

Product Information

Product Description:

Carmanhaas Fiber Laser Marking Machine 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.



Product Features:

- (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.



Application industry:

Widely used in plastic transparent keys, integrated circuits (IC), digital product parts, precision machinery, jewelry, sanitary ware, measuring tools and cutting tools, clocks and glasses, electronic components, hardware accessories, hardware tools, mobile communication components, auto and motorcycle accessories High-precision product identification industry such as plastic products, medical devices, building materials and pipes.

Applicable materials:

It is suitable for high-hard alloy, electroplating products, coating products, ABS, epoxy resin, ink coating products, ceramics, engineering plastics, etc.



[fiber laser marking machine](#)

Technical Parameters:

P/N	LMCH-20	LMCH-30	LMCH-50	LMCH-100
Laser Output Power	20W	30W	50W	100W
Wavelength	1064nm	1064nm	1064nm	1064nm
Beam Quality M2	<1.3	<1.3	<1.3	<1.3
Laser frequency	20kHz~200kHz	30kHz~200kHz	50kHz~200kHz	50kHz~200kHz
Marking Area	100x100~ 300x300mm	100x100~ 300x300mm	100x100~ 300x300mm	100x100~ 300x300mm
Marking Depth	≤1mm	≤1.5mm	≤2mm	≤2mm
Total Power	800W	800W	800W	800W
Minimum line width	0.03mm	0.04mm	0.05mm	0.06mm
Repeat accuracy	± 0.0001mm	± 0.0001mm	± 0.0001mm	± 0.0001mm
Electricity	220 ± 10%, 50/60Hz ,2.5A	220 ± 10%, 50/60Hz ,2.5A	220 ± 10%, 50/60Hz ,2.5A	220 ± 10%, 50/60Hz ,2.5A
Machine Size	750mmx 600mmx1400mm	750mmx 600mmx1400mm	750mmx 600mmx1400mm	750mmx 600mmx1400mm
Cooling system	Air Cooling	Air Cooling	Air Cooling	Air Cooling

Product Size



Side



立柱刻度: 45cm

Front

Carman Haas Laser Technology (Suzhou) Co., Ltd



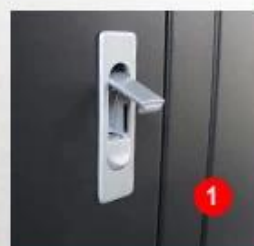
European Design

Safety Cover

Stable Performance

Lifelong Free After-sale Service

Easy to Operation



◀ Open/Close Lock.

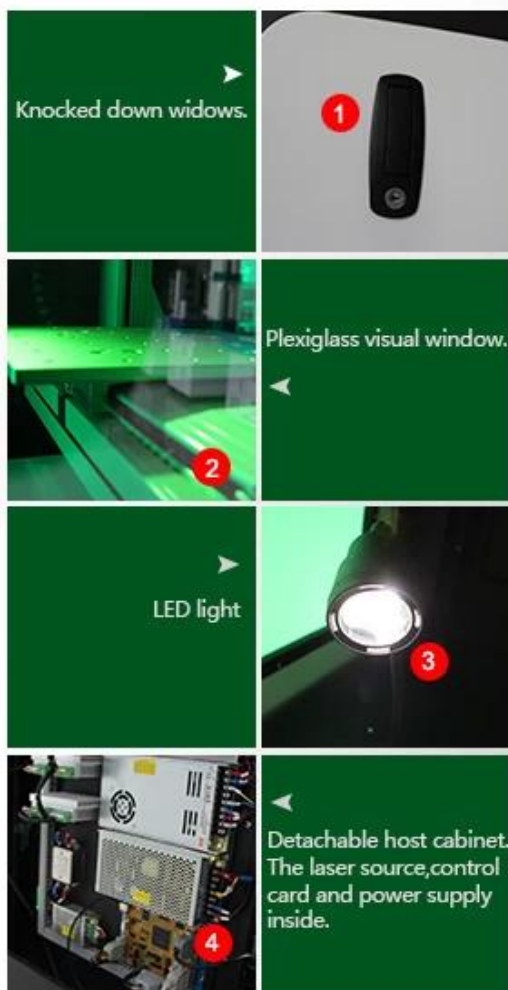
▶ Gas Exhaust System



◀ English Warnings.

▶ Cooling fans.





Fiber Laser Source:
Original Raycus/JPT /IPG optional.



Control System :
EZ-CAD control system with stable
performance and high reliability.
Shield-utilizing part of complex
functions, ensuring higher stability.



Switching Power Supply :
EAdopt Taiwan "Meanwell " Brand.
Stable performance.
Professional technology and long
lifetime.

Appearance details



Grasp the handle and gently lift it up to open the closed cover of the worktable.

Button:
"Stop" "Power" "Laser"
"Up/Down"



360 degree rotary display operating floor. Can adjust the angle freely.

turn on / off the host's door lock.



Field mirrors and galvanometer head.

Optional Electric XY Movable Table



Digital Galvanometer Scanning Head :
Fast speed ability < 0.7ms.
Can realize high speed marking and high precision.



Focus Mirror Lens:
Famous "Wavelength" Brand.
Fast speed, High conversion rate.



Red Light Pointer:
Adpot double red light pointer
for high precision position.

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. 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 www.udem.com.tr





Certificate of Approval

Certificate No. : 10119Q12565R0M

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 ZhongLianTianRun 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>)

Packing Details

Packing details	One set in a wooden case
Single package size	113x85x173cm
Single gross weight	300Kg
Delivery time	Shipped in 2-5 days after receiving full payment



Packing List:

Item Name	Quantity
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Laser Marking Machine	Carmanhaas	1 set
Machine body	Fully enclosed Cabinet	
AC Power cord (Optional)	EU/USA /National Standard	1 set
Wrench tool		1 set
30cm Ruler		1 piece
User Manual		1 piece
Laser Protective Googles	1064nm	1 piece