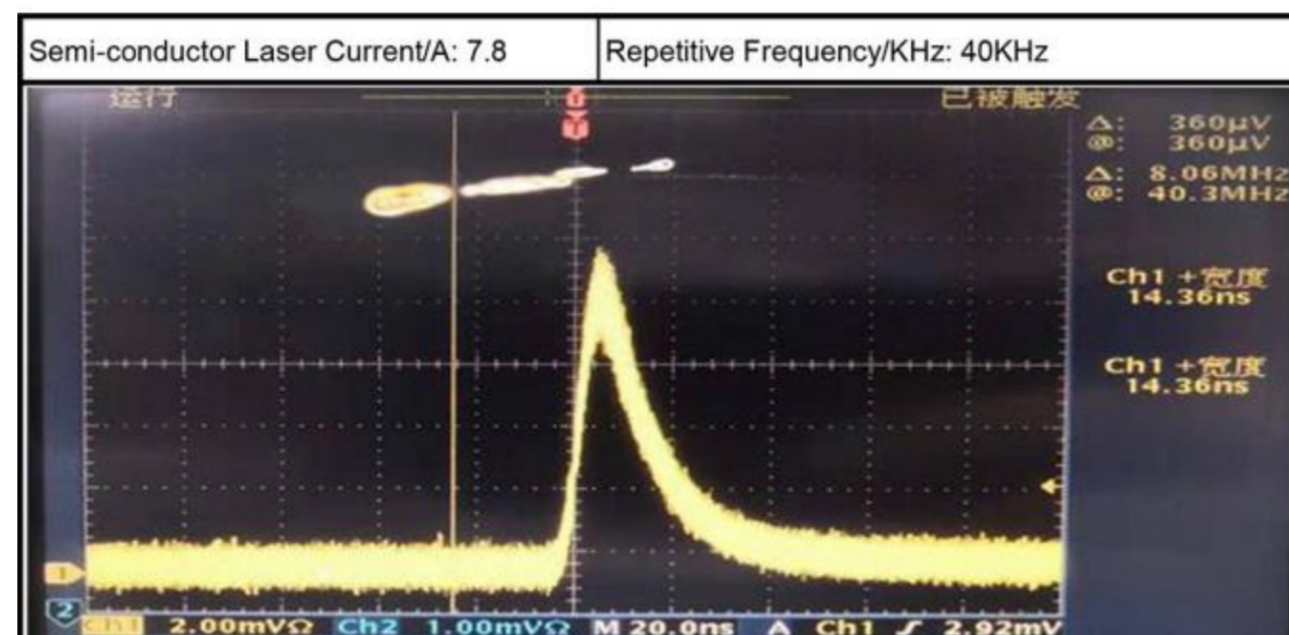
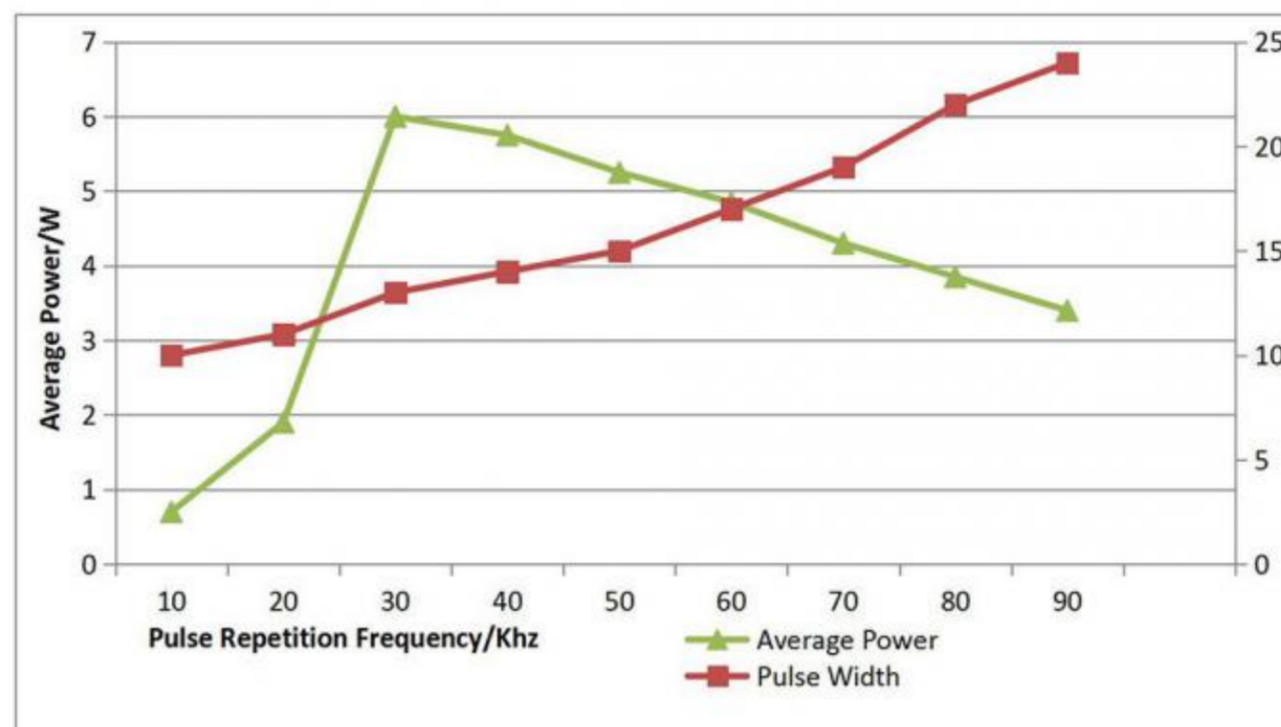
Answer: the warranty of our products are 12 months. If any non-artificial problem happen to our products, free spare parts will be provided to you, or we help you to repair it. We provide on-line remote technical support. Any requirement of after-sale need from client is responded in 24 hours.

