

# Hot Mirror HM-VS-950 Commercial

## Glass Fabrication



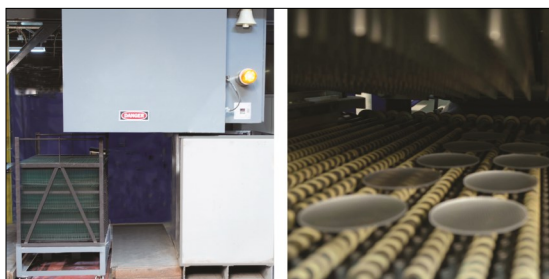
## Coating Deposition



## CNC Machining



## Strengthening - Chemical & Heat



## Screen Printing of Graphics



Abrisa Technologies, a member of HEF Photonics, is a globally recognized technology glass fabrication and optical thin film coating company with expertise in high volume manufacturing and engineering capabilities, delivering Total Solutions that provide excellent performance, fitness-for-use and economies of scale.

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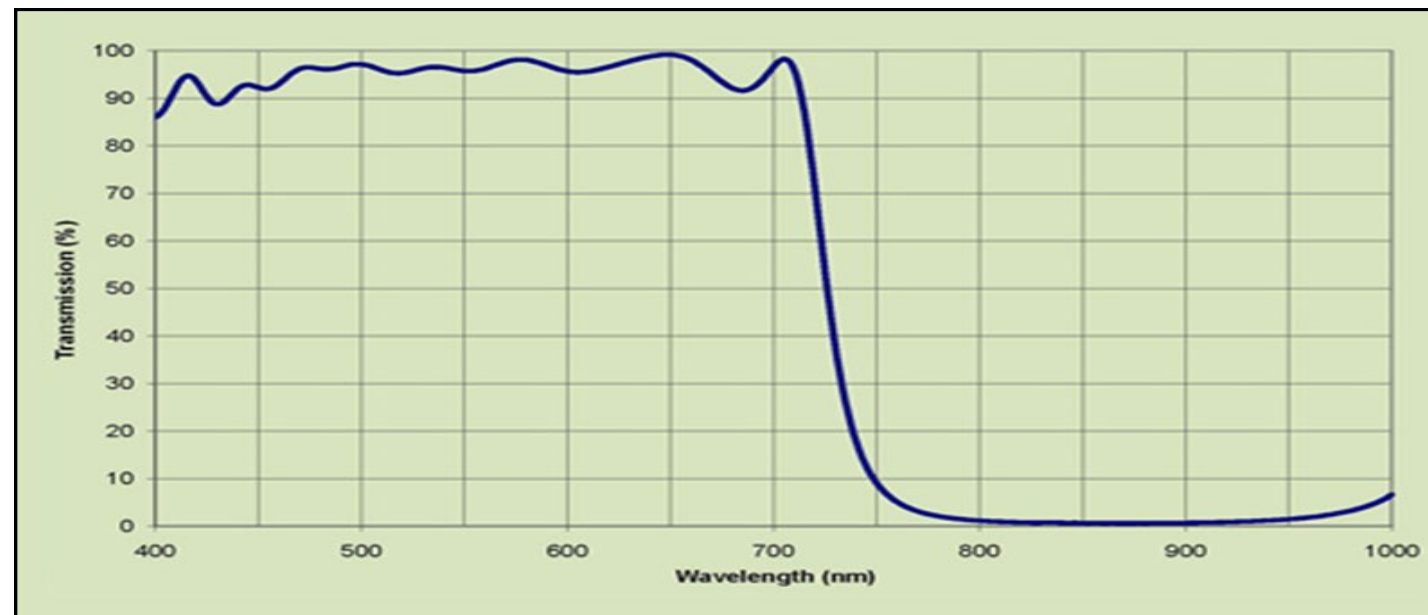
Hot mirror filters transmit the visible spectrum and reflect the infrared at normal incidence. The average transmittance is specified to be more than 93% from 425 to 675nm and average reflectance is more than 95% from 750 to 950nm. Custom angles of incidence can be designed to specification.

## HM-VS-950 Commercial Hot Mirror:

Most light sources produce more heat (infrared energy) than light. By placing a hot mirror in the beam path the infrared (heat) energy can be reflected away and the visible energy transmitted. Unlike heat absorbing glasses which are susceptible to breaking, the size limitation, and low visible transmission; the HM-VS-950, formally known as #103 Hot Mirror, is of an all dielectric multilayer construction, has higher transmission, reflects the IR energy and is available in size up to 24" in diameter. Should your application require enhancement of UV blocking or extended IR reflection, see HM-VS-1500 Hot Mirror. If color balance is of concern see HM-VS-1150 Color Neutral Hot Mirror.

## Specifications:

- Substrate: SCHOTT Borofloat®
- Thickness: 3.3mm & 1.75mm
- Size: Up to 24" in Diameter
- Visible Transmission: 92% Ave. (425nm - 1100nm)
- IR Reflection: 95% Ave. (750nm - 1100nm)



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