

Agilent advances FTIR Microscopy Imaging

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Agilent Technologies has introduced significant enhancements to its Cary 610 and 620 Fourier transform infrared spectrometer (FTIR) microscopes. These groundbreaking FTIR microscopy systems offer the largest field of view at the highest spatial resolution in the shortest period of time. The instrument is designed for use in a wide range of applications, including biomedical, materials, polymers, food, forensics, pharmaceutical, and chemical.

The Cary 610 is a single-point FTIR microscope, capable of single-point mapping, while the Cary 620 is a focal plane array (FPA) based imaging FTIR microscope. A Cary 610 can be easily upgraded to a Cary 620.

"The Cary 620 FTIR imaging microscope's innovative, high-magnification optics provide the highest-resolution data quality, unsurpassed by any other FTIR system," said Mr Philip Binns, Agilent's vice president of spectroscopy products. He added, "This system brings the power of synchrotron FTIR imaging onto the laboratory bench. The enhancements we have made in both hardware and software provide our customers with capabilities to analyze samples that were never before possible, allowing them to advance their research, increase production capacity and reduce costs."

The Cary 610/620 FTIR systems offer enhanced flexibility for busy laboratories. New IR high-magnification optics provide an additional 5x magnification without changing the objectives. Unsurpassed energy throughput and enhanced software ensure that a wider range of samples can be analyzed quickly and easily. The systems also comes with the largest choice of objectives, accessories and imaging options for more customized experiments.