

Carmanhaas [**Focusing lens for fiber cutting head**](#) are used in various types of fiber laser cutting head, transmitting and focusing the beam output from the fiber to achieve the purpose of cutting the sheet.

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- (1)Imported ultra low absorption quartz material
- (2)Surface accuracy: $\lambda/5$
- (3)Power usage: Up to 15000W
- (4)Ultra-low absorption coating, absorption rate <20ppm, long life time
- (5)Aspherical surface finish accuracy up to 0.2 μ m

[**1064nm focus lens on sale**](#)



**Collimating Lens for
Fiber Cutting Head
D30 F100mm**



**Focusing Lens for
Fiber Cutting Head
D30 F125mm**



Cutting Head full optical parts



Manufacturing Capabilities:

球面透镜 规格	
Substrate Material	熔融石英 抛光
Dimensional Tolerance	+0.000"-0.005"
Thickness Tolerance	±0.005"
Sphere Power	3 fringes
Sphere Irregularity	1 fringe
表面粗糙度	10-5
Clear Aperture (polished)	≥90 %
Effective Focal Length (EFL) Tolerance	< 1.0%

Coating Capabilities:

球面透镜 规格	
Standard Both Sides AR coating @1070nm	
Total absorption	< 30PPM
透射率	>99.9%
Ultra Low-absorbing AR/AR coating @1070nm	
Total absorption	< 10PPM
透射率	>99.9%

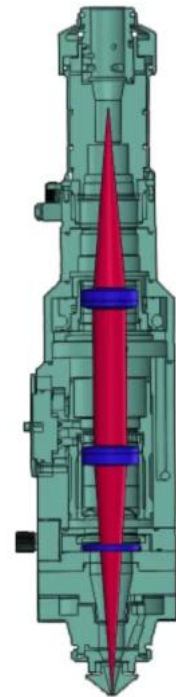
Fused Silica Collimating Lens:

Diameter (mm)	Focal Length (mm)	镀膜
25.4	75	AR/AR @ 1030-1090nm
25.4	100	AR/AR @ 1030-1090nm
28	75	AR/AR @ 1030-1090nm
28	100	AR/AR @ 1030-1090nm
30	75	AR/AR @ 1030-1090nm
30	100	AR/AR @ 1030-1090nm
37	100	AR/AR @ 1030-1090nm

Fused Silica Focusing Lens:

Diameter (mm)	Focal Length (mm)	镀膜
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25.4	125	AR/AR @ 1030-1090nm
28	125	AR/AR @ 1030-1090nm
30	125	AR/AR @ 1030-1090nm
30	150	AR/AR @ 1030-1090nm
30	200	AR/AR @ 1030-1090nm
37	150	AR/AR @ 1030-1090nm
37	200	AR/AR @ 1030-1090nm
38.1	200	AR/AR @ 1030-1090nm



光纤切割头光路示意图
Figure of Fiber Cutting Head









重要仪器,
非专业人士勿动。

OptiCentric 300

TRIOPTICS





PerkinElmer Lambda 950---Testing Transmission and Reflectivity



Certificate&Exhibition



CERTIFICATE

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. Saygılı
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-mentioned 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 notified in case of any changes on the product(s).
Address: Mithakerezi Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TÜRKİYE
Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 76
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: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>)

ISO 9001

ISO 9001



Beijing ZhongLiantianrun Certification Center

Room2003, 22nd Floor, 2nd Unit, Block 1, No.4 Yard, Qiyang Road, Chaoyang District, Beijing, P.R. China 100022

Information of the 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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Packaging & Shipping

Packaging 1



Packaging 2



Packaging 3



Shipping 4





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