

### Product Description:

Carmanhaas Mirrors or total reflectors are used in laser cavities as rear reflectors and fold mirrors, and externally as beam benders in beam delivery systems.

Silicon is the most commonly used mirror substrate; its advantage are low cost, good durability, and thermal stability.

Molybdenum mirror extremely tough surface makes it ideal for the most demanding physical environments. Mo mirror is normally offered uncoated.

### Silicon Reflector:

P/N	Substrate	Diameter (mm)	Edge Thickness (mm)	Coating
MS-1930-EG	Si	19.0	3.0	PO/EG
MS-2030-EG	Si	20.0	3.0	PO/EG
MS-2015-EG	Si	20.0	1.5	PO/EG
MS-2530-EG	Si	25.0	3.0	PO/EG
MS-3030-EG	Si	30.0	3.0	PO/EG
MS-3840-EG	Si	38.1	4.0	PO/EG
MS-2530-EM	Si	25.0	3.0	PO/EM
MS-3030-EM	Si	30.0	3.0	PO/EM
MS-3840-EM	Si	38.1	4.0	PO/EM
MM-2030-UN	Mo	20.0	3.0	Uncoated
MM-2530-UN	Mo	25.0	3.0	Uncoated
MM-3030-UN	Mo	30.0	3.0	Uncoated
MM-3850-UN	Mo	38.1	5.0	Uncoated
MM-4030-UN	Mo	40.0	3.0	Uncoated
MM-5050-UN	Mo	50.8	5.0	Uncoated
★The above are about standard products,they can also be custom made.				

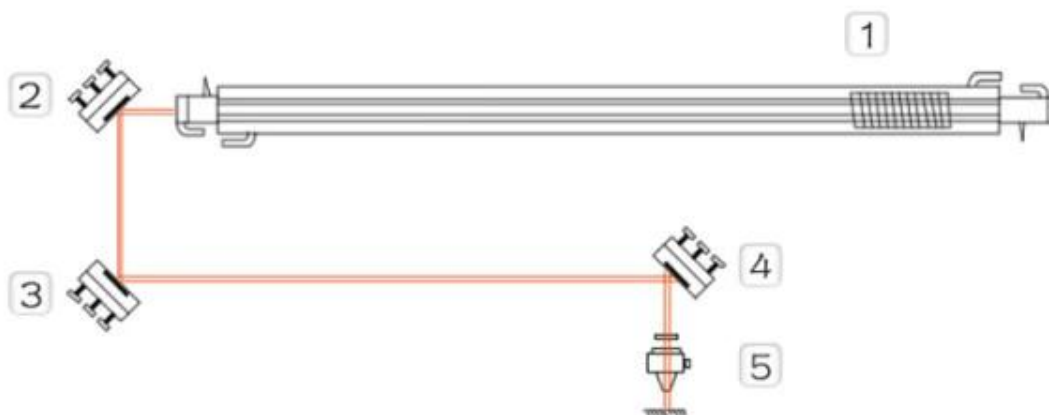


### Advantage

- High purity, low absorption material (body absorption less than  $0.0005/\text{cm}^{-1}$ )
- High damage threshold coating ( $>8000\text{W}/\text{cm}^2$ )
- Lens focusing reaches diffraction limit

### Laser light path schematic

① Laser tube ② First mirror ③ Second mirror ④ Third mirror ⑤ Focus lens



## Packaging & Shipping

### Packaging 1



### Packaging 2



### Packaging 3



### Shipping 4

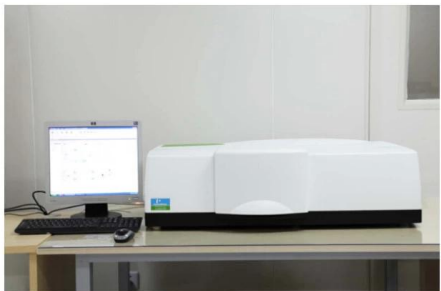








**TRIOPTICS OptiSpheric 2000 AF**  
 ---Testing EFL、R、Centering Error、Wedge Angle、BFL、MTF



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



**Carmanhaas Coating Machine**

