

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 $\mu$ 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**



The image displays a variety of precision optical parts. On the left, there is a small, circular copper-colored component with a central hole. Next to it is a larger, cylindrical metal housing with a threaded base and a clear lens. In the center, there are several circular optical elements: a thin, clear lens, a thicker lens with a purple coating, and a lens with a blue coating. To the right of these are two more lenses, one with a blue coating and one with a yellow coating. Further right is a larger, cylindrical metal housing with a threaded base and a clear lens. In the foreground, there is a small, conical copper-colored component with a flared base.

**Manufacturing Capabilities:**

| Fused Silica Collimating Lens          |                |
|--|----------------|
| Substrate Material                     | Fused Silica   |
| Dimensional Tolerance                  | +0.000"-0.005" |
| Thickness Tolerance                    | ±0.005"        |
| Sphere Power                           | 3 fringes      |
| Sphere Irregularity                    | 1 fringe       |
| Surface Irregularity                   | 10-5           |
| Clear Aperture (polished)              | ≥90 %          |
| Effective Focal Length (EFL) Tolerance | < 1.0%         |

**Coating Capabilities:**

| Fused Silica Collimating Lens             |         |
|---|---------|
| Standard Both Sides AR coating @1070nm    |         |
| Total absorption                          | < 30PPM |
| Transmittance                             | >99.9%  |
| Ultra Low-absorbing AR/AR coating @1070nm |         |
| Total absorption                          | < 10PPM |
| Transmittance                             | >99.9%  |

**Fused Silica Collimating Lens:**

| Diameter (mm) | Focal Length (mm) | Coating             |
|---------------|-------------------|---------------------|
| 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) | Coating |
|---------------|-------------------|---------|
|---------------|-------------------|---------|

|      |     |                     |
|------|-----|---------------------|
| 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 |

