Product Information

Product Description:

(**cutting lens factory**) Carmanhaas Fiber cutting optical components are used in various types of fiber laser cutting head, transmitting and focusing the beam output from the fiber to achieve the purpose of cutting the sheet.

Product Features:

(1)Imported ultra low absorption quartz material
(2)Surface accuracy: λ/5
(3)Power usage: Up to 15000W
(4)Ultra-low absorption coating, absorption rate <20ppm, long life time
(5)Aspherical surface finish accuracy up to 0.2μm

Collimating Lens for
Fiber Cutting Head
D30 F100mm

Focusing Lens for
Fiber Cutting Head
D30 F125mm

Cutting Head full optical parts

Focusing lenses supplier

Manufacturing Capabilities:

Specifications	
Substrate Material	Fused Silica
Dimensional Tolerance	+0.000”-0.005”
Thickness Tolerance	±0.01”
Sphere Power	3 fringes
Sphere Irregularity	1 fringe
Surface Quality	10-5
Clear Aperture (polished)	≥90 %
Effective Focal Length (EFL) Tolerance	< 1.0%

Coating Capabilities:

Specifications	
Standard Both Sides AR coating @1070nm	
Total absorption	< 30PPM
Transmittance	>99.9%
Ultra Low-absorbing AR/AR coating @1070nm	
Total absorption	< 10PPM
Transmittance	>99.9%

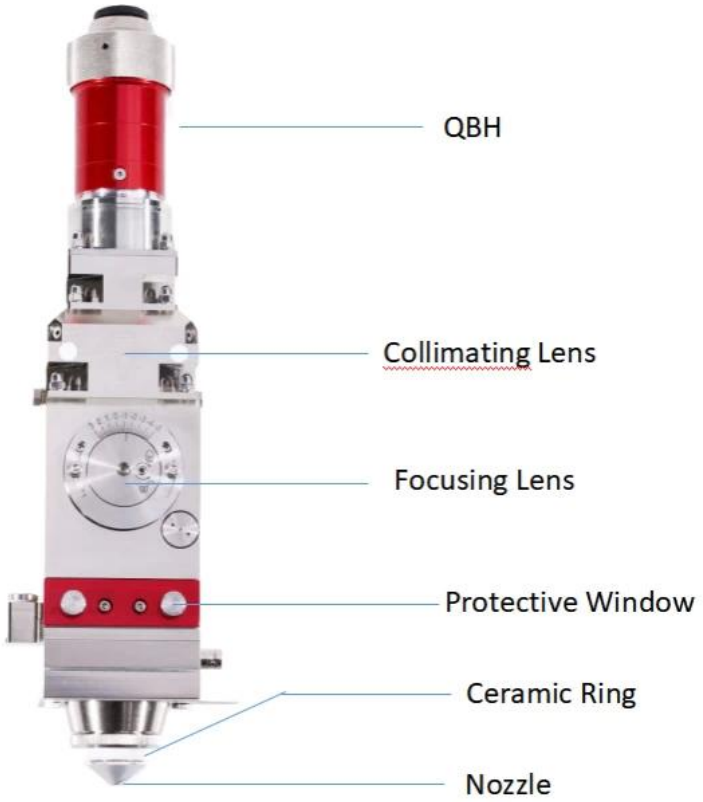
Fused Silica Collimating Lens:

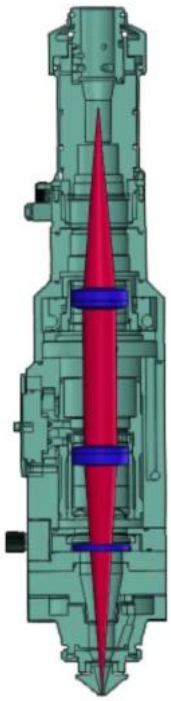
Diameter(mm)	Focal Length(mm)	Coating

25.4	75	AR/AR @ 1030-1090nm
25.4	100	AR/AR @ 1030-1090nm
28	75	AR/AR @ 1030-1090nm
28	100	AR/AR @ 1030-1090nm
30	75	AR/AR @ 1030-1090nm
30	100	AR/AR @ 1030-1090nm
37	100	AR/AR @ 1030-1090nm

Fused Silica Collimating Lens:

Diameter(mm)	Focal Length(mm)	Coating
25.4	125	AR/AR @ 1030-1090nm
28	125	AR/AR @ 1030-1090nm
30	125	AR/AR @ 1030-1090nm
30	150	AR/AR @ 1030-1090nm
30	200	AR/AR @ 1030-1090nm
37	150	AR/AR @ 1030-1090nm
37	200	AR/AR @ 1030-1090nm
38.1	300	AR/AR @ 1030-1090nm



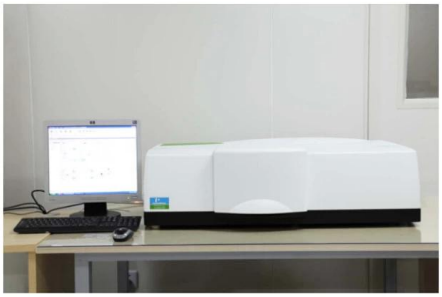


光纤切割头光路示意图
Figure of Fiber Cutting Head

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

DHL EXPRESS

TNT

EMS

FedEx Federal Express

SF EXPRESS 顺丰速运

ups

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.