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Carmanhaas is a small town in the state of New York. It is located in the town of Carmanhaas, which is part of the town of Carmanhaas. The town of Carmanhaas is located in the town of Carmanhaas, which is part of the town of Carmanhaas.

Carmanhaas. [Carmanhaas, New York](#) is a small town in the state of New York. It is located in the town of Carmanhaas, which is part of the town of Carmanhaas.

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- (1) Carmanhaas is a small town in the state of New York.
- (2) Carmanhaas is a small town in the state of New York; Carmanhaas is a small town in the state of New York.
- (3) Carmanhaas is a small town in the state of New York. Carmanhaas is a small town in the state of New York.
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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	76*52*76cm	76*52*76cm	76*52*76cm	76*52*76cm
Cooling system	Air Cooling	Air Cooling	Air Cooling	Air Cooling

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.





■ The Kitchenware Industry



■ The Jewelry Industry



The Car Industry



Other Industry







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 : **Camman 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**

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: Murkikent 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@udemtd.com.tr www.udem.com.tr

Signature
UDem International Certification
Auditing Training Centre Industry
and Trade Inc. Co.



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 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>)

ISO 9001

ISO 9001



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