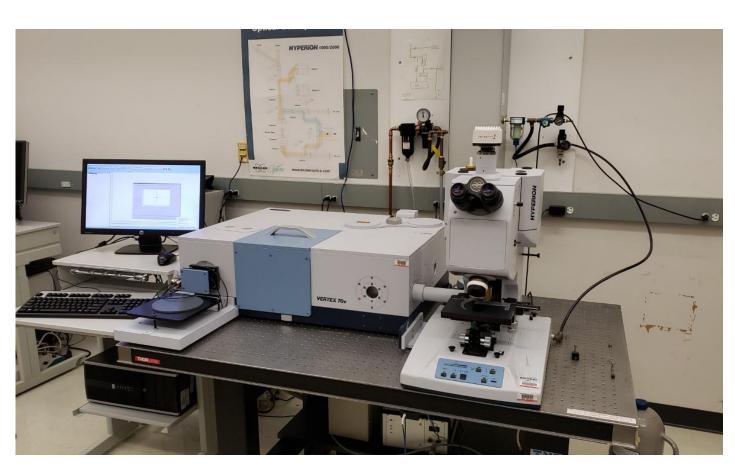
Bruker optics Vertex70V FTIR spectrometer and Hyperlon 1000/2000 FTIR microscope



A high performance FTIR spectrometer providing absorption measurement of different IR frequencies by a sample (liquid, solid) positioned in the path of an IR beam. Main features:

- Factory aligned interferometer
- Vacuum sealed optics
- Spectral Resolution better than 0.4 cm-1
- MIR source and KBr beamsplitter (7500-370 cm^-1) covering mid IR region (8,000 to 350cm-1)
- DLaTGS detector with KBr window which covers a spectral range from 12,000 to 250 cm-1 (RT operation)
- MCT detector with ZnSe window (12000-600 cm^-1)
- Hyperion microscope with 4x/15x objective, reflectance/transmittance measurement capability with MCT detector.
- Hyperion microscope is coupled to the Vertex 70V system
- Far IR beamsplitter (Multilayer 6 micron 680-30 cm^-1)
- Far IR detector DLaTGS withPE window (700-10 cm^-1, RT operation)
- OPUS control software