

New FTIR Microscope Quickly and Easily Identifies Contaminants and Defects

Thermo Scientific Nicolet iN5 FTIR microscope offers point-and-shoot simplicity for technicians in industrial QA/QC, food safety and academic lab settings

DUBAI, United Arab Emirates (March 2018) – ArabLab 2018 – Laboratory technicians faced with identifying particulates or unknown microscopic materials, including contaminants and defects in food, plastics and other products, can now use a new infrared microscope designed for faster, more reliable results with minimal user training.

The **Thermo Scientific Nicolet iN5 FTIR microscope**, which can be seen at the Thermo Fisher booth #700 at ArabLab, is designed as a simple, cost-effective solution for particulate identification in the lab. The robust Nicolet iN5 FTIR microscope features an optical setup that allows users to simultaneously examine a sample and collect chemical information when attached to a Nicolet iS series FTIR spectrometer. A large field of view is intended to make it easier to locate and target contaminants, and it has the spatial resolution required for accurate chemical analysis. The microscope uses Thermo Scientific OMNIC Software, with its extensive set of libraries, so users can match unknown particulates to known spectra in real time and make more confident decisions.

“Quality assurance and quality control technicians are under constant pressure to quickly identify foreign objects that could lead to costly production-line shutdowns,” said Phillip van de Werken, vice president and general manager, molecular spectroscopy, Thermo Fisher Scientific. “The Nicolet iN5 FTIR microscope is designed to make it easier for technicians to see an object, scan it and identify the problem, even if they are not experts in the underlying technology. This can significantly boost efficiency and productivity.”

Ideal applications for which Thermo Fisher designed the Thermo Scientific Nicolet iN5 FTIR microscope include:

- Food safety, for the detection of contaminants in food products to ensure safety for human consumption;
- Manufacturing, for the identification and analysis of defects in plastics, polymers, paints and other industrial uses; and
- Academia, where laboratories require low-cost, innovative technology to prepare students for complex challenges they may encounter in the workforce.

The Thermo Scientific Nicolet iN5 FTIR microscope builds upon the history of the Thermo Scientific FTIR microscope line, designed to offer faster, more reliable chemical identification to lab technicians. It is designed for use with the Thermo Scientific line of infrared spectrometers.

For a closer look at the Thermo Scientific Nicolet iN5 FTIR microscope, visit www.thermofisher.com/iN5.

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