

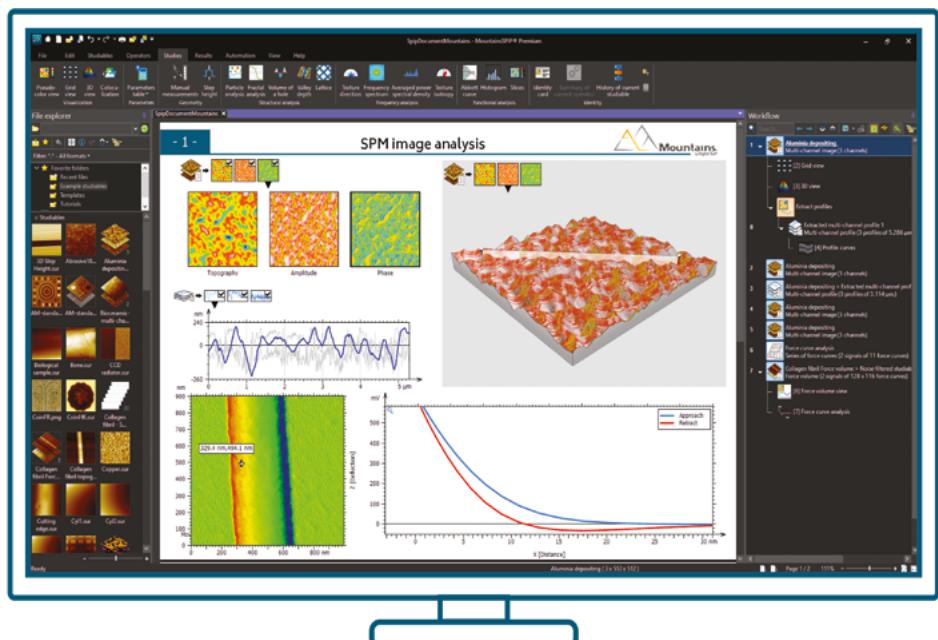


AFM & SPM image analysis software from the experts

Based on industry-standard Mountains® technology and including all the best SPIP™ (Image Metrology) interactivity and analytical tools, MountainsSPIP® software contains the most advanced set of professional tools on the market for your scanning probe microscopy image analysis

Compatible with all scanning probe microscopy techniques

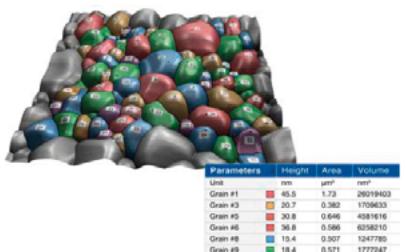
- Atomic force microscopy (AFM)
- Scanning tunneling microscopy (STM)
- Scanning near-field optical microscopy (SNOM)
- Magnetic force microscopy (MFM)
- Kelvin probe force microscopy (KPFM) etc.



Try MountainsSPIP® software free for 30 days

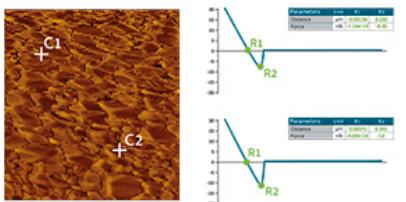
www.digitalsurf.com/free-trial/

What's inside MountainsSPIP®



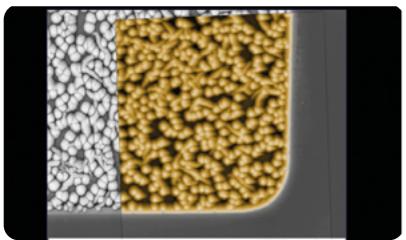
Advanced particle analysis

- Easily detect and quantify features of any shape and size
- Quantify 70+ characteristics (height, area, volume, perimeter etc.) for the whole sample or individual particles
- Group particles into classes based on characteristics
- Generate statistics and graphics



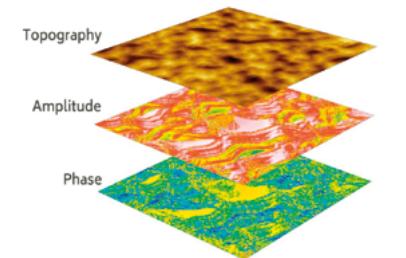
Force spectroscopy

- View, process and analyze force curves and force volume images
- Correct data, create interactive parameter maps and manage large collections of curves
- Calculate Young's modulus, energies, stiffness, WLC etc.



