What's new?

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Dear ,

I am happy to announce that our new high-end AFM, the DriveAFM, was successfully launched in early December. The DriveAFM is the culmination of several years of effort by our engineers, and our collaboration with leading research institutions around the world. We wanted to build the best tip-scanning AFM and I believe we have achieved that.

I foresee the DriveAFM becoming the favorite instrument of many researchers in materials research, life science, and nanotechnology in general. Please visit www.nanosurf.com/DriveAFM for more details.

Yours sincerely,
Dr. Urs Matter
CEO

Conference corner

On-demand webinar

Introduction and technical details of the DriveAFM

Recently Dr. Christian Bippes showed what makes the DriveAFM special, how it achieves its performance, as well as some application examples. If you missed the original live broadcast, as a subscriber you can view the recording in your own time.

Watch now

Want to see it perform live?

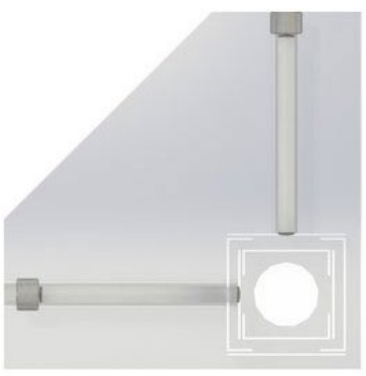
Book a live demo with Dr. Bippes

If you want to see the DriveAFM in action and learn in a more specific way what it is capable of, fill in the form and let us know. Your sales representative will contact you to work out details, and schedule a live demo with Dr. Christian Bippes. Let us know what types of samples, which modes, and what kind of setup is required for your success, and we will prepare a demonstration that allows you to see exactly what you need to make a purchasing decision.

Reach out for a demo now

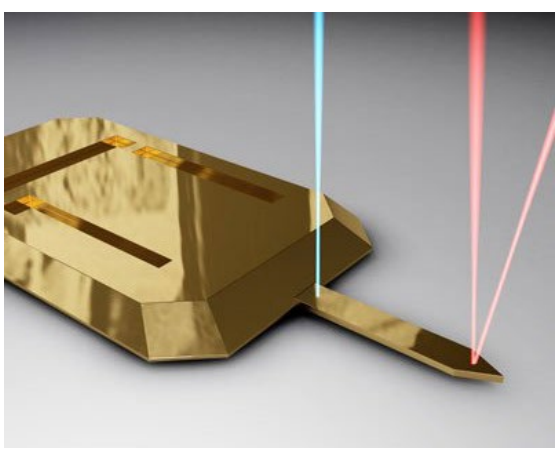
A look at the technology

Direct Drive



The non-amplified actuation scheme of the DriveAFM's flexure scanner provides more force and can drive stiffer scanners with higher resonance frequencies.

CleanDrive



CleanDrive is a photothermal method to actuate the cantilever. Photothermal excitation provides unparalleled stability, and a high excitation bandwidth in air and liquid environments.

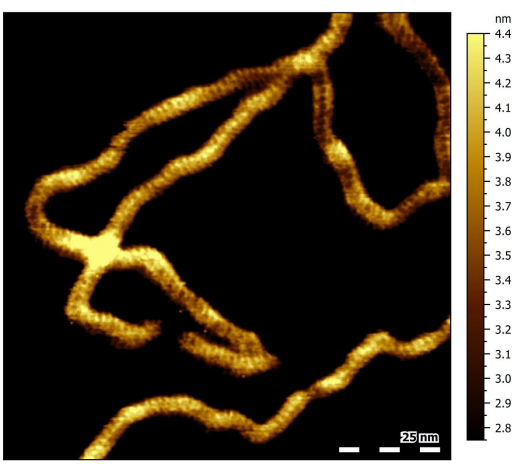
Motorization and automation

Motorization of all alignment features of the DriveAFM makes it one of the easiest systems to use. This lends itself to the potential of developing a fully automated one-click AFM. For detailed information about the DriveAFM and its innovative new features, please visit our website.

Measurement examples

