

TrueSurface Microscopy Now Integrated with the WITec alpha300 series

WITec's award-winning TrueSurface microscopy is now available as an integrated option for the alpha300 microscope series. This development enables topographic Raman Imaging on large samples for the full range of WITec instruments. The new imaging mode is also available as an upgrade for installed alpha300 and alpha500 systems. Current users will appreciate this considerable expansion of their instrument's capabilities and the varied advantages TrueSurface Microscopy provides in taking their research further in the future.

The functional core of the measurement mode is the sensor for optical profilometry, now fixed in the microscope objective turret. The system measures the surface topography of large samples and correlates it with confocal Raman microscopy. This allows very rough or heavily inclined samples to be chemically characterized precisely, automatically and easily while also being confocally imaged. The decisive advantage: Extensive, time-consuming sample preparation is rendered obsolete.

"Our customers have with every WITec system the possibility to undertake macroscopic investigations along the surface of a sample on the millimeter-scale, while performing microscopic 3D Raman Imaging measurements on the sub-micron scale" explained Dr. Olaf Hollricher, WITec co-founder and managing director R&D. "The pioneering integration of an optical profilometer in a Raman microscope opens to scientists new possibilities in surface analysis only offered in the modular WITec systems."

Image

An image of the integrated sensor for TrueSurface Microscopy is available for download at: http://www.witec.de/en/company/witecnews/images/TrueSurface_alpha300.JPG

About WITec

WITec is a manufacturer of high performance optical and scanning probe microscopy systems. A modular product line allows the combination of different microscopy techniques such as Raman, SNOM or AFM in a single instrument for flexible analysis of the optical, chemical and structural properties of a sample. The instruments are distributed worldwide and are used primarily in the fields of Materials Science, Life Science and Nanotechnology. WITec is based in Ulm, Germany with regional headquarters in Knoxville, TN, USA and Singapore. For more information, please visit <http://www.witec.de>.

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