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Oxford Instruments introduces witec360 Raman Microscope with Hexalight Spectrometer across South East Asia

November 4, 2025 | News

To advance research in Singapore and across Southeast Asia



Oxford Instruments has announced the launch of its witec360 Raman microscope with the Hexalight spectrometer, setting a new benchmark in confocal Raman imaging and analysis. The new system delivers unprecedented optical performance, automation, and flexibility for research institutions and advanced industries across Singapore and the wider Asia region.

Building on the proven heritage of the WITec alpha300 series, the witec360 Raman microscope offers improved light transmission, enhanced automation, and an optimized confocal beam path from laser to detector. Available in both standard and inverted configurations, it enables precise, high-speed Raman imaging for applications in materials science, life sciences, and semiconductor research.

At the heart of the system is the Hexalight spectrometer, a next-generation design featuring proprietary lenses that deliver exceptional optical throughput from 350 to 1100 nm. Its innovative harmonic drive positions up to six gratings with remarkable precision, ensuring superior spectral resolution and flexibility. Compact and configurable, Hexalight combines the sensitivity of the UHTS series with new levels of optical efficiency and cost-effectiveness.