3. Technical Parameter

Product Name	Portable UV Laser Marking Machine	Model	GL-UV-08A
Laser Wavelength	355nm	Cooling Mode	Air Cooled
Average Output Power	≥5W@40KHz	Pulse Width Type	≤15ns@40KHz
Marking Area	110*110mm	Marking Accuracy	0.01mm
Pulse Repetition Frequency	10 KHz - 150 KHz	Minimum Character Size	0.15*0.15mm
Beam Roundness @ Laser Outlet	≤96%	Max Marking Speed	2000mm/s
Machine Size	L670*W320*H670mm	Net Weight	34KG
Laser Source Brand	Gainlaser	Power Supply	AC110V / 220V +10% / 50HZ or 60HZ
Control Board & Software Brand	JCZ / EZcad2	Operation System	Win XP / 7 / 8 / 10 (32 bit , 64 bit)

4. UV Laser Parameters

Semi-conductor Laser Current/A: 7.8			Semi-conductor Laser Temp/°C: 28		
Double-frequency Crystal Temp/°C: 35			Triple-frequency Crystal Temp/°C: 40.6		
No.	Pulse Repetition Frequency/KHz	UV Laser Output Power/W	Pulse Width/ns	TTL Signal Pulse Width(40KHz)/μs	Laser Output Power/W
1	10	0.7	10	1	5.75
2	20	1.9	11	3	5.05
3	30	6	13	5	4.4
4	40	5.75	14	7	3.7
5	50	5.25	15	9	3.1
6	60	4.85	17	11	2.5
7	70	4.3	19	13	1.9
8	80	3.85	22	15	1.4
9	90	3.4	24	17	1



5. UV Laser Marking Samples

1) Plastic Materials

UV laser can apply to most universal plastic and some engineering plastics, such as PP, PE, PBT, PET, PA, ABS, POM, PS, PC, PUS, EVA, etc., and plastic alloy, like PC/ABS and other material. The marking is clear and bright, and can mark black and white color on natural color plastic, white plastic, colored plastic and black plastic. Successful commercialized application in the plastics include animal ear tag, light switch cover, cosmetic packaging material, vehicle interior button and doorknob, instrument panel, ABS keyboard, HDPE, PET and PVC rigid container and container cover, nylon and PBT automobile and non-automobile electrical connector, engine hood element such as fuse box and air cap, anti-counterfeit labels, container lock catch, stationery, home appliance shell, etc.



