

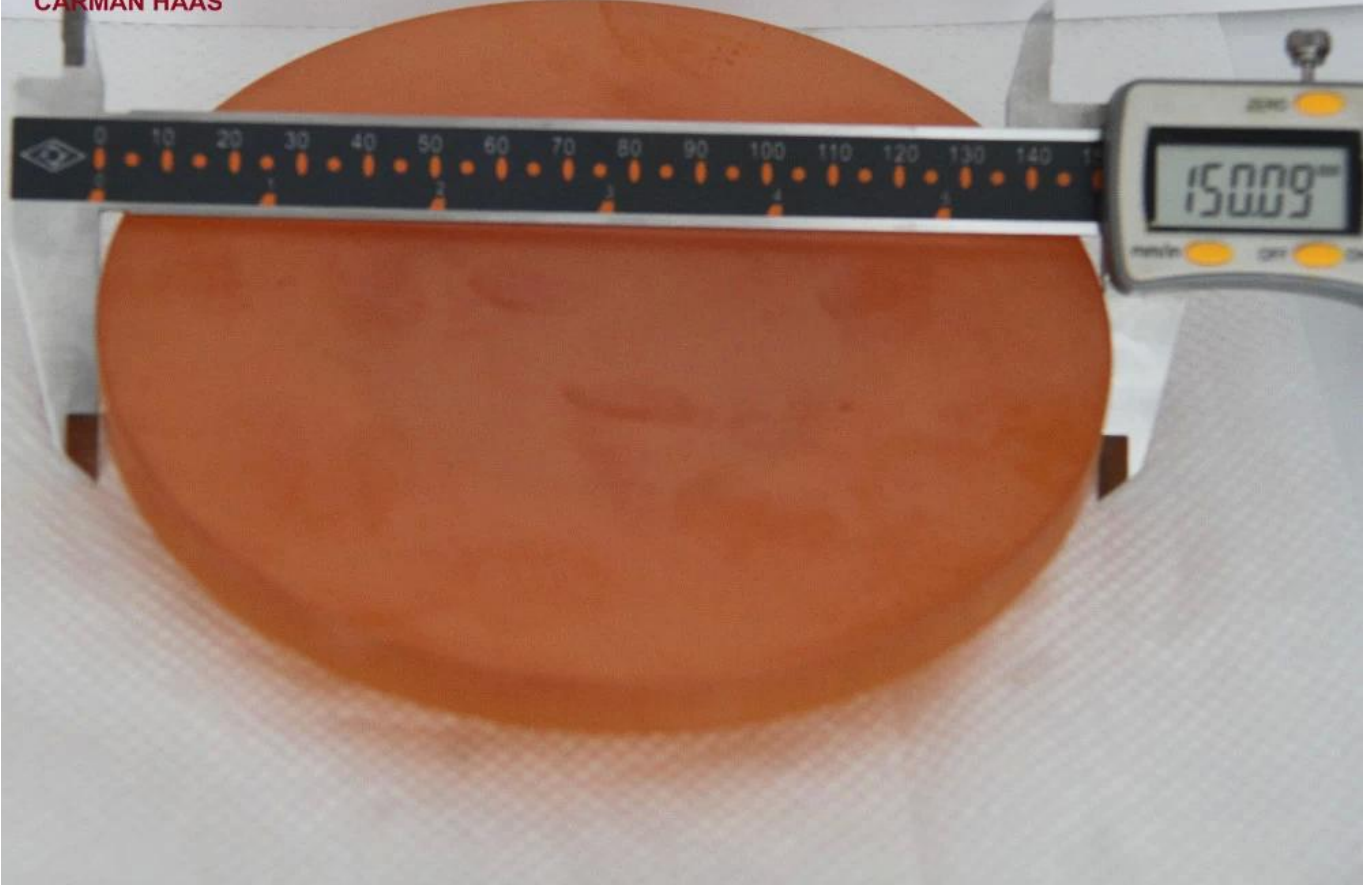


## Product Description

ZnSe 晶體材料具有廣泛的應用，主要用於光學、半導體和激光領域。其優異的光學性能使其成為紫外光學系統的理想材料。此外，ZnSe 晶體還具有優良的電學性能，廣泛用於製造半導體器件和激光器件。在光學領域，ZnSe 晶體常用於製造透鏡、棱鏡、波片等光學元件。在半導體領域，ZnSe 晶體常用於製造紫外光發光二極管 (UV LED) 和紫外光探测器。在激光領域，ZnSe 晶體常用於製造紫外激光器和紫外激光放大器。

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[Znse](#)

**Technical Parameters**

Material	ZnSe
Thickness Tolerance	+ 0.0 mm / -0.1 mm
Flatness Tolerance	± 0.1 mm
Coating: (None)	Minutes 3
Surface Finish (Ra)	0.05 μm 90%
Wave Length @ 0.63um	1 μm, 0.5 μm
Surface Quality	40-20

**ZnSe Polished Windows (Uncoated)**

Thickness (mm)	ET (mm)	Surface Treatment	Material
10	2/4	uncoated	ZnSe Polished, Uncoated
12	2	uncoated	ZnSe Polished, Uncoated

