

## Product Information

### Product Description:

Carmanhaas [Fiber Laser Marking Machine Factory China](#) adopts highly integrated fiber laser and high-speed scanning galvanometer. The output power is stable, the optical mode is good, suitable for fine and precise marking; small size, full air cooling, no consumables, maintenance-free, to meet the needs of industrial continuous work; imported or domestic lasers can be selected according to requirements.

□□ □□:

- (1) Mark a variety of metallic and non-metallic materials.
- (2) Non-contact processing, no damage to products, no tool wear, good marking quality;
- (3) The beam quality is good, the loss is low, and the processing heat affected area is small.
- (4) High processing efficiency, computer control and easy automation
- (5) Marking software is compatible with files from Coreldraw, AutoCAD, Photoshop and other software
- (6) Support PLT, PCX, DXF, BMP, etc., you can directly use SHX, TTF font library.
- (7) Support automatic coding, printing serial number, batch number, date, barcode, QR code, automatic number jump, etc.

□□ [Portable Mini Fiber Laser Marking Machine Supply in China](#) to learn more



### Product Application:

#### \*Applicable Materials:

Fiber Laser Marking Machine is suitable for all kind of metal, industrial plastic, electroplates, metal-coated materials, rubbers, ceramics and so on.

#### \*Applicable Industry:

This Fiber Laser Marking Machine widely used in mobile button, plastic transparent button, electronic parts, IC, tools, communication products, bathing products, tool accessories, glasses and watches, jewelry, button decoration for boxes and bags, cookers, stainless steel products and □.

### Technical Parameters:

P/N	LMCH-20	LMCH-30
Laser Output Power	20W	30W
□□	1064nm	1064nm
Beam Quality M2	□1.3	□1.3
Laser frequency	20kHz~200kHz	30kHz~200kHz
Marking Area	70*70mm 110*110mm 150*150mm 175*175mm	70*70mm 110*110mm 150*150mm 175*175mm
Marking Depth	≤1mm	≤1.5mm
Total Power	800W	800W
Minimum line width	0.03mm	0.04mm

Repeat accuracy	$\pm 0.0001\text{mm}$	$\pm 0.0001\text{mm}$
□□	220±10%, 50/60Hz ,2.5A	220±10%, 50/60Hz ,2.5A
Cooling system	Air Cooling	Air Cooling



□□ **Spections:**

# Product details

01

Raycus laser source

Raycus' 10~100W Q-switched pulsed fiber lasers feature high peak power, high pulse energy and optional output beam size. They are widely used in marking, precision drilling and engraving on non-metal and high reflection metals, such as gold, silver, aluminum and stainless steel etc..



02

Galvanometer

Galvanometer scanner and beam expander to form a two dimensions scanning system. The scan lens is optimized to provide a flat field image with diffraction-limited spot size in micron scale over the entire scan field.

03

F-theta lens

it have very good laser beam transparent rate, less laser beam loss, longer lifetime than other brand lens  
200\*200/300\*300mm lens could be configured



04

Laser controller card



Laser control card enables real-time control of scan system and lasers over a standard USB host interface. Customers can integrate complete machinery easily over the laser control card due to its compactness and I/O capabilities. Fast response times and short execution cycle times make the EzCad Card perfectly suitable for high performance applications. It can load marking file via a removable MMC memory card.

# Marking

## The Kitchenware Industry



## The Jewelry Industry



■ The Car Industry



■ Other Industry



Factory&Certificate





# C E R T I F I C A T E

## ATTESTATION CERTIFICATE OF MACHINERY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully. 2006/42/EC Machinery Directive and 2014/ 35/EU Low Voltage Directive have been taken as references for these processes

Company Name : **Caman HAAS Laser Technology (Suzhou) Co., Ltd.**

Company Address : No 155, West Road Suhong, Suzhou Industrial Park, Suzhou City, Jiangsu , P.R.China

Related Directives and Annex : **Low Voltage Directive 2014/35/EU  
Machinery Directive 2006/42/EC**

Related Standards : **EN ISO 12100:2010; EN 60204-1:2006+A1:2009+AC:2010**

Product Name : **Laser Marking Machine**

Report No and Date : SD-90049717;09.08.2018

Product Brand/Model/Type : LMCH-3W,LMCH-5W,LMCH-10W,LMCH-15W,LMCH-20W,LMCH-25W,  
LMCH-30W,LMCH-50W,LMCH-60W,LMCH-70W,LMCH-100W,  
LMCH-120W,LMCH-150W,LMCH-200W,LMCH-300W,LMCH-500W

Certificate Number : **M.2018.201.N6073**

Initial Assessment Date : 10.08.2018

Registration Date : 13.08.2018

Reissue Date/No :

**Expiry Date : 12.08.2023**

  
UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.

