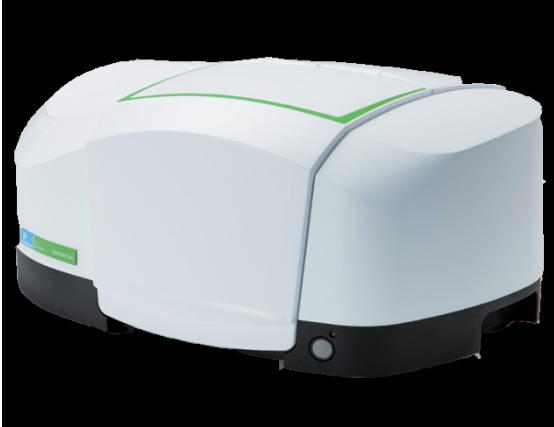


ATR-FTIR (Attenuated Total Reflection - Fourier Transform Infrared Spectroscopy)



The Fourier Transform Infrared Spectrometer (FTIR) device is used to illuminate structures of various materials in solid, liquid and powder form. The FTIR device provides the recognition of functional groups by measuring the vibration frequencies of the bonds in the molecules.

Diamond crystal-ATR (Attenuated Total Reflection) module allows rapid analysis in solid and liquid samples.

FTIR Applications:

- Polymer
- Paints
- Pharmaceuticals
- Textiles
- Cosmetics

Device Name/Model: Perkin Elmer Spectrum Two

Device Hardware and Features:

Detector: DTGS

Spectral range: 4000-600 cm^{-1}

Laser: Laser diode

Software: Spectrum 10