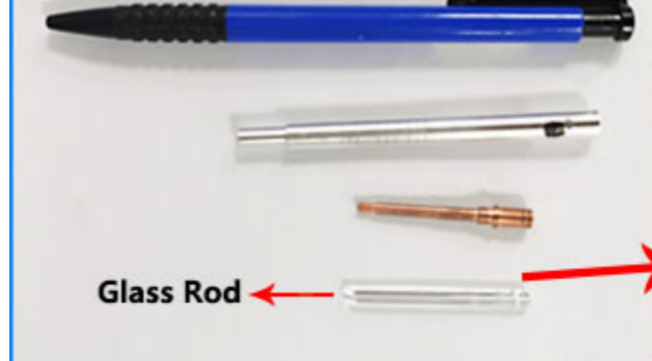
2) Glass Material Processing

Since the focal spot of UV laser is very tiny and processing temperature is low, furthermore as a non-contact marking technology, UV laser is very suitable to mark glass material. Successful UV laser commercialized applications include wine bottle, flavour bottle, drinking bottle and other industries glass bottle package and glass tableware, glass crafts gifts, crystal marking, etc. Besides marking glass directly, UV laser can also remove paint or coat on glass to form text or pattern, like logo, number or other patterns;



Glass Wine Bottle Marking

Glass Bottle QR Code Marking



Glass Cup Marking

Letter Height 0.5mm



Glass Micro Marking

Glass Micro Marking



Glass Photo Marking

Glass Logo Marking



UV Laser Frosted Glass

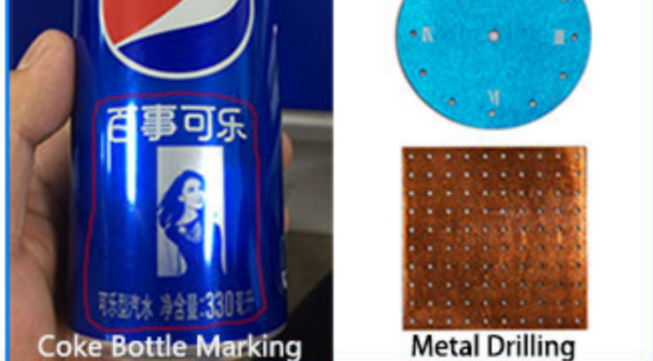
Glass Straw Logo Marking

3) Metal Marking



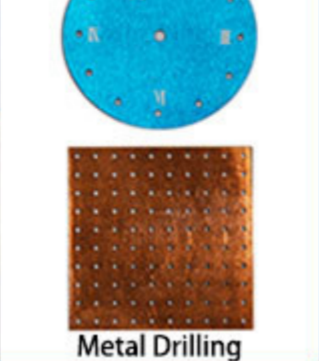
Metal Surface Marking

Aluminium Oxide Marking

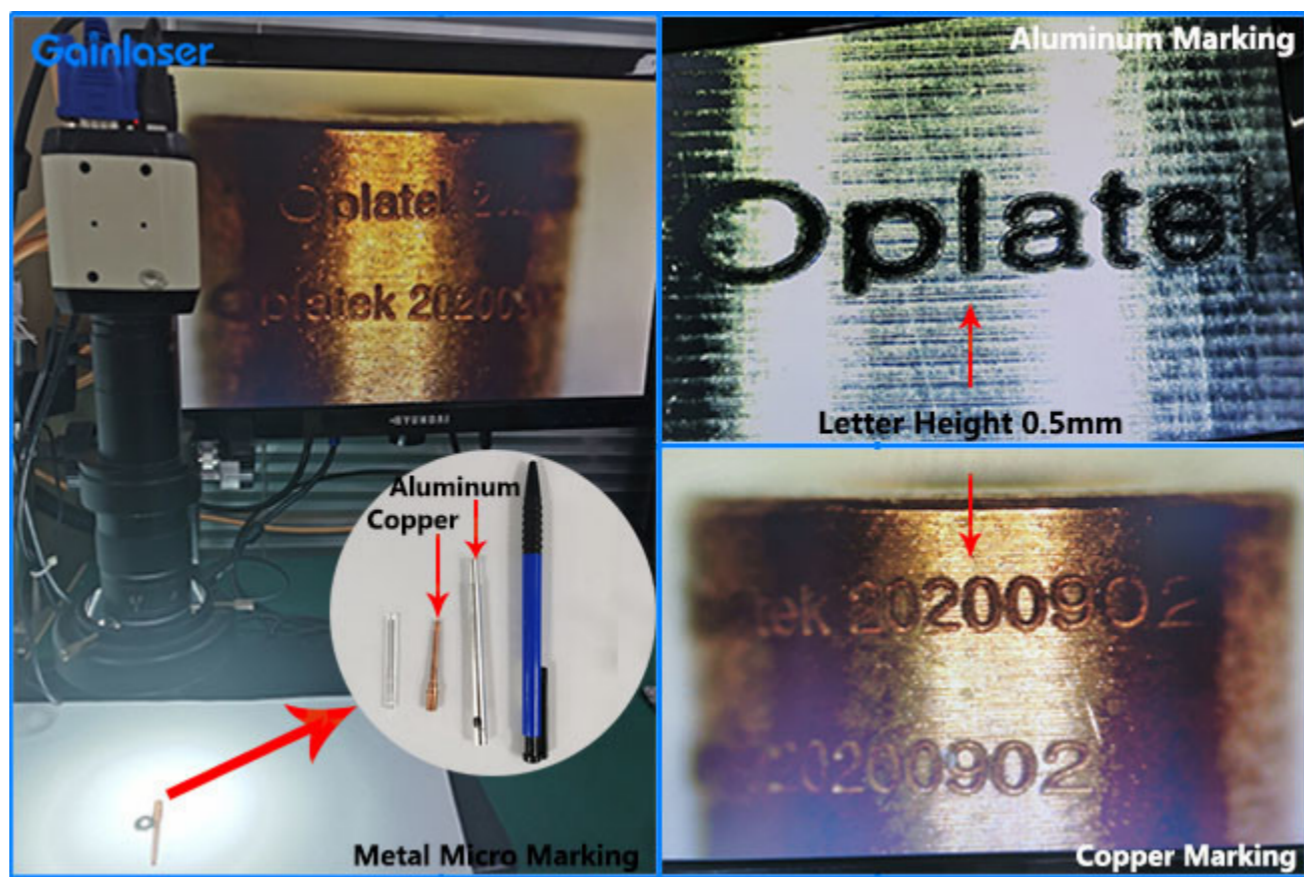


Stainless Steel Straw Marking

Coke Bottle Marking



Metal Drilling



4) KN95 Mask Marking



5) Other Material



6. Company Profile

Shenzhen Gainlaser Laser Technology Co., Ltd. is a professional manufacturer of DPSS nanosecond lasers(355nm, 532nm & 1064nm), DPSS picosecond lasers(1064nm), scan head(355nm, 532nm, 1064nm & 10.6µm) and laser marking machines in Shenzhen, China. Since 2002 established, our group company has been engaging in laser equipments.

Our R&D team is led by Professor Huang Guobiao, former director of SSL Research Center of HUST University, who developed the first picosecond laser in China. Gainlaser has a 100-class dust-free purification laboratory and production workshop, equipped with complete instruments and equipments for solid-state laser testing and auxiliary production. We owns the independent intellectual property rights.

