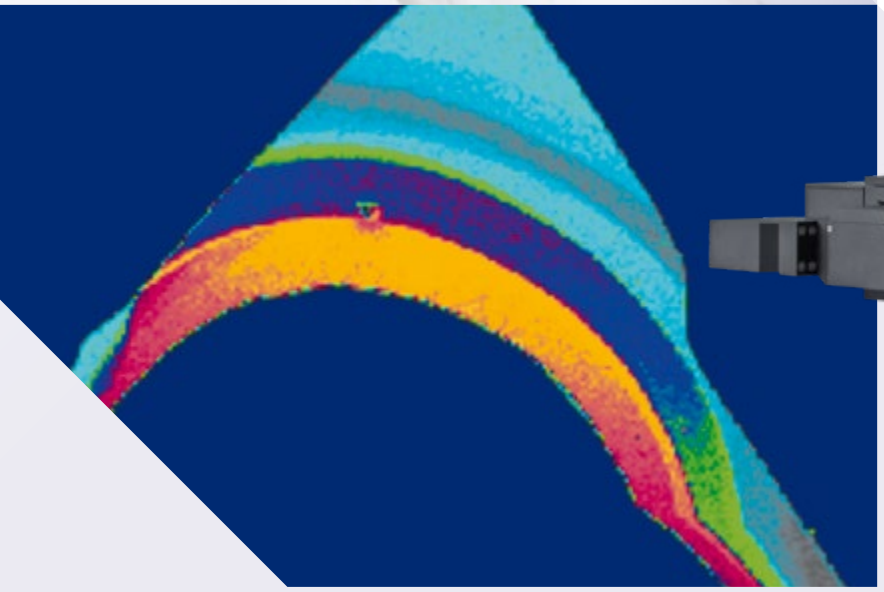
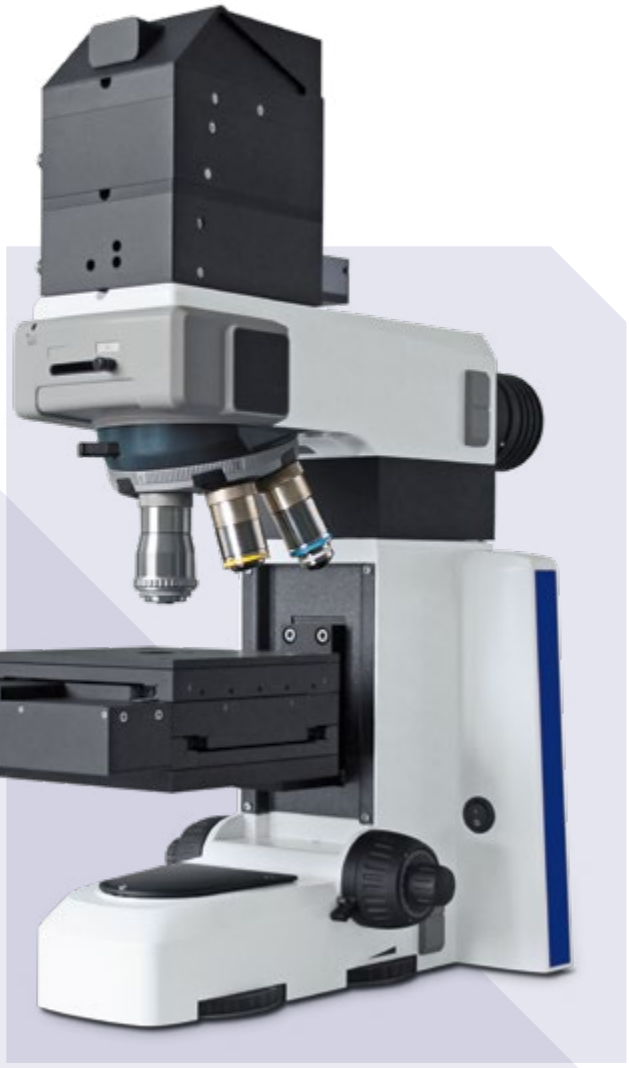
OXFORD INSTRUMENTS

Confocal Micro-Raman System

witec360 access





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witec360 access

The witec360 access is a high-quality confocal micro-Raman system that provides a point of entry to Oxford Instruments' leading-edge Raman technology for sub-micrometer chemical analysis.

The witec360 access microscope enables single-spot analysis or Raman mapping while delivering exceptional spectral quality. Specifically engineered for budget-conscious customers requiring superior performance, optical throughput and spectroscopic capabilities, it is an ideal access point to Oxford Instruments' witec360 Raman imaging technology.

Featuring optimized optical components, the system provides uncompromising cutting-edge capabilities. As a member of the witec360 microscope series it offers full upgradeability to confocal 3D Raman imaging and correlative Raman microscopy techniques, along with the modularity to keep pace with emerging and future challenges.

- access to class-leading capability within challenging budget and procurement environments
- access to high-performance spectral Raman mapping
- access to exceptional spectral quality provided by the Hexalight and Monolight Raman spectrometers
- access to high-quality and ultra-precise optical microscopy components
- access to the future of Raman spectroscopy through upgradeability

01

Multiple laser excitation sources

… adaptable (single or multi-laser coupling units) for maximum experimental flexibility.

02

Research-grade optical microscope body

… with LED Koehler white-light illumination and video camera sample view. (Dark field microscopy optional)

03

Manual microscopy stage

… for highly accurate single-point spectral acquisition.

Motorized microscopy stage *(optional)*

… to allow for high-resolution confocal Raman mapping and large-area investigations.

04

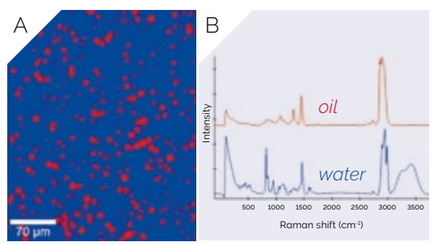
High-quality, rock-solid microscope base

… for the highest stability and long-term drift reduction.

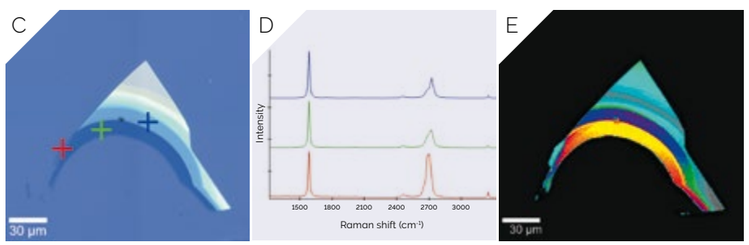
High-end spectroscopy system

The Hexalight spectrometer features a proprietary lens-based design for excellent sensitivity, resolution, and spectral shape from 350 to 1100 nm. With up to six gratings, it enables seamless and precise switching between different configurations. For fixed setups or for UV (266 nm) or NIR (1064 nm) excitations, the budget-friendly Monolight offers the same performance with a single fixed grating.

witec360 access Applications



Large-area Raman map (**A**) of a pharmaceutical pain relief ointment (emulsion) and corresponding spectra of oil and water with the dissolved active ingredient (**B**).



Raman analysis of a graphene flake: (**C**) White-light video image indicating the positions of single micro-Raman spectra acquisitions as shown in (**D**) with corresponding colors. The Raman image in (**E**) reveals its layered structure based on the recorded Raman map.

Order today

Need more information? At Oxford Instruments we are committed to finding the correct solution for you. With a dedicated team of technical advisors, we are able to offer you one-to-one guidance and technical support on all products.

To request more information please see: **raman.oxinst.com/contact**

Our Raman microscopes are manufactured at our facility in Ulm, Germany, and we have offices and support centres located worldwide.

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