

## Product Information

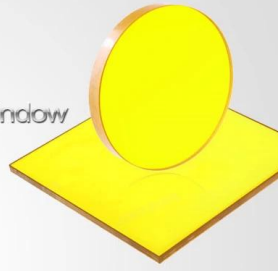
### Product Description:

[Laser focusing lens manufacturer china](#), Carmanhaas Windows 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 backscatter and other workplace hazards, Carmanhaas 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.

## CO<sub>2</sub> Protective Window

High transmittance, USA material  
Long lifetime



**Technical Parameters:**

Specifications	Standards
Dimensional Tolerance	+0.000" / -0.005"
Thickness Tolerance	±0.010"
Parallelism : (Plano)	≤ 3 arc minutes
Clear Aperture (polished)	90% of diameter
Surface Figure @ 0.63um	Power: 1 fringes, Irregularity: 0.5 fringe
Scratch-Dig	20-10

**ZnSe AR-Coated Windows:**

Diameter(mm)	ET(mm)	Coating Type	Wavelength(μm)
19/20	2/3	AR/AR	10.6
25/25.4	3	AR/AR	9.2-9.7
38.1	3	AR/AR	10.6
38.1	4	AR/AR	9.2-9.7
80	3	AR/AR	10.6
90	3	AR/AR	10.6

## 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.**

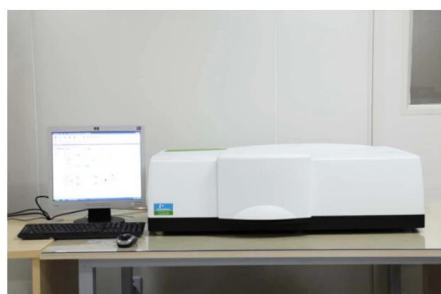
Infiltrating distilled white vinegar with a cotton swab, wipe the surface a little pressure.



Factory



**TRIOPTICS OptiSpheric 2000 AF**  
---Testing EFL、R、Centering Error、Wedge Angle、BFL、MTF



**PerkinElmer Lambda 950**---Testing Transmission and Reflectivity



**Carmanhaas Coating Machine**

## Certificate&Exhibition



## Packing List



## Packaging & Shipping

### Packaging 1



### Packaging 2



### Packaging 3



### Shipping 4





**Return Policy:**



Should returns be required:

Step 1) Contact us with this website email.

Step 2) Provide as much detail as possible about the problem you are having.

Step 3) Authorization to return the item will be issued.

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

### **Logistics:**

(1)For Laser Optics order delivery,can be optional with DHL,UPS,FedEx,TNT,EMS etc

(2)For Laser machine order delivery,can be optional with terms of EXWork,FOB,CNF,CIF By Air or by Sea based on the buyer's forwarders or ours.

## FAQ

Q1.Are you a manufacturer?

A1: Yes, we are professional and experienced manufacturer with our own molds and production lines.

Q2.How about quality of products?

A2: Our technicians and QC teams test the products one by one using aging line, professional devices and instruments to ensure the quality for all products.

Q3.How about price?

A3: We are a manufacturer and always offer our customers the most competitive prices.

Q4.How to place an order?

A4: Contact with online service, or sent email to us directly, we will reply to you with product price, specifications, packing etc. soon. Thank you.

Q5.May I send material to test marking performance?

A5: Yes! You are welcome to send material to test our superior quality and service.

Q6.Can I visit your factory?

A6: Yes, welcome to visit our factory at your convenient time.

Q7.How can I make OEM or ODM orders?

A7: We have different print processing for different OEM/ODM orders. Please contact us with online service or send email to us directly.

Q8. How should I pay for my orders?

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