Correlative analysis

- Combine SPM images with data from other instruments (SEMs, 3D optical microscopes, confocal microscopes etc.) to perform correlative analysis
- Colocalize with chemical composition data



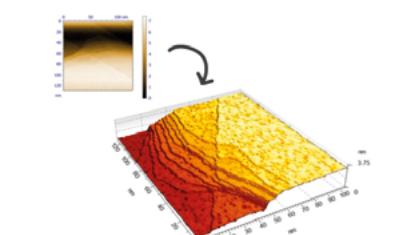
Multi-channel imaging & analysis

- Handle multi-channel files
- Visualize different channels in 3D
- Apply analysis to a single layer or to all layers
- Extract multi-layer cross-sections



Automate SPM image analysis

- Streamline your analysis process and boost efficiency with no-code automation tools
- Efficiently analyze large batches of data by saving and reapplying analysis sequences automatically
- Save your progress and resume your work seamlessly
- Enhance your analysis with powerful built-in statistical tools



Data correction & normalization

- Get your data ready for analysis with correction, normalization & denoising tools
- Remove anomalous scan lines and isolated artifacts
- Use FFT-based filtering and thresholding

Mountains® software core benefits

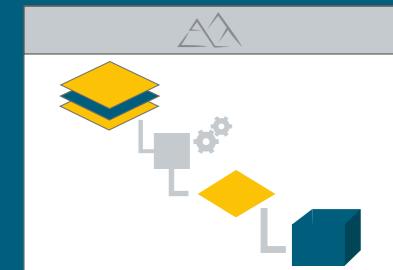
Surface imaging & metrology expertise

With 30+ years' experience developing analysis software for the global industrial and scientific community, Digital Surf specializes in surface texture analysis according to ISO standards (as used for profilometers) and microscopy/spectroscopy data analysis



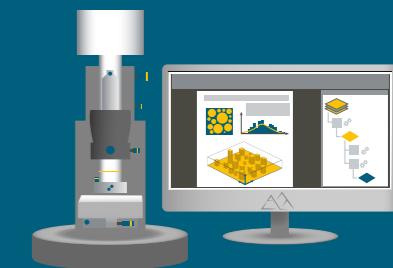
Total traceability

MountainsSPIP® unique interactive analysis workflow lets users see and modify all the analysis steps already applied to data and revert back to any step in the process at any time



Works with all techniques, trusted by the manufacturers

Join over 22,000+ Mountains® users worldwide and use analysis software trusted by the leading manufacturers and national research laboratories



Scientific software with a document layout

Organize the different steps of your image analysis on one or several pages and publish in PDF or Word to share with colleagues, students, clients etc.



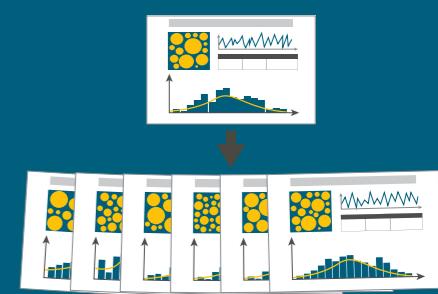
Work & get help in your own language

Work in one of the 11 languages available in the Mountains® user interface & and get help on your applications from our international support team



Powerful automation

Automate your repetitive work and speed up your analysis process with no-code tools
Save analysis sequences and reapply automatically to large batches of data
Accelerate analysis with built-in statistics tools



Select your MountainsSPIP® product

|  | MountainsSPIP® | Premium | Expert | Starter |
|---|----------------|---------|--------|---------|
| 3D views with animation | ✓ | ✓ | ✓ | ✓ |
| Advanced file explorer | ✓ | ✓ | ✓ | ✓ |
| Automation (template documents and document save/load features) | ✓ | ✓ | ✓ | ✓ |
| Basic correction tools (level, correct lines etc.) | ✓ | ✓ | ✓ | ✓ |
| Essential 2D & 3D parameters and filters | ✓ | ✓ | ✓ | ✓ |
| Dimensional measurements (step heights, distances etc.) | ✓ | ✓ | ✓ | ✓ |
| Full reporting facilities including PDF and Word export | ✓ | ✓ | ✓ | ✓ |
| Full set of statistical tools | ✓ | ✓ | ✓ | X |
| Tip deconvolution | ✓ | ✓ | ✓ | X |
| Image stitching | ✓ | X | X | X |
| Optional modules | | | | |
| Detection, analysis and classification of particles and pores | ✓ | ✓ | Option | |
| Correlative microscopy | ✓ | Option | Option | |
| IV Spectroscopy | ✓ | Option | X | |
| Force curve analysis | ✓ | Option | Option | |
| Critical Dimensions & Trenches | Option | Option | X | |
| Contour analysis | Option | X | X | |
| Advanced contour analysis | Option | X | X | |
| Fiber analysis | Option | Option | X | |
| Scale-sensitive fractal analysis | Option | X | X | |
| Spectroscopy | Option | Option | X | |
| 4D surface change | Option | Option | X | |

✓ : Included Option : Available as an option X : Not compatible