

ONE SOURCE



Outfit

The NTA/NT-MDT Cantilever Store features High Resolution “Golden” Silicon probes in a wide array of force constants, coatings, and functions. What does your application require? Super Sharp DLC tips with a radius of curvature of 1nm? High aspect ratio whisker probes for contact, semi- or non-contact modes? The sensitivity of our new poly-silicon lever arms? Magnetic probes or conductive probes? Doing AFM oxidation nanolithography? Ask about our new diamond coated conductive probes: After imaging the Mona Lisa 50x, our DLC tip was still alive and kicking. From bare probes to NSOM tuning forks, from conventional tips to the esoteric. Our cantilever store has them all .. and our tips fit most AFMs.

Visit us at:
www.Nanotech-America.com/cantilevers

Calibrate/Test

We also carry a full line of calibration gratings to fully characterize your SPM for lateral and vertical non-linearity and angular distortion, as well as hysteresis, creep or cross coupling effects. Visualize your tip parameters in 3D to determine sharpness, degradation, contamination, and aspect ratio. For your most discriminating height measurements, use the mono-atomic levels (0.31nm, 111 surface) on our STEPP (Silicon Test Eschelon Pattern) to calibrate in Å and single nm intervals. Also available: Linear DNA deposited on freshly cleaved mica (L = 1009 nm, 3000 base pairs), recommended for humidity and Z resolution testing as well as estimating probe tip curvature.

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Support

Do you need to obtain critical Z resolution, a conductive sample for STM, or just an atomically smooth substrate? Ask about our HOPG (Highly Oriented Pyrolytic Graphite), available in three spreads (0.4°, 0.8°, and 1.5°) as well as varying thicknesses (1.2 to 2 µm) and sizes (up to 12x12 mm for 0.4° and 0.8° and up to 45mm x 45 mm for 1.5°).

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Control

What environment does YOUR application require? NTA/NT-MDT offers thermal stages from -30°C to + 80°C, from room temperature to + 150°C or + 300°C. For the ultimate in thermal control, our new ThermoHead boasts XY drift of 15nm/°C and Z drift of 10nm/°C. **Is liquid more your style?** From single drop to full thermal and flow control, NTA/NT-MDT has a solution. We even handle most corrosive and organic solvents. Call us today to find out which of our liquid cells fits your application best.

Call us today at 972-954-8014
or visit us on-line at www.nanotech-america.com:
Your lab's *one source* for NTegra and SPM accessories.



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