



OPTICS LABORATORY

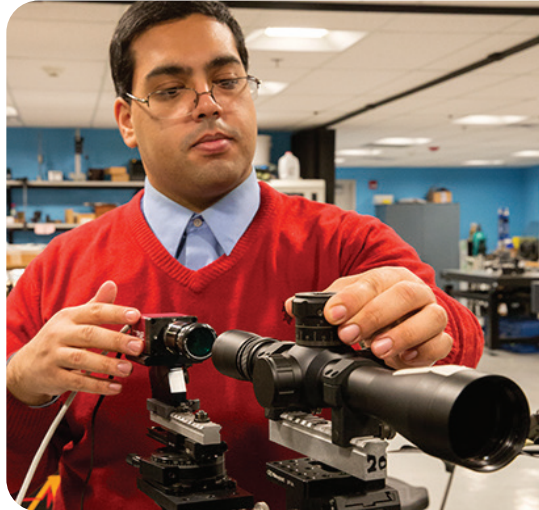
LABORATORY INFORMATION FACT SHEET

CONTACT US:

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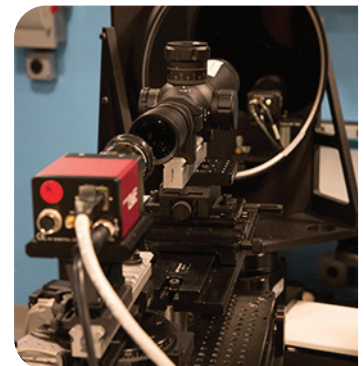
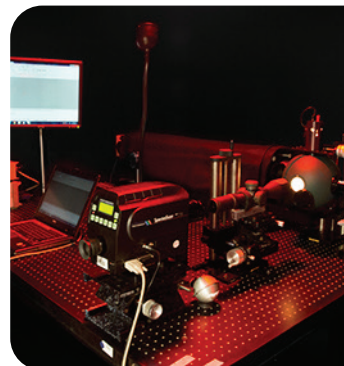
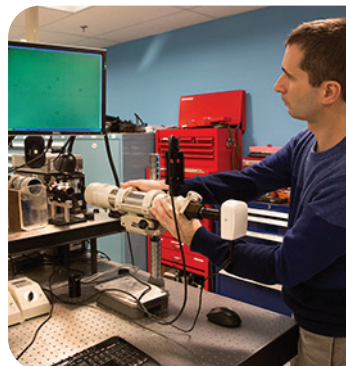


The Optics Laboratory has a comprehensive set of optics metrology equipment for measuring performance characteristics of optical, electro-optical and laser systems.

TECHNOLOGY/FACILITY DESCRIPTION:

We can measure optical components for acceptance and for analyzing contractor production problems. The laboratory can support testing both in the laboratory and in the field and with fast response capability. Our ZEMAX software supports lens design and analysis. Optical Testing Capabilities

include: Direct View Optics/Multispectral Imager Characterization, Display Characterization, Boresight Alignment/Measurement, Reticle Measurement, Spectral Transmission/Reflectance, Effective Focal Length/Nodal Points, Optical Surface Inspection, Interferometry. Laser Room capabilities include: Laser Operation up to Class IV, Laser Beam Analysis (Visible/NIR/SWIR), Radiometry (Visible/NIR/SWIR/MWIR/LWIR), Photometry, Colorimetry.



EQUIPMENT AND EXPERTISE AVAILABLE:

- SBIR Model 13495D Optics Test Bench
- Ophir-Spiricon Laser Beam Analyzer
- Nikon 6D Autocollimators
- Nikon MM-400 Measuring Microscope
- Zygo Phase-modulation Interferometer
- Photo-Reserach PR-715 Spectroradiometer
- Perkin-ELmer Lambda 1050 Spectrophotometer
- Fusion FaroArm
- Optical and Opto-mechanical Components
- Various Gas and Diode Lasers
- Q-Switched Nd:YAG Lasers
- Tenney Temperature Chamber
- Davidson collimator (16" aperture, 110" focal length)
- Four vibration isolation tables
- Precision rails
- Extensive lens and optomechanical kits (Likos & Newport Silicon and pyroelectric detectors (400nm - 1540nm))
- 1.54 um Laser Diode
- He-Ne & Gre-Ne lasers
- 11,000 foot Lambert Integrating Sphere light Source