

# OPCO

OPTICAL SOLUTIONS

## PRECISION OPTICAL MIRRORS

OPCO's vertically integrated manufacturing facility can take your custom precision mirrors and produce flat and spherical, coated parts quickly to keep your development on track.

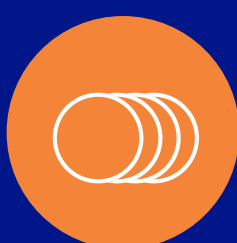
### OUR PRECISION MIRROR MANUFACTURING CAPABILITIES



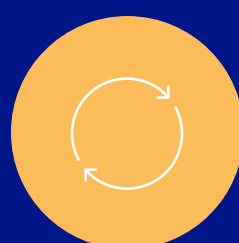
CUSTOMIZED  
SPHERICAL AND  
FLAT MIRRORS



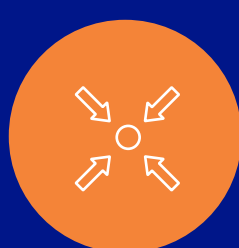
COST SAVING  
REPLICATED  
MIRROR SURFACES



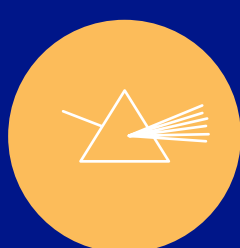
REPLICATED FLAT,  
SPHERICAL AND  
ASPHERES



REPLICATED  
CONVENTIONAL AND  
NONCONVENTIONAL FORMS



CENTER BORES  
ON PRIMARY  
MIRRORS



DEEP UV  
TO MID-IR

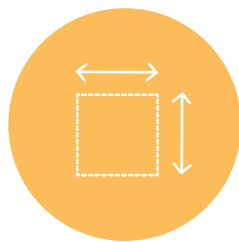


MODIFICATION TO  
CUSTOMER SUPPLIED  
MATERIALS/CATALOG  
ITEMS

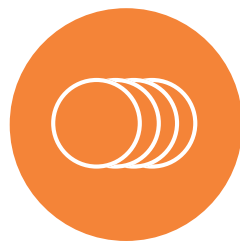


VERTICALLY  
INTEGRATED  
IN-HOUSE  
MANUFACTURING

### TYPICAL MIRRORS MANUFACTURED BY OPCO INCLUDE:



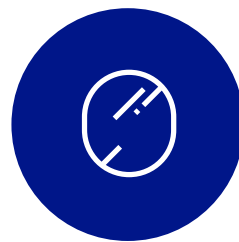
UP TO 300MM  
DIMENSIONS



REPLICATED  
TOROIDS  
FOR ARRAY  
SPECTROMETERS



ORIGINAL AND  
REPLICATED  
MIRRORS



FIRST AND  
SECOND-SURFACE  
MIRRORS

### MATERIALS USED IN PRECISION MIRROR MANUFACTURING

OPCO Laboratory, Inc. uses a wide range of top quality materials in manufacturing precision optical mirrors. Our material options include:



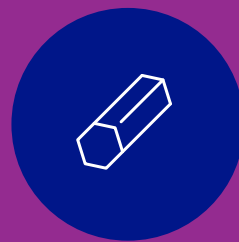
METAL ALLOYS  
& COMPOSITES



GLASS  
SUBSTRATES



LOW-EXPANSION  
GLASSES



CERAMICS

### COMMON PRECISION MIRROR APPLICATIONS



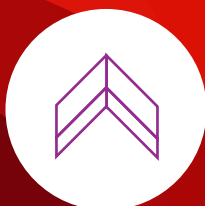
SPECTROMETER  
COLLIMATING & FOCUSING



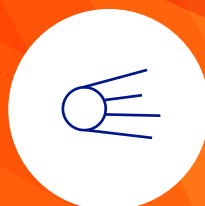
LASER SCANNERS  
& BEAM STEERING



PRIMARY & SECONDARY  
TELESCOPE MIRRORS



FOLD MIRRORS



INTERFEROMETRY

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[WWW.OPCOLAB.COM](http://WWW.OPCOLAB.COM)