



Product Information

Product Name:

Product Description: This product is designed for use in laboratory settings (see [Product Information](#) for details). It is suitable for measuring the impact force (F_{θ}) and is compatible with various sensors and data acquisition systems. The product is designed to provide accurate and reliable measurements of impact force.

Carmanhaas is a leading manufacturer of high-precision sensors and measurement systems. Our products are designed for use in a wide range of applications, including research, development, and production. We offer a comprehensive range of sensors, including accelerometers, displacement sensors, and force sensors. Our sensors are designed to provide accurate and reliable measurements of various physical quantities. We also offer a range of data acquisition systems and software solutions to help you maximize the performance of your sensors.

Key Features:

- (1) The height of the spot is consistent; $h < \lambda/5$, the assembly scheme of the objective lens is required to ensure the height of the spot is consistent;
- (2) The measurement accuracy is > 95%;
- (3) The measurement error is < 0.5mm;
- (4) The measurement range is > 1.05m



1064nm 1030-1090nm 1030-1090nm 1030-1090nm 1030-1090nm 1030-1090nm 1030-1090nm 1030-1090nm 1030-1090nm 1030-1090nm

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1064nm 1030-1090nm	1030-1090nm (1030-1090nm)	1030-1090nm (1030-1090nm)	1030-1090nm (1030-1090nm)	1030-1090nm (1030-1090nm)	1030-1090nm
SL-1064-140-200	200	140x140	14	208	M85x1
SL-1064-185-255- (16CA)	255	185x185	16	274	M85x1

1064nm 1030-1090nm Expander

Part Description	Expansion Ratio	Input CA (mm)	Output CA (mm)	Housing Dia (mm)	Housing Length (mm)	Mounting Thread
BE-1064-D23:40.5-1.5x	1.5X	10	20.7	27	40.5	M22*0.75
BE4-(1030-1090)-D35:163.9-Z14x	1X-4X	20	35	44	163.9	/
BE4-(1030-1090)-D34:162.6-Z210x	2X-10X	14	34	40	162.6	/

1064nm 1030-1090nm

1030-1090nm (1030-1090nm)	1030-1090nm (1030-1090nm)	1030-1090nm
25.4	6.35	1030-1090nm @ 1030-1090nm, 45 ° AOI
30	5	1030-1090nm @ 1030-1090nm, 45 ° AOI
50	10	1030-1090nm @ 1030-1090nm, 45 ° AOI





Factory







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TRIOPTICS





PerkinElmer Lambda 950---Testing Transmission and Reflectivity







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**

U. Bayraktar
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 70
E-mail: info@udemtd.com.tr 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:91320594M1MF4EP56
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 List



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