

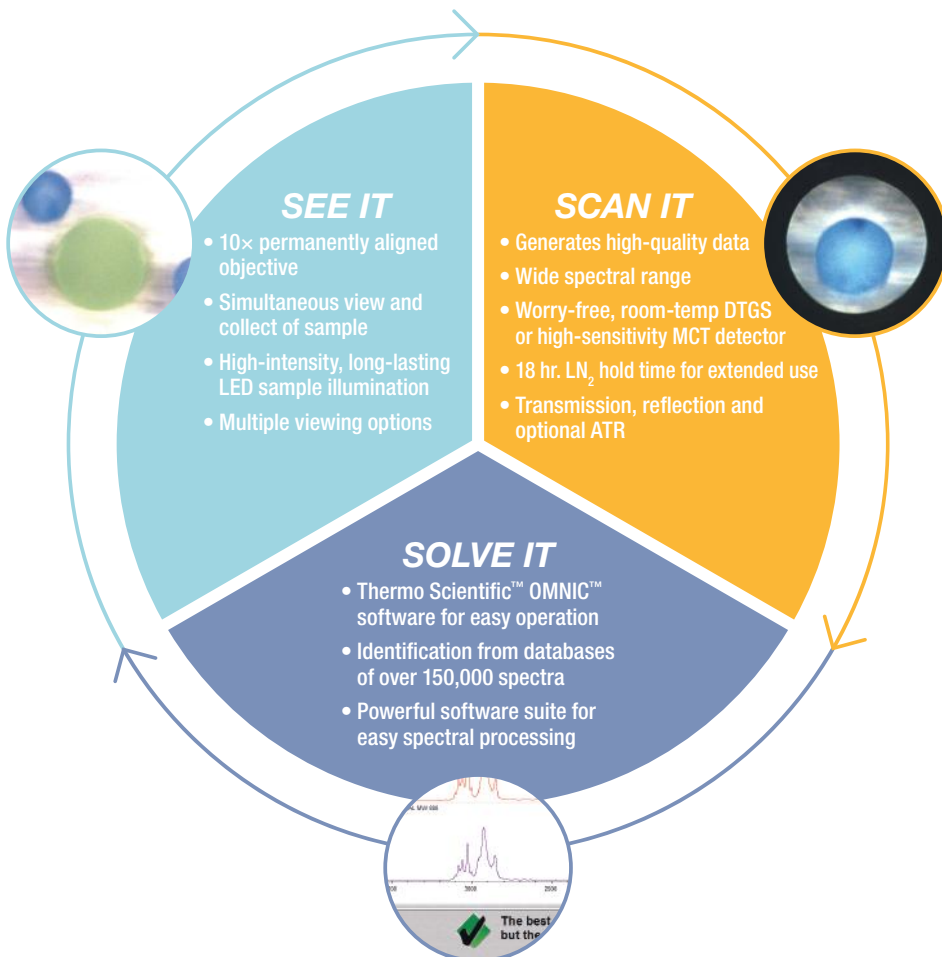
# Thermo Scientific Nicolet iN5 FTIR microscope

Rapid identification with point-and-shoot simplicity

The Thermo Scientific™ Nicolet™ iN™5 FTIR microscope solves the frequent, everyday problem of identifying unknown materials and contaminants that show up in your products and processes. The no-nonsense workflow requires only a few short steps from problem to solution.

Designed for a walk-up and use experience, the Nicolet iN5 FTIR microscope is so intuitive you don't need to be an expert to get answers. With the simple workflow, there is no need to spend time learning complex software. The optical setup allows you to simultaneously view your sample while collecting chemical information—which guarantees the data is from the area you are viewing. The large field of view makes it easy to locate and target your contaminants and gives you the spatial resolution necessary to perform chemical analysis with pinpoint accuracy.

- **Easy**—walk up and use, as simple to use as a stereoscope
- **Fast**—point-and-shoot operation provides answers in minutes
- **Reliable**—simple design ensures its always ready and dependable



**New to FTIR microscopy?  
Where can it help?**

- Defect analysis
- Embedded defects
- Samples that are too small for your ATR accessory

Description	Specification	Benefit
<b>Sample Viewing</b>		
Sample View	Simultaneous view/sample (Simul-View)	<ul style="list-style-type: none"> <li>• See sample and spectrum in real time</li> <li>• Eliminates collection errors</li> </ul>
Video Image	1.3 megapixel camera	Document sample image
Optional Viewing	Trinocular, binocular and camera-only options	View how you like
Sample Illumination	High-intensity LED	<ul style="list-style-type: none"> <li>• Optimize sample illumination</li> <li>• Optimize sample contrast</li> </ul>
<b>Microscope Optics</b>		
Objective	<ul style="list-style-type: none"> <li>• 10x, N.A. 0.71</li> <li>• Permanent alignment</li> <li>• ATR ready</li> </ul>	<ul style="list-style-type: none"> <li>• Crisp visible images</li> <li>• High throughput</li> <li>• Easy to use</li> <li>• Quick slide-on of ATR</li> </ul>
Sampling Modes	Transmission, reflection and optional ATR	Maximum sampling flexibility
Sample Masking	<ul style="list-style-type: none"> <li>• Targeting aperture (pre-sample)</li> <li>• Variable apertures</li> </ul>	<ul style="list-style-type: none"> <li>• Improved infrared spatial resolution</li> <li>• See full sample area</li> <li>• Record sample area size and position</li> </ul>
ATR Options	<ul style="list-style-type: none"> <li>• Pre-aligned, slide-on germanium or diamond crystals</li> <li>• Integrated pressure sensor (Contact Alert)</li> </ul>	<ul style="list-style-type: none"> <li>• Interchangeable within seconds</li> <li>• Reproducible spectra</li> <li>• Minimize crystal damage</li> </ul>
Condenser	<ul style="list-style-type: none"> <li>• Permanent centration</li> <li>• Z-focus positioning</li> </ul>	<ul style="list-style-type: none"> <li>• Easy to use</li> <li>• Optimize infrared throughput</li> </ul>
<b>Microscope Detectors</b>		
Detector Design	Stainless steel dewar	18-hour LN <sub>2</sub> hold time
Detector Options	<ul style="list-style-type: none"> <li>• Medium-band MCT-A</li> <li>• Room temperature DTGS</li> </ul>	<ul style="list-style-type: none"> <li>• 7800–650 cm<sup>-1</sup></li> <li>• 7600–450 cm<sup>-1</sup></li> </ul>
<b>Other</b>		
Power Requirements	Powered by the spectrometer	Worldwide operation
Dimensions (W × D × H) and Weight	35 × 66 × 56 cm (13.8 × 26 × 22 in.), 29 kg (64 lbs)	Minimize bench space
Warranty	<ul style="list-style-type: none"> <li>• 1-year full warranty with 5-year parts warranty*</li> <li>• Extended warranty also available</li> </ul>	Minimize operation cost

\* Exclusions apply



Thermo Scientific™ Nicolet™  
iS™10 FTIR spectrometer with  
the Nicolet iN5 FTIR microscope

Find out more at [www.thermofisher.com/iN5](http://www.thermofisher.com/iN5)

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