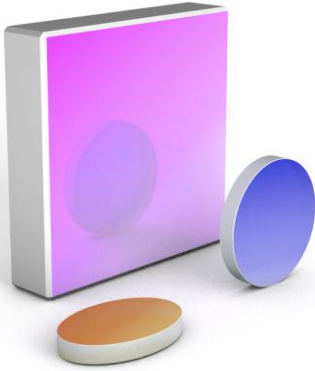


# Optical Mirrors



- Substrate material from DUV to IR
- Custom dimensions and shapes
- Diameter from 0.5 to 500 mm
- Clear aperture: Central 90% of diameter
- Flatness:  $\lambda/10@632.8\text{nm}$
- Surface quality: 10-5 S/D
- Parallelism:  $<3'$
- Partial and high reflectivity optical mirrors are available upon custom request
- High laser damage threshold

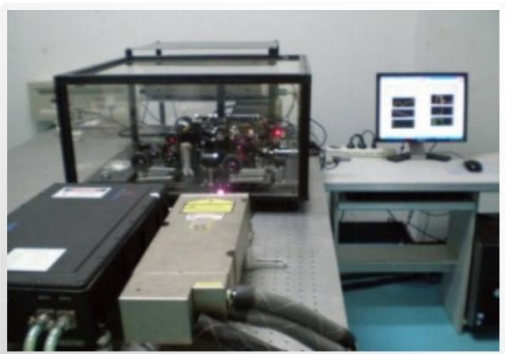
CASTECH offers a large comprehensive selection of optical mirrors for use with light in DUV to IR spectral region, ranging from laser line mirrors, board-band dielectric/metallic mirrors to ultrafast laser mirrors to provide ideal solutions for specialized applications especially at high laser power.

## Featured Products

- Narrow Band Laser Line Mirrors
- Board-Band Dielectric/Metallic Mirrors
- Ultrafast Laser Mirrors (page 17&18)
- High Reflectivity Mirrors (page 19)
- High Laser Damage Threshold Mirrors (page 22)

## Metrology

CASTECH employs a wide variety of metrology equipment to guarantee high reflectivity, including Cavity-Ring-Down Lossmeter, Agilent Cary-7000, Agilent Cary-6000i, Perkin Elmer Lambda-950 and Spectrum 100FTIR. Every coating batch is tested to promise high-performance reflectivity values. Surface absorption measurement by PCI is available as requested.



Bulk and surface absorption measurement by PCI  
(355nm,532nm,1064nm)



Agilent Cary-7000 (2sets) for reflectivity  
measurement ranging from 175-3300nm

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