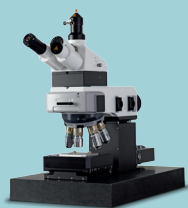


Raman



alpha300 R



alpha300 R+



alpha300 M+



alpha300 M

AFM



alpha300 AR+



alpha300 SR

alpha300 SR+



alpha300 AR



alpha300 S



alpha300 A

SNOM

The WITec alpha300 High-Throughput Microscope Series

www.witec.de

WITec
focus innovations

Confocal

Raman

AFM

SNOM

Benefits of WITec's extremely sensitive optical system:

- Ultrafast Raman Imaging: Unmatched acquisition time for a single Raman Spectrum (0.7 ms/spectrum at continuous readout)
- Unique capability of detecting signals from extremely low material concentrations or small volumes
- Allows weak Raman scatterers to be accessible for Raman imaging
- Lowest excitation laser powers applicable: Nondestructive sample analysis
- Monitoring of fast dynamic processes easily possible

WITec
focus innovations

alpha300 M

- Confocal Micro Raman Spectroscopy
- Single point spectrum acquisition
- Single-point depth profiling
- Time series
- Wavelength optimized UHTS300 spectrometer system

alpha300 M+

- Large-area confocal Raman mapping (25x25 mm)
- Includes all features of the alpha300 M

alpha300 R

- Confocal Raman Imaging system for high-resolution 3D chemical imaging
- Ultrafast Raman Imaging with EMCCD (optional)
- Includes all features of the alpha300 M

alpha300 R+

- Automated multi-area and multi-point measurements
- Large-area confocal mapping (25x25 mm)
- Includes all features of the alpha300 R

alpha300 A

- Combines a research grade optical microscope and AFM
- Easy cantilever alignment and high-resolution sample survey
- Pulsed Force Mode for local surface properties imaging on the nanometer scale
- Closed loop piezo-driven scan stage featuring TrueScan™
- Various AFM modes available (e.g. contact, lateral force, AC, MFM, EFM)

alpha300 AR

- Combines all features of the alpha300 R and alpha300 A
- Switch between AFM and Raman Imaging by simply rotating the microscope turret
- Raman and AFM Imaging on the same sample position immediately accessible

alpha300 AR+

- Combines all features of the alpha300 R+ and alpha300 A

alpha300 S

- Optical imaging below the diffraction limit
- Robust & flexible cantilever SNOM sensors with a hollow pyramid tip
- High transmission coefficient
- Reliable & user-friendly operation
- Combines SNOM, Confocal & AFM in one instrument

alpha300 SR

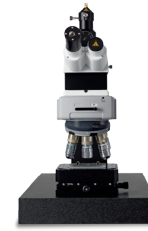
- Combines all features of the alpha300 S and alpha300 R

alpha300 SR+

- Combines all features of the alpha300 S and alpha300 R+

alpha500 A,R & AR

- Includes all features of the alpha300 A and/or alpha300 R with an extended travel range of the motorized microscopy stage of 150 x 100 mm
- Automated multi-area and multi point Raman imaging, mapping and AFM measurements on large samples
- TrueSurface™ Microscopy Mode (optional) for topographic Raman Imaging



alpha300 M



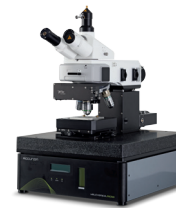
alpha300 M+



alpha300 R



alpha300 R+



alpha300 A



alpha300 AR



alpha300 AR+



alpha300 S



alpha300 SR



alpha300 SR+



alpha500

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