12.7	2.5	uncoated	ZnSe 0.0000 0.0000, 0.000000
13	1/2	uncoated	ZnSe 0.0000 0.0000, 0.000000
15	2/3	uncoated	ZnSe 0.0000 0.0000, 0.000000
18	1	uncoated	ZnSe 0.0000 0.0000, 0.000000
19	2	uncoated	ZnSe 0.0000 0.0000, 0.000000
20	2/3	uncoated	ZnSe 0.0000 0.0000, 0.000000
25	1/2/3	uncoated	ZnSe 0.0000 0.0000, 0.000000
25.4	1/2/3	uncoated	ZnSe 0.0000 0.0000, 0.000000
30	2/4	uncoated	ZnSe 0.0000 0.0000, 0.000000
21	1	uncoated	ZnSe 0.0000 0.0000, 0.000000
38.1	1.5 / 3/4	uncoated	ZnSe 0.0000 0.0000, 0.000000
42	2	uncoated	ZnSe 0.0000 0.0000, 0.000000
50	3	uncoated	ZnSe 0.0000 0.0000, 0.000000
70	3	uncoated	ZnSe 0.0000 0.0000, 0.000000
80	3	uncoated	ZnSe 0.0000 0.0000, 0.000000
90	3	uncoated	ZnSe 0.0000 0.0000, 0.000000
100	3	uncoated	ZnSe 0.0000 0.0000, 0.000000
12Lx12W	1	uncoated	ZnSe 0.0000 0.0000, 0.000000
135Lx102W	3	uncoated	ZnSe 0.0000 0.0000, 0.000000
161Lx110W	3	uncoated	ZnSe 0.0000 0.0000, 0.000000

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## Lens Cleaning

### 1. For light pollution (dust, fiber particles) were flexible cleaning.

Using a blowing balloon, Blow off scattered contaminants on the surface of the optical element.



### 2. For light pollution (stains, fingerprints) were flexible cleaning.

Propanol, acetone glue with a cotton swab or alcohol to gently wipe the surface.



### 3. For moderately polluted (saliva, oil) in moderate-intensity cleaning.

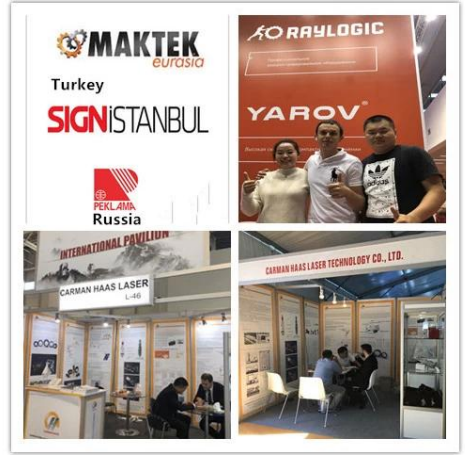
Infiltrating distilled white vinegar with a cotton swab, wipe the surface a little pressure.



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Exhibition&Certifications







# 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 : **Camnan 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**

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



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 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: Mulkikent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TURKEY  
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:91320594MA1MF4EP56  
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>)

ISO 9001

ISO 9001



Beijing Zhongliantianrun Certification Center

Room2603, 22nd Floor, 2nd Unit, Block 1, No.4 Yard, Qiayang 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>)



## Factory Show











重要仪器,  
非专业人士勿动。

OptiCentric 300

TRIOPTICS



PerkinElmer Lambda 950---Testing Transmission and Reflectivity





## Packing List



# Packaging & Shipping

## Packaging 1



## Packaging 2



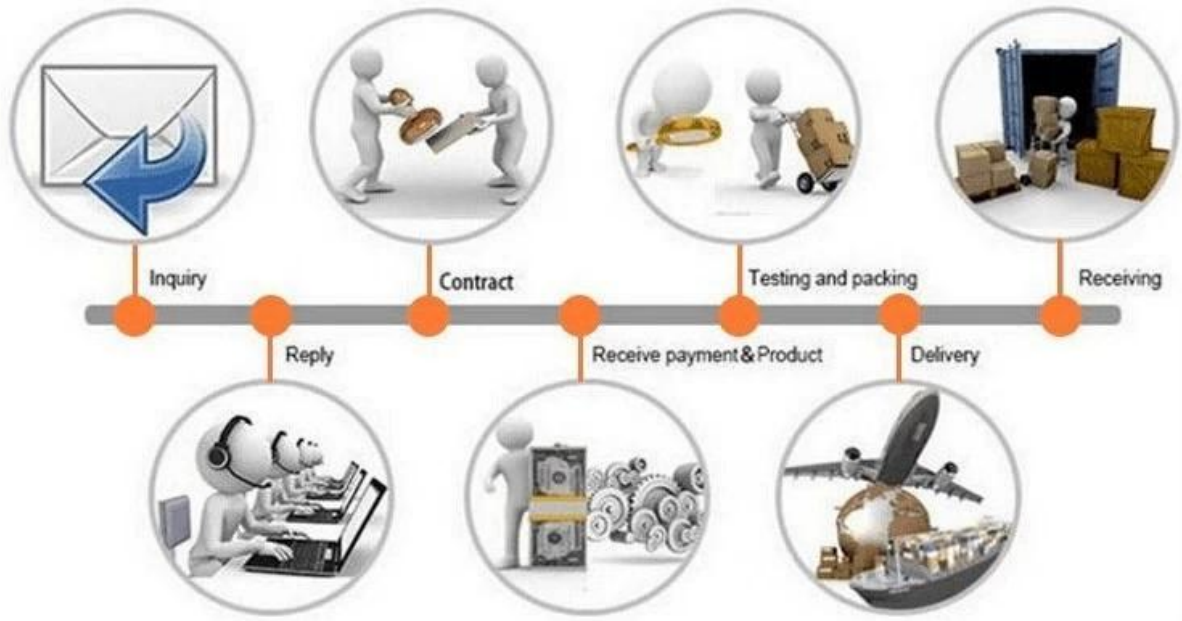
## Packaging 3



## Shipping 4







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