

## New Ultraviolet Spectrophotometer System

**This McPherson spectrophotometer will help develop and test optical materials and coatings for high altitude and extraterrestrial (space flight) science missions.**



McPherson VUVAS 10X Vacuum UV Spectrophotometer

A new ultraviolet spectrophotometer system for optical coating metrology just arrived at NASA Goddard (Greenbelt, Maryland USA). McPherson (Chelmsford, Massachusetts US) designed the system for optimal performance in the 90 to 160 nanometer wavelength range, also known as the deep or vacuum ultraviolet region. It was specially built with a windowless hydrogen plasma light source and differential pumping. This opens the spectrophotometer instrument up to many wavelengths beyond those of conventional UV deuterium lamps.

The new spectrophotometer system, called VUVAS-10X, uses a one meter focal length high resolution monochromator with special light source, scintillated detector and goniometric sample chamber. McPherson will commission the system at NASA Goddard.

Optical transmission, absorbance and specular reflectance can easily be tested with angles of incidence up to 60 degrees. This McPherson spectrophotometer system will most likely be used to help develop, test and qualify optical materials and coatings for high altitude and extraterrestrial or space flight missions.

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## About McPherson

McPherson (Chelmsford MA USA) manufactures instruments that measure and tune wavelengths of light; providing solutions for optical spectroscopy. The company is proud of its ongoing worldwide role in photonics research. We engage scientists involved in basic research as well as in the semiconductor, pharmaceutical, energy and environmental industries. For more information call 1-978-256-4512 or visit <http://www.McPhersonInc.com>

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