

# Descrizione del prodotto

Window are frequently used in optical systems to separate the environment in one part of the system from another, such as to seal vacuum or high-pressure cells. Because the infrared transmitting material has a high index of refraction, an anti-reflection coating is typically applied to windows to minimize losses due to reflections.

To protect scan lenses from backsplatter and other workplace hazards, Carmanhaas [laser cutting head protective lens window manufacturer](#) offers protective windows, also known as debris windows that are either included as the overall scan lens assembly part, or sold separately. These plano-plano windows are available in both ZnSe and Ge materials and also supplied mounted or unmounted.

Silicon, Germanium, GaAs and Znse are three popular and useful IR materials. Si can be used from 1.2 to 7  $\mu\text{m}$ . It has peak performance in the 3 to 5  $\mu\text{m}$  region. Ge is ideal for thermal imaging application and is popular for its high refraction index at about 4.0 from 2 to 14 $\mu\text{m}$ . Znse is commonly used in thermal resistance applications. Znse has wide usage in high power CO2 laser systems.

Clic [China CO2 Cutting Machine Parts Supplier](#) per saperne di più



## Specifica:

P/N	Diametro		Spessore		Materiale
	mm	pollice	mm	pollice	

W-10.6-12-2	12.	0.47	2.	0.08	Znse
W-10.6-12-3	12.	0.47	3.	0.12	Znse
W-10.6-12.7-2	12.7	0.5	2.	0.08	Znse
W-10.6-12.7-2.5	12.7	0.5	2.5	0.1	Ge
W-10.6-15-2	15.	0.59	2.	0.08	Znse
W-10.6-16-3	15.	0.59	3.	0.12	Znse
W-10.6-15-4	16.	0.63	3.	0.12	Znse/Ge
W-10.6-15.2-3	15.2	0.6	3.	0.12	Znse
BRW-10.6-18-2	18.	0.71	2.	0.08	Ge
W-10.6-18-3	18.	0.71	3.	0.12	Znse
W-10.6-19-2	19.	0.75	2.	0.08	Znse/Ge
W-10.6-19-3	19.	0.75	3.	0.12	Znse
W-10.6-20-2	20.	0.79	2.	0.08	Znse/Ge
BRW-10.6-20-3	20.	0.79	3.	0.12	Ge
W-10.6-23-3	23.	0.91	3.	0.12	Znse/Ge
W-10.6-25-3C	25.	0.98	3.	0.12	Znse/Ge
W-10.6-25-4	25.	0.98	3.	0.12	Chinese Znse
W-10.6-25.4-3	25.4	1.	3.	0.12	Znse
W-10.6-27.9-3	27.9	1.1	3.	0.12	Znse
W-D29.8-T11	29.8	1.17	11.	0.43	Znse/Ge
BRW-10.6-30-3	30.	1.18	3.	0.12	Ge
W-10.6-38.1-3	38.1	1.5	3.	0.12	Znse
W-10.6-38.1-4	38.1	1.5	4.	0.16	Znse
BRW-10.6-38.1-5	38.1	1.5	5.	0.2	Ge
W-10.6-50.8-3	50.8	2.	3.	0.12	Znse
W-10.6-50.8-4	50.8	2.	4.	0.16	Znse
W-10.6-50.8-5	50.8	2.	5.	0.2	Znse
BRW-10.6-63.5-4	63.5	2.5	4.	0.16	Ge

W-10.6-63.5-5	63.5	2.5	5.	0.2	Znse
W-10.6-63.5-6	63.5	2.5	6.	0.24	Znse
W-10.6-63.5-6	63.5	2.5	6.	0.24	Znse
BRW-10.6-63.5-9	63.5	2.5	9	0.35	Ge
W-10.6-75-5	75	2.95	5.	0.2	Znse
W-10.6-75-6	75	2.95	6.	0.24	Znse
W-10.6-75-8	76.2	3.	8.	0.31	Znse/Ge
BRW-10.6-75-9	75	2.95	9	0.35	Ge
W-10.6-80-3C	80	3.15	3.	0.12	Chinese Znse
W-10.6-80-3	80	3.15	3.	0.12	Znse
W-10.6-80-4	80	3.15	4.	0.16	Znse
W-10.6-101-5	101	3.98	5.	0.2	Znse
W-10.6-101-5.5	101	3.98	5.5	0.22	Znse
W-10.6-150-10	150.	5.91	10.	0.39	Znse

**Note:**

**UN.1 inch=25.4mm**

**B.Customization for different sizes.Ge,Silicon, GaAs windows are also available.**

## 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.



## Fabbrica











重要仪器,  
非专业人士勿动。

OptiCentric 300

TRIOPTICS



PerkinElmer Lambda 950---Testing Transmission and Reflectivity





# Certificato e mostra

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# 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**

*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 noticed in case of any changes on the product(s)  
Address: Mulkikent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya - Ankara - TÜRKİYE  
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 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>)



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

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## Lista imballaggio

# Packaging & Shipping

## Packaging 1



## Packaging 2



## Packaging 3



## Shipping 4







## Politica di ritorno:

I rendimenti dovrebbero essere richiesti:

Passaggio 1) Contattaci con questa email del sito web.

Passaggio 2) Fornisci più dettagli possibili sul problema che stai avendo.

Passaggio 3) Autorizzazione per restituire l'articolo verrà emesso.

Passaggio 4) Restituire la voce per la sostituzione o il rimborso concordato.

## La logistica:

(1) Per la consegna dell'ottica laser, può essere opzionale con DHL, UPS, FedEx, TNT, EMS, ETS

(2) Per la consegna dell'ordine della macchina laser, può essere facoltativa con termini di Exwork Fob, CNF, CIF mediante aria o via mare basato sugli spedizionieri del compratore o il nostro.

## FAQ

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Q1. Un produttore?

A1: Sì, siamo produttori professionali ed esperti con i nostri stampi e linee di produzione.

Q2. Come sulla qualità dei prodotti?

A2: I nostri tecnici e i nostri team di controllo qualità testano i prodotti uno per uno utilizzando la linea di invecchiamento, dispositivi professionali e strumenti per garantire la qualità per tutti i prodotti.

Q3. Come sul prezzo?

A3: Siamo un produttore e offriamo sempre ai nostri clienti i prezzi più competitivi.

Q4. Come effettuare un ordine?

A4: contatto con il servizio online, o inviato un'e-mail direttamente a noi, ti risponderemo con il prezzo del prodotto, le specifiche, l'imballaggio ecc. Presto. Grazie.

Q5. Bay I Invio materiale per testare le prestazioni di marcatura?

A5: Sì! Siete invitati a inviare materiale per testare la nostra qualità e servizio di qualità superiore.

Q6. Can Io visito la tua fabbrica?

A6: Sì, benvenuto a visitare la nostra fabbrica al tuo tempo conveniente.

Q7. Come posso fare ordini OEM o ODM?

A7: abbiamo diverse elaborazioni di stampa per diversi ordini OEM / ODM. Vi preghiamo di contattarci con il servizio online o invia direttamente email direttamente.

Q8. Come dovrei pagare per i miei ordini?

A8: è possibile pagare con T / T sarebbe disponibile per Bank qualificato e MOQ richiesto per ogni ordine.