The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr). The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s)

**Address:** Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY

**Phone:** +90 0312 443 03 90 **Fax:** +90 0312 443 03 76

**E-mail:** [info@udemltd.com.tr](mailto:info@udemltd.com.tr) [www.udem.com.tr](http://www.udem.com.tr)







# Certificate of Approval

Certificate No. : 10119Q12565ROM

*Awarded to*

**Carman Haas Laser Technology(SuZhou)  
Co., Ltd.**

Organization Code Certificate No. / Unified Social Credit Code:91320594MA1MF4EP56  
Add.:No.155, West Road Suhong, Suzhou Industrial Park, Suzhou City, Jiangsu Province, P.R. China. 215000

*Beijing ZhongLian TianRun Certification Center (ZLTR) certify that the  
Quality Management System of the above organization has been assessed and found to be  
in accordance with the requirements of the standard:  
GB/T19001-2016 / ISO9001:2015*

SCOPE OF CERTIFICATION/REGISTRATION

**The Research and Development and Production of Optics Lenses (Except the limits of  
national laws and regulations. )**

*This certificate is made valid when used with certification scopes and the requirements of applicable  
laws and regulations. These requirements include, but are not limited to, administrative permits,  
scopes of qualifications, and CCC requirements.*

*Subject to operation conditions in requirements conformity with Quality Management System,*

*This Certificate is valid for a period of three years only,*

**Date from: Mar 13th,2019 To: Mar 12th,2022**

*The effectiveness of this Certificate shall be Validated by periodic surveillance audit  
of ZLTR for maintenance.*

Information of this certificate can be found on the official website of Beijing Zhonglian Tianrun  
Certification center (<http://www.zltr.com.cn>)



**Beijing Zhongliantianrun Certification Center**

Room2603, 22nd Floor, 2nd Unit, Block 1, No.4 Yard, Qiyang Road, Chaoyang District, Beijing, P.R. China 100102

Information of this certificate can be found on the official website of Certification and Accreditation Administration of the People's Republic of China (<http://www.cnca.gov.cn>)

ISO 9001

ISO 9001

## Packing Details

Packing details	One set in a wooden case
Single package size	80x78x34cm
Single gross weight	60Kg
□□ □□	Shipped in 2 days after receiving full payment



**Packing List:**

□□□		□□
Laser Marking Machine	Carmanhaas	1 □□
Machine body	□□□ □□ □ □□	

□ □□□		1 □□
AC Power cord (Optional )	EU/USA /National Standard	1 □□
Wrench tool		1 □□
30cm Ruler		1 □□
□□□ □□□		1 □□
Laser Protective Googles	1064nm	1 □□



**Return Policy:**

We provide a free ONE YEAR Full Machine WARRANTY and TWO YEARS Laser Source WARRANTY  
Should returns be required:

Step 1) Contact us with this website email.

Step 2) Provide as much detail as possible about the problem you are having.

Step 3) Authorization to return the item will be issued.

Step 4) Return the item for the agreed replacement or refund.

□□ □□:

Optics order ship by DHL, UPS, FedEx, TNT, EMS etc For Laser machine order delivery, can be optional with terms of Exwork, FOB, CNF, CIF by air or by sea based on the buyer's forwarder or ours

□□□□ □□

### **Q1.Are you a manufacturer?**

A1: Yes, we are professional and experienced manufacturer with our own molds and production lines.

### **Q2.How about quality of products?**

A2: Our technicians and QC teams test the products one by one using aging line, professional devices and instruments to ensure the quality for all products.

### **Q3.How about price?**

A3: We are a manufacturer and always offer our customers the most competitive prices.

### **Q4.How to place an order?**

A4: Contact with online service, or sent email to us directly, we will reply to you with product price, specifications, packing etc. soon. □□□□.

### **Q5.May I send material to test marking performance?**

A5: Yes! You are welcome to send material to test our superior quality and service.

### **Q6.Can I visit your factory?**

A6 : □, □□□ □□□ □□□ □□□ □□ □□□□.

### **Q7. OEM □□ ODM □□□ □□□ □ □ □□□□?**

A7 : □□□ □□ OEM / ODM □□□ □□ □□ □□ □□ □□ □□□□. □□□ □□□□ □□□□ □□ □□ □□□□□□.

### **Q8. □□□ □□□ □□□□□□□?**

A8 : □ □□□ □□□ □□□ □□ □□ □ MOQ□ □□□ □□□ T / T□ □□ □ □ □□□□.