



NEWS

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Veeco Introduces Module for Measuring Through Transmissive Media

Expands Capabilities of Wyko NT Series to New Applications

Woodbury, NY, August 2, 2005 — Veeco Instruments Inc. (Nasdaq: VECO) today introduced an extension of its Wyko NT Series optical profilers, specifically developed to measure through glass and other transmissive media. The new Through Transmissive Media (TTM) module, which recently earned an R&D 100 Award, enables high-resolution, non-contact measurement of samples through protective packaging, environmental chambers and other transparent material. Initially designed for characterizing Micro Electro Mechanical Systems (MEMS), the TTM module's capability is appropriate for a broad spectrum of research, including materials science and biological applications.

"Measurement through glass adds an important level of capability to our Wyko NT Series optical profilers," said John Wissinger, Ph.D, V.P. and manager of Veeco's Optical and Industrial Metrology group. "Optical profiling has demonstrated significant benefits for MEMS development and for quality control throughout the MEMS manufacturing process. This new, Veeco-exclusive technology lets developers quantify the performance of devices in their final, packaged state as well.

"The new TTM technology also lets researchers view materials and biological samples as they react to applied changes in temperature, pressure, humidity, etc., within small, controlled chambers. The ability to view such effects quickly, and at nanometer-scale resolution, opens numerous doors for research into novel devices and phenomena."

Optical profiling (white light interferometry) is a standard technique for non-contact, 3D measurement of surface topography at the micro- and nano-scales. The additional TTM capability allows Wyko NT Series optical profilers to characterize samples through up to 3 mm of glass, sapphire, or other transmissive media.

Veeco's TTM system consists of a family of objectives that share a common housing for quick magnification changes (1X through 40X in conjunction with the profilers' standard field-of-view multipliers.) The housing also allows users to compensate for different transmissive materials and thicknesses, for greater flexibility. At higher resolution, patent-pending illumination and dispersion compensation are employed to improve contrast and enable reliable measurements.

Further information on the Through Transmissive Media module for Wyko NT systems can be found at www.veeco.com/ttm.

About Veeco

Veeco Instruments Inc. provides solutions for nanoscale applications in the worldwide data storage, LED/wireless, semiconductor and scientific research markets. Our Metrology products are used to measure at the nanoscale and our Process Equipment tools help create nanoscale devices. Veeco's manufacturing and engineering facilities are located in New York, New Jersey, California, Colorado, Arizona and Minnesota. Global sales and service offices are located throughout the United States, Europe, Japan and Asia Pacific. Additional information on Veeco can be found at <http://www.veeco.com/>.

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