We have complete mechanical processing and sheet metal processing capabilities, and high related supporting capabilities of laser equipments. Besides, we provide complete after-sales services, which responds to clients' after-sales needs quickly.



Tag: 3W portable laser engraving machine, 355nm laser engraver for plastic, Gainlaser Portable Laser Marking Machine

Contact Details

Shenzhen Gainlaser Laser Technology Co.,Ltd
 Contact Person: admin
 Tel: +8618033412343








Send your inquiry directly to us

Send your inquiry to our good quality 5W 355nm Handheld Laser Marking Machine For Aluminum products.

(0 / 3000)

Contact Now

Other Products

 <p>3W 0.15mm Portable Laser Marking Machine For Home Use Product Name:</p>	 <p>Small Sized 3W 355nm Portable Laser Engraving Machine Product Name:</p>	 <p>5W 355nm Air Cooled Laser Marking Equipment Product Name:</p>	 <p>Gainlaser 3Watt Portable Laser Marking Machine For Plastic Product Name:</p>	 <p>5Watt 2000mm/S Portable Laser Printing Machine For Wood Product Name:</p>
--	---	--	---	--

UV Laser Marking Machine

- Gobo Images 3watt Glass Marking Machine With UV Laser
- Gainlaser ±0.01mm Air Cooled Engraving Metal Machine
- Handheld 3Watt 355nm Laser Etcher For Metal
- High Precision 3W 2000mm/S UV Laser Marking Machine

Plastic Laser Marking Machine

- Win XP 10mm Aperture Plastic Laser Marking Machine For Leather
- 3W 355nm Air Cooled Laser Marking Machine For Plastic
- 5 Watt 0.15mm Plastic Laser Marking Machine For QR Code
- AC110V 2000mm/S Plastic Laser Marking Machine For Bar Code

Galvo Scan Head

- TFT-FSP-10 1064nm Fiber Laser Head For Laser Marking Machines
- 1064nm 4000 Mm/S Laser Scanning Head For Fiber Laser
- High Stability Aperture 10mm CE Galvo Head CO2 Laser
- 4000mm/S 3.5 Mrad Galvo Laser Head For Fiber Laser

Request A Quote

Enter Email Address

[E-Mail](#) | [Sitemap](#)

[Mobile Site](#)