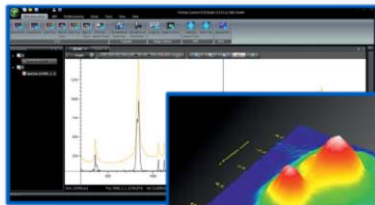


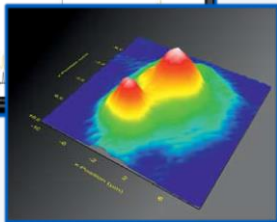
FluoRaman *Plus*



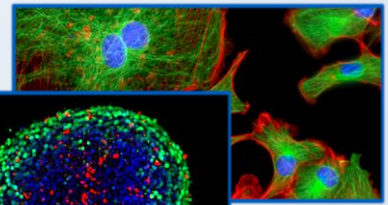
Correlative Raman–Fluorescence Confocal Microscopy



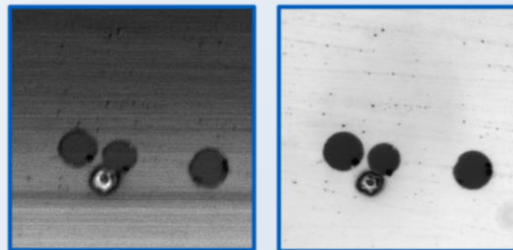
Complete Raman spectra



3D confocal Raman mapping



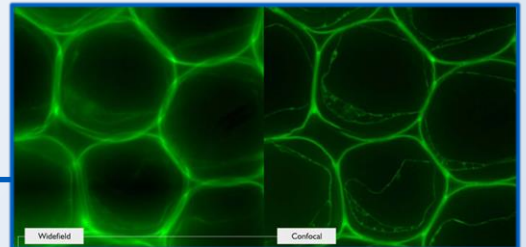
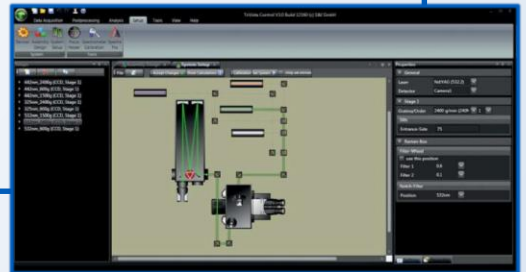
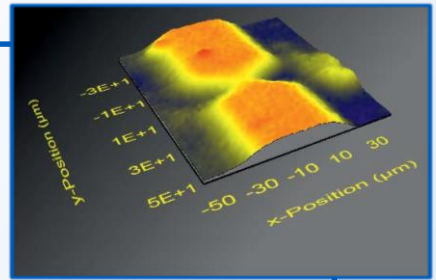
High-speed 3D Confocal Fluorescence microscopy for life science



Same Field of View on Raman and fluorescence acquisitions

Raman Performances

- Deep UV to NIR wavelength range
- Up to 4 integrated multi-line lasers plus port for large external lasers
- Dual beam path for UV and VIS/NIR
- Motorized Laser selection
- Auto Alignment and calibration
- High spectral resolution, i.e. FWHM < 0.2 cm @ 633 nm
- Low frequency range down to +/- 10 cm with Ultra Narrow band notch filters
- High frequency range up to 9.000 cm⁻¹ (@ 532nm), useful for photo luminescence
- Peltier and liquid nitrogen cooled detectors
- Upright, inverted and dual microscopes
- Stepper motor and piezo driven XYZ stages
- Fast Raman Mapping- Heating/ cooling stages and Helium temperature Cryostats
- Combined Raman and AFM- Motorized polarization optics
- Heating stages for up to 1500 °C
- Heating and cooling stages for - 196°C to 600°C
- Helium temperature Cryostats
- Combined Raman and AFM with Nanonics and JPK
- Instruments AFM systems
- Laser safety class I option



Confocal Fluorescence Microscopy Performances

- High speed spinning disk confocal module with low phototoxicity for life science
- High power multi-line lightsource (laser or LEDs)
- High QE and high speed 16-bits cameras (sCMOS, EMCCDs)
- Available with Upright Olympus Microscopes BX43, BX53 and BX51WI or Inverted Olympus Microscope IX73
- Dual Microscope, consist of Upright and Inverted Microscope
- Wide range of UV, VIS and NIR objectives
- Compatible with all objectives (high NA or long working distance)
- Motorized XYZ stages with resolution of less than 50 nm
- Piezo XYZ stages with resolution of less than < 1nm
- Simultaneous acquisition on entire camera FOV
- Full access to RAW data
- **NIR**-optimized spinning disk module available
- Multiple confocal pin hole sizes available (single pattern or double pattern)
- Spectral range (confocal/widefield): 400-750nm
- Software controlled bypass mode: widefield to confocal
- Fastest spinning disk in the market: 15.000 rpm rotation speed
- Lateral Resolution (FWHM): ~230 nm (High NA 1.4) diffraction limited
- Axial Resolution (FWHM): ~600 nm (High NA 1.4)
- Software controlled excitation, dichroic and emission filter wheels
- Field of view imaging: up to 22 mm

