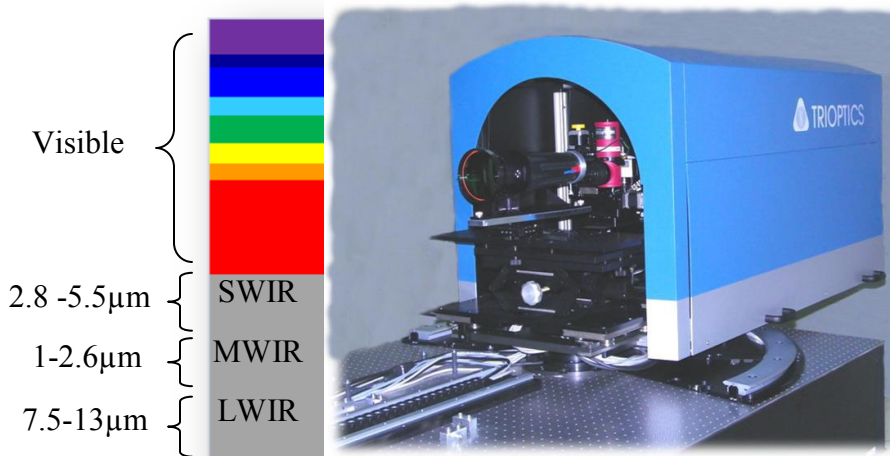


## MTF Testing Service (Modulation Transfer Function)

LightWorks Optical Systems (LWOS) is pleased to offer MTF testing services for products ranging from Visible to SWIR, MWIR and LWIR.



MTF is a generally accepted method for determining the image quality of a lens. LWOS combines the measurement of MTF with its interferometric measurement capability (from visible to LWIR) providing its customers with important optical system performance to data issues. These capabilities are available for a multitude of lens systems such as high performance imaging lenses, high resolution endoscopic lenses, military sighting devices, ophthalmic singlet or doublet lenses, and molded plastic lenses. Our test station is fully capable of handling large & small optical assemblies with an object at infinite and finite conjugates.

We understand that optical designers may require additional information in characterizing lenses. LWOS has added the capability to measure a wide range of optical parameters pertinent to most optical components and lens systems.



- MTF (Sagittal & tangential targets)
- Ensquared Energy
- Encircled Energy
- F number
- Magnification
- Effective Focal Length (EFL)
- Back Focal Length (BFL)
- Chromatic Aberrations
- Field Curvature
- Relative Transmission
- Field of View
- Chief Ray Angle
- Depth of Field
- Distortion

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