

## Product Information

### Product Description:

**Variable Zoom Laser beam expanders supplier** There are 2 types of beam expander: fixed and adjustable beam expanders. For the fixed beam expanders, the spacing between the two lenses inside the beam expander is fixed, but the spacing between the two lenses inside the adjustable beam expanders is adjustable.

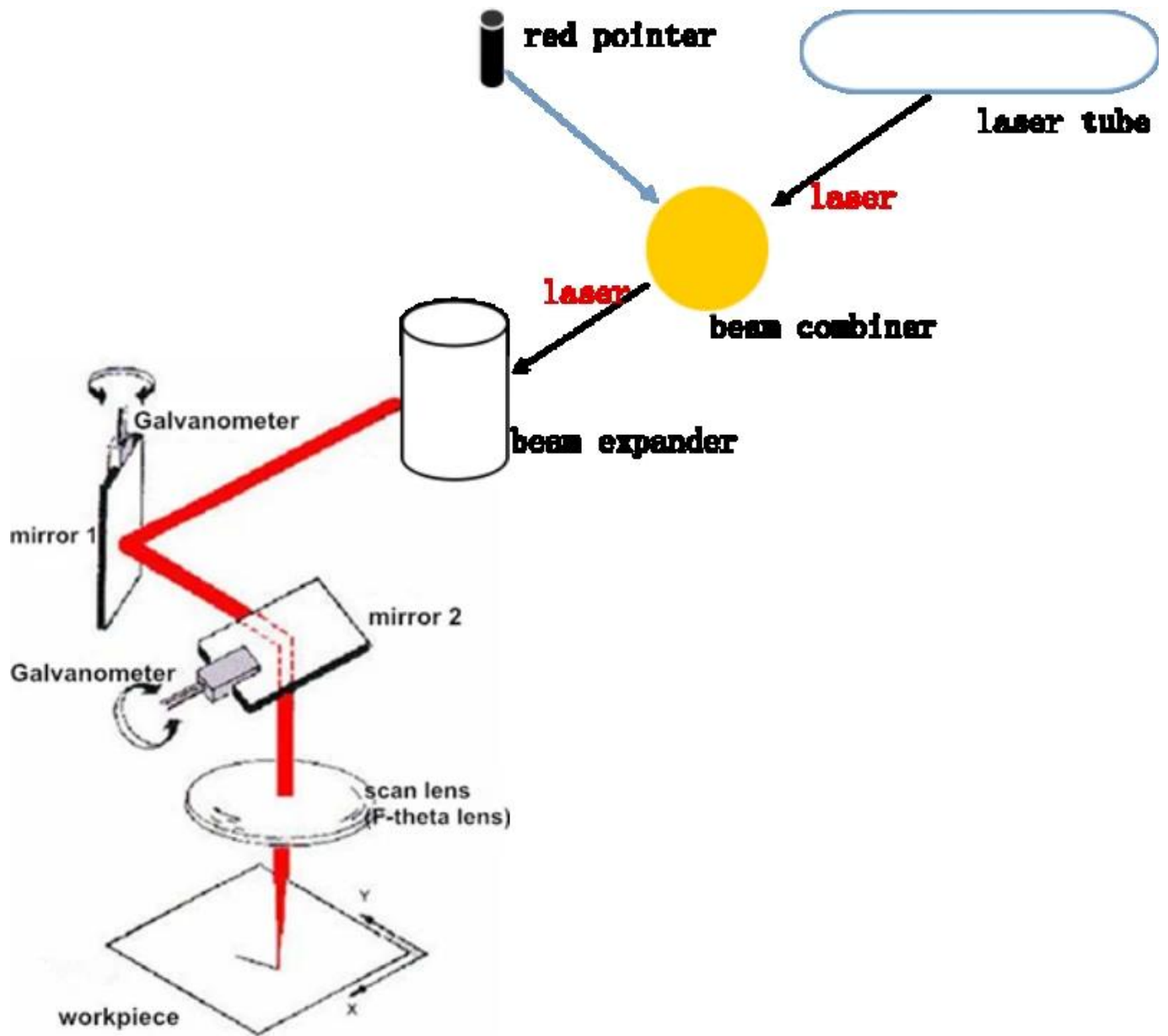
The lens material is ZeSe, which allows the red light to go through the beam expander.

Carmanhaas could offer 3 types of beam expanders: Fixed Beam Expanders, Zoom Beam Expanders and Adjustable divergence angle beam expanders at various wavelengths of 355nm, 532nm, 1030-1090nm, 9.3um, 10.6um.

Other wavelengths and custom-designed beam expanders are available upon request. For more information, please feel free to contact us.







### Technical Parameters:

Part number Description: BE-XXX-DYY : ZZZ-BB-A

BE ----- Beam Expanders

XXX -----Laser wavelength: 10.6 means 10.6um, 10600nm, CO2

DYY : ZZZ -----Beam Expander Output CA : Housing Length

BB -----Expansion ratio (magnification) in times

A -----type: A means Adjustable divergence angle beam expanders;

none means fixed beam expander.

### CO2 Beam Expanders (9.2-9.7um)

Part Description	Expansion Ratio	Input CA (mm)	Output CA (mm)	Housing Dia(mm)	Housing Length (mm)	Mounting Thread
BE-(9.2-9.7)-D20:61.7-2.5x	2.5X	12.7	20	25	61.7	M22*0.75
BE-(9.2-9.7)-D20:67.5-3x	3X	12.7	20	25	67.5	M22*0.75
BE-(9.2-9.7)-D30:69.3-4X	4X	12.7	20	25	69.3	M22*0.75
BE-(9.2-9.7)-D37:74.5-5X	5X	12.7	37	43	74.5	M22*0.75
BE-(9.2-9.7)-D35:74-8x	8X	12.7	35	32	74.0	M22*0.75

### CO2 Beam Expanders (10.6um)

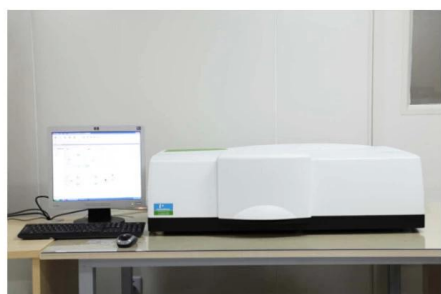
Part Description	Expansion Ratio	Input CA (mm)	Output CA (mm)	Housing Dia(mm)	Housing Length (mm)	Mounting Thread
BE-10.6-D22:35.7-1.5x-A	1.5X	15.0	22	27	35.7	M22*0.75
BE-10.6-D17:46.5-2x	2X	12.7	17	25	46.5	M22*0.75
BE-10.6-D17:43.3-2x-A	2X	12.7	17	23	43.3	M22*0.75
BE-10.6-D20:59.7-2.5x	2.5X	12.7	20	25	59.7	M22*0.75
BE-10.6-D20:61.1-2.5x-A	2.5X	12.7	20	24	61.1	M22*0.75
BE-10.6-D17:64.5-3x	3X	12.7	17	25	64.5	M22*0.75
BE-10.6-D17:62.9-3x-A	3X	12.7	17	24	62.9	M22*0.75
BE-10.6-D32:53-3.5x	3.5X	12.0	32	36	53.0	M22*0.75
BE-10.6-D17:70.5-4x	4X	12.7	17	25	70.5	M22*0.75
BE-10.6-D17:68.4-4x-A	4X	12.7	17	24	68.4	M22*0.75
BE-10.6-D20:72-5x	5X	12.7	20	25	72.0	M22*0.75
BE-10.6-D20:73-5x-A	5X	12.7	20	24	73.0	M22*0.75
BE-10.6-D27:75.8-6x	6x	12.7	27	32	75.8	M22*0.75
BE-10.6-D27:75-6x-A	6x	12.7	27	31	75.0	M22*0.75
BE-10.6-D27:71-8x	8X	12.7	27	32	71.0	M22*0.75
BE-10.6-D27:73.1-8x-A	8X	12.7	27	31	73.1	M22*0.75

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





**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:**

For Laser Optics Order, ship by DHL, UPS, FedEx, TNT, EMS etc

For Laser Machine Order, can be optional with terms of EXW, FOB, CNF, CIF by Air or by Sea based on the buyer's forwarder 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.

