

Oxford Instruments at Analytica - Enabling Breakthroughs Across Disciplines

Bringing the full spectrum of imaging and analysis together – from industrial to cutting-edge R&D applications.

Oxford Instruments will present its latest product innovations at *Analytica*, in Munich demonstrating how advanced instrumentation, imaging, analytics, and workflow solutions are enabling breakthroughs across multiple scientific and industrial disciplines. Visitors to the Oxford Instruments booth will experience the full breadth of the company's portfolio—from pharmaceutical research and life science imaging to semiconductor analysis and materials characterization—designed to accelerate research, enhance productivity, and deliver deeper insights.

At booth A2. 407 Oxford Instruments will highlight how its latest advances in Raman imaging, NMR spectroscopy, electron microscopy, camera technology, atomic force microscopy, and biosafety-ready imaging systems are expanding scientific possibilities across research and quality control. Visitors will experience expert-led insights into several new and recently launched solutions:

witec360 Raman Imaging System – Redefining Speed, Sensitivity, and Spatial Resolution

The new witec360 introduces a fully refreshed platform designed for superior Raman imaging performance featuring Hexalight offering unprecedented optical throughput from 350 to 1100 nanometres and up to six gratings. With enhanced throughput, intelligent automation, and a modular design, the system enables ultra-fast chemical mapping, high-resolution 3D analyses, and seamless integration with correlative microscopy workflows.

X-Pulse 90 and MQC-R – Next-Generation **Benchtop NMR solutions**

X-Pulse 90 brings 90 MHz broadband NMR to the benchtop for the first time. The increased magnetic field strength delivers higher sensitivity, and provides unparalleled flexibility by enabling the largest number of atomic nuclei to be investigated on the benchtop without compromising performance.

MQC-R is an all-new time domain NMR (TD-NMR) benchtop research system for academia and industry. It is engineered for robust, routine analysis in industrial QC settings, enabling fast and reliable measurement of parameters such as oil, fat, moisture, protein, and fluorine content.

Andor sCMOS CB2 Series

High-speed and low-noise imaging from UV to Visible can be achieved with the expansion of the Andor CB2 Series - a high speed, low noise sCMOS camera platform, designed to meet the needs of customers across the ultraviolet to the visible spectrum.

Andor iXon Ultra Blue EMCCD

iXon Ultra Blue, a back-illuminated single photon sensitive EMCCD camera with significantly boosted QE across the 200 – 450nm wavelength range. Is the World's Most Sensitive Camera for Blue & Near-UV Detection

Jupiter Discovery AFM – High-Performance Imaging for Advanced Materials Research

The Jupiter Discovery AFM combines large-scan capabilities with exceptional resolution, making it ideal for researchers in polymers, semiconductors, energy materials, and nanotechnology. With improved automation, intelligent scanning modes, and seamless correlative workflows, users can explore surface structures with greater depth and clarity than ever before.

Unity BEX Detector – Award winning imaging for electron microscopes

Unity captures and combines BSE and X-ray signals simultaneously, allowing users to instantly observe the microstructure and chemistry of samples in full-colour, high-resolution images.

Imaris 11: Revolutionising Image Analysis

Imaris 11 enables advanced 2D/3D/4D visualisation and analysis, with automated workflows that streamline batch processing and ensure reproducible analysis. It allows to explore volumes and time-series, generate isosurfaces and export publication-ready views. Users can segment and quantify structures using intensity-based or AI-assisted tools.

BC43 – High-Speed Confocal Imaging for Biosafety Laboratories

For life-science and biomedical researchers, Oxford Instruments will highlight the BC43, a compact, high-resolution spinning-disk confocal microscope engineered for Biosafety Level 2 laboratory environments. Its small footprint, intuitive software, and rapid image acquisition make it a powerful tool for virology, immunology, and infectious disease research—bringing advanced imaging directly into regulated laboratory spaces.

By bringing together cutting-edge tools and expert know-how, Oxford Instruments continues to support customers across a broad variety of market segments in tackling complex challenges and driving meaningful progress in their fields. Visit us at booth no. A2.407 and talk to our experts.

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About Oxford Instruments

Oxford Instruments provides academic and commercial organisations worldwide with market-leading scientific technology and expertise across its key market segments: materials analysis, semiconductors, and healthcare & life science.

Innovation is the driving force behind Oxford Instruments' growth and success, supporting its core purpose to accelerate the breakthroughs that create a brighter future for our world. The vigorous search for new ways to make our world greener, healthier and more productive is driving unprecedented levels of R&D investment in new materials and techniques to support productivity and decarbonisation worldwide, creating a significant opportunity for Oxford Instruments to grow.

Oxford Instruments holds a unique position to anticipate global drivers and connect academic researchers with commercial applications engineers, acting as a catalyst that powers real world progress. Founded in 1959 as the first technology business to be spun out from Oxford University, Oxford Instruments is now a global, FTSE250 company listed on the London Stock Exchange (OXIG).

For more information, visit www.oxinst.com