

Get more from your analysis

Durable, high-performance ATR

The Thermo Scientific™ Everest™ ATR accessory lets you get the most out of your Thermo Scientific™ Nicolet™ Summit™ FTIR Spectrometer. A monolithic diamond ATR crystal and high-efficiency, all-reflective optics combine with a variety of interchangeable crystal plates to provide the robustness and flexibility to meet your material identification and verification needs:

- Verify pharmaceutical active ingredients and excipients
- Identify polymers, copolymers and additives in plastics and rubbers
- Inspect incoming raw materials
- Analyze volatile liquids

The Everest ATR optics maximize energy throughput, so you get high-quality spectral data in seconds. Robust, simple operation is assured by the dependable crystal mounting system, and the Thermo Scientific™ Smart™ chip technology that integrates the Everest ATR into your Nicolet Summit spectrometer.



- Monolithic diamond crystal provides superior robustness
- Full spectral range provides more information about sample
- Interchangeable crystals offer sampling versatility
- Automatic accessory recognition enables high productivity

Gather more information from your Nicolet Summit FTIR spectrometer with the Everest ATR accessory

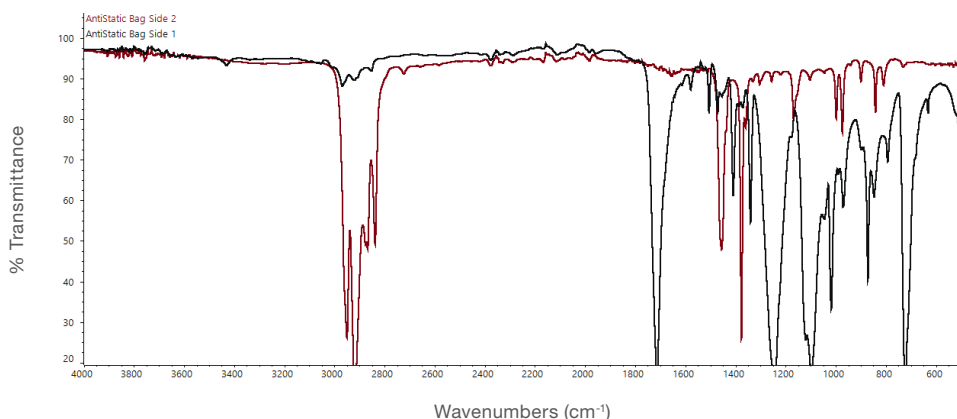
Configure your Everest ATR

Choose the crystal type to fit your needs and budget:

- Diamond for liquids and all solids
- ZnSe for liquids and soft solids
- Germanium for highly absorbing materials like black rubbers



Acquire high quality spectra across the entire mid-infrared spectral range with the AR diamond and the all-reflective optics for superior throughput. The XR diamond provides a little more signal at the low end of the spectral range, at the expense of sensitivity over the entire range. Use the germanium option for difficult samples like carbon-filled polymers, or the cost-effective zinc selenide (ZnSe) option if you analyze only liquids and soft solids.



Spectra of the different polymer layers of an antistatic bag collected on a Nicolet Summit FTIR with an Everest ATR and diamond crystal plate

Choose the configuration that best meets your needs:

Crystal Plate (one required)	Soft Materials	Hard Materials	Highly Absorbing	Part Number
Everest AR Diamond*	Best	Best		869-168800
Everest XR Diamond**	Best	Best		869-168900
Everest ZnSe	Good			869-169000
Everest Germanium	Good	Good	Best	869-169100
Accessory Base (required)				Part Number
Everest Optics Module***				869-172900
Spare Parts				Part Number
Everest ATR Tip & Volatiles Cover Kit				869-169200

* AR-coated for higher throughput; Spectral range in Nicolet Summit with KBr: 7800–400 cm⁻¹

** Uncoated for wider spectral range; Spectral range in Nicolet Summit with KBr: 7800–350 cm⁻¹

*** Includes Everest ATR Tips and Volatiles Cover

Find out more at thermofisher.com/everest