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CARMAN HAAS

लागू सामग्री :

# Applicable Materials

| Material | Fiber Laser | Material | Co2 Laser |
|---|---|---|---|
| Stainless Steel | √ | Wood | √ |
| Aluminum | √ | Acrylic | √ |
| ABS | √ | Fabric | √ |
| Brass | √ | Glass | √ |
| Carbon Fiber | √ | Coated Metals | √ |
| Carbon Nanotube | √ | Ceramic | √ |
| Cobalt Chrome Steel | √ | Delrin | √ |
| Colored Delrin | √ | Cloth | √ |
| Copper | √ | Leather | √ |
| Diallyl Phthalate | √ | Marble | √ |
| Glass Filled PEEK | √ | Matte Board | √ |
| Glass Filled Telfon | √ | Melamine | √ |
| Magnesium | √ | Paper | √ |
| Metal Plated Ceramics | √ | Mylar | √ |
| Molybdenum | √ | Pressboard | √ |
| Mild Steel | √ | Rubber | √ |
| Nylon | √ | Wood Veneer | √ |
| Polybutylene Terephthalate | √ | Fiberglass | √ |
| Polysulphone | √ | Painted Metals | √ |
| PET | √ | Tile | √ |
| Santoprene | √ | Plastic | √ |
| Silicon Carbide | √ | Cork | √ |
| Silicon Steel | √ | Corian | √ |
| Silicon Wafers | √ | Anodized Aluminum | √ |

## Technical Parameters:

| P/N | LMCH-20 | LMCH-30 | LMCH-40 | LMCH-60 |
|---|---|---|---|---|
| Laser Output Power | 20W | 30W | 40W | 60W |
| Wavelength | 10.6um/9.3um | 10.6um/9.3um | 10.6um/9.3um | 10.6um |
| Beam Quality | ≤1.2 | ≤1.2 | ≤1.2 | ≤1.2 |
| Marking Area | 50x50~300x300mm | 50x50~300x300mm | 50x50~300x300mm | 50x50~300x300mm |
| Marking Speed | ≤7000mm/s | ≤7000mm/s | ≤7000mm/s | ≤7000mm/s |
| Minimum line width | 0.1mm | 0.1mm | 0.1mm | 0.1mm |
| Minimum character | 0.2mm | 0.2mm | 0.2mm | 0.2mm |
| Repeat accuracy | ±0.003mm | ±0.003mm | ±0.003mm | ±0.003mm |
| Electricity | 220± 10%, 50/60Hz , 5A | 220± 10%, 50/60Hz , 5A | 220± 10%, 50/60Hz , 5A | 220± 10%, 50/60Hz , 5A |
| Machine Size | 750mmx600mmx1400mm | 750mmx600mmx1400mm | 750mmx600mmx1400mm | 750mmx600mmx1400mm |
| Cooling system | Air Cooling | Air Cooling | Air Cooling | Air Cooling |

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SIHAILONG
EXP 091212
LOT 3421344333
C/P 340093000122

## फ़ैक्टरी

## प्रमाणपत्र और प्रदर्शनी


慕尼黑上海光博会
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LASER PHOTONICS Messe München
LASER PHOTONICS INDIA
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CARMAN HAAS LASER 1-121
CARMAN HAAS Laser Technology (Suzhou) Co., Ltd.
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RAYLOGIC
YAROV
INTERNATIONAL PAVILION
CARMAN HAAS LASER L-46
CARMAN HAAS LASER TECHNOLOGY CO., LTD.

# CERTIFICATE

## ATIESTATION
## 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 | : **Carman 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**<br>**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)

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**Phone:** +90 0312 443 03 90 **Fax:** +90 0312 443 03 76
**E-mail:** info@udemltd.com.tr www.udem.com.tr

ISO 9001

# *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)

SCC Accredited CB-MS OCSM Accrédité CCN Accredited CB-MS (Certification Body – Management Systems)

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

Beijing Zhongliantianrun Certification Center ISSUED BY

**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)

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