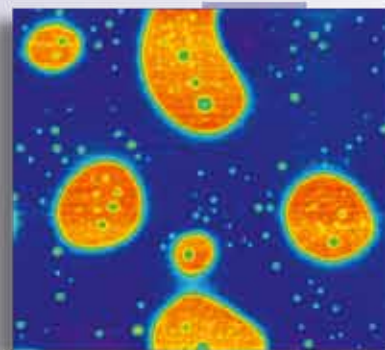


See the nanoworld

with IR-SNOM and Raman spectroscopy

The desire to know more and more has been always innate to humanity since the discovery of fire until Faustus of today. Nicolet CZ offers a series of sophisticated scientific systems including FT-IR and Raman spectrometers and microscopes or SNOM (scanning near field optical microscopy), the innovative technique of IR microscopy with ultra high resolution (down to 10 nm).



Raman microscope Nicolet DXR3xi

- High-performance imaging EMCCD detector
- 0.4 μ m resolution
- Non-destructive measurements
- Millions of spectra within tens of minutes
- Compatible with AFM (topography measurements), SPM and TERS
- Safe radiation source (UV, VIS or NIR laser)
- User friendly and intelligent software
- Suitable for studies of deposited graphene layers, pharmaceutical specimens, forensic analysis, distinguishing of individual polymorphs of a compound and many others



NeaSpec SNOM

- 10nm resolution
- IR-SNOM/Raman combined experiments
- Ultra-fast chemical imaging and topography measurement
- Non-destructive measurements
- Tunable broad-band IR laser as a safe radiation source
- User friendly and intelligent software
- Studies of plasmons, hyperbolic materials, polymer blends (orientation of molecules), organic and inorganic semiconductors, structural disorder of materials, charge distribution and electronic nanomotion, graphene layers, protein and virus complexes, nanomaterial properties, and many others



NICOLET CZ
MOLECULAR SPECTROSCOPY