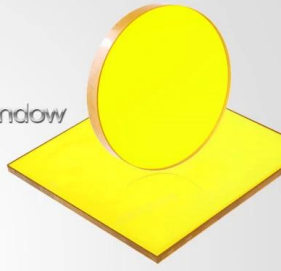


Product Description:

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.

CO₂ Protective Window
High transmittance, USA material
Long lifetime



Technical Parameters:

P/N	Base Material	Dia	Edge Thickness	Coating
ZW-12.7-ET2.5	ZnSe	12.7mm	2.5mm	AR
ZW-25.4-ET3.0	ZnSe	25.4mm	3.0mm	AR
ZW-38.1-ET4.0	ZnSe	38.1mm	4.0mm	AR
ZW-50-ET5.0	ZnSe	50mm	5.0mm	AR
ZW-50.8-ET5.08	ZnSe	50.8mm	5.08mm	AR
ZW-80-ET3.0	ZnSe	80mm	3.0mm	AR
ZW-90-ET3.0	ZnSe	90mm	3.0mm	AR
ZW-100-ET5.0	ZnSe	100mm	5.0mm	AR
ZW-110-ET5.0	ZnSe	110mm	5.0mm	AR
ZW-120-ET10	ZnSe	120mm	10mm	AR
ZW-150-ET12	ZnSe	150mm	12mm	AR
ZW-200-ET12	ZnSe	200mm	12mm	AR
GW-100-ET5.0-DLC	Ge	100mm	5.0mm	DLC
GW-108-ET5.0-DLC	Ge	108mm	5.0mm	DLC
GW-115-ET5.0-DLC	Ge	115mm	5.0mm	DLC
GW-118-ET5.0-DLC	Ge	118mm	5.0mm	DLC
GW-120-ET5.0-DLC	Ge	120mm	5.0mm	DLC

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.



Packaging & Shipping

Packaging 1



Packaging 2

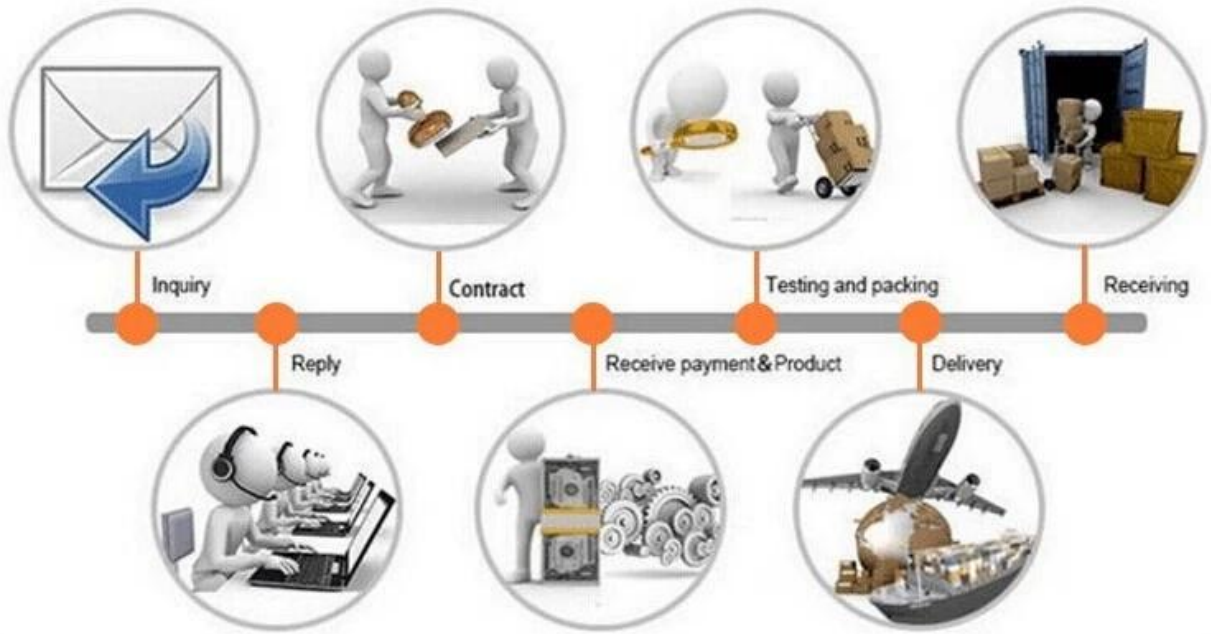


Packaging 3



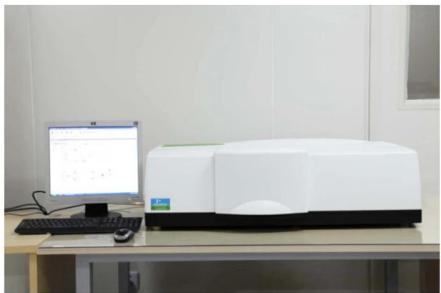
Shipping 4







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



PerkinElmer Lambda 950---Testing Transmission and Reflectivity



Carmanhaas Coating Machine