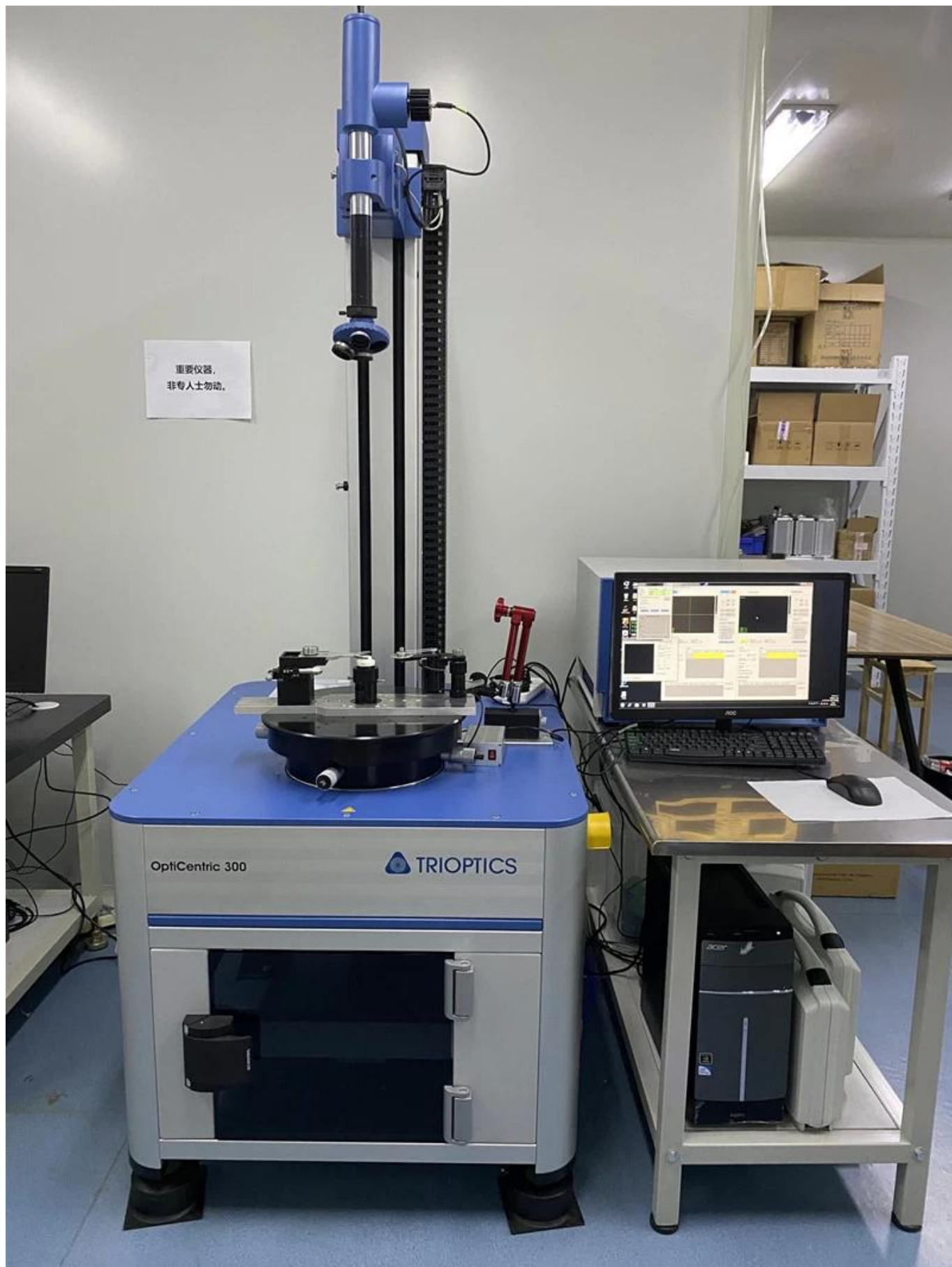




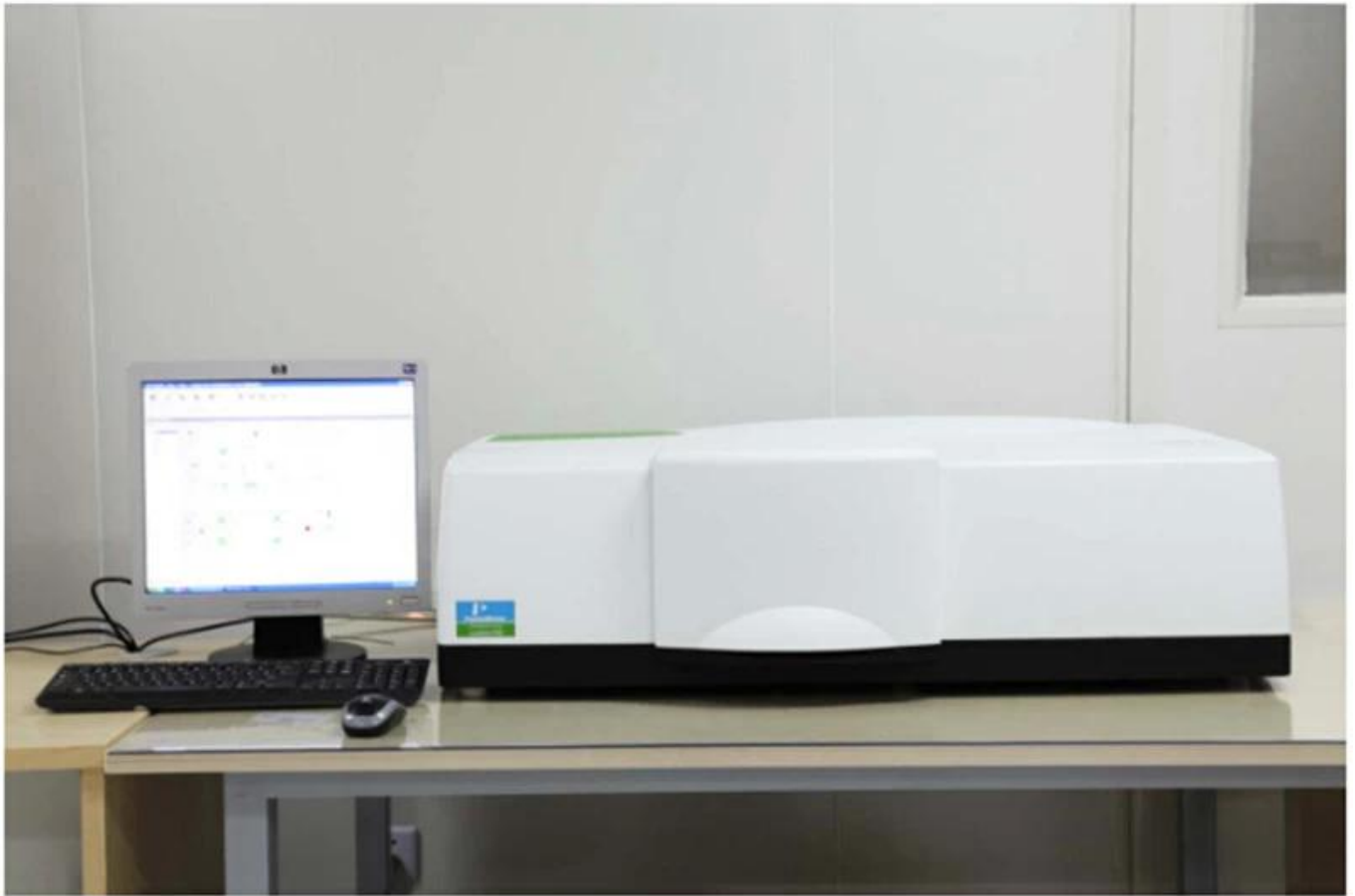












PerkinElmer Lambda 950---Testing Transmission and Reflectivity







# 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**

The validity of the certificate can be checked through [www.udem.com.tr](http://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 10 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: Muratkerem 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](mailto:info@udemtd.com.tr) [www.udemtd.com.tr](http://www.udemtd.com.tr)

UDEM International Certification  
Auditing Training Centre Industry  
and Trade Inc. Co.



## 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 ZhongLianTianRun  
Certification center (<http://www.zltr.com.cn>)



**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 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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## Packaging & Shipping

### Packaging 1



### Packaging 2



### Packaging 3



### Shipping 4





□□□□ □□□□:

Step 4) Return the item for the agreed replacement or refund.

☐ FOB,CNF,CIF ☐ buyer's ☐



A8: You can pay by T/T would be available for qualified bank and MOQ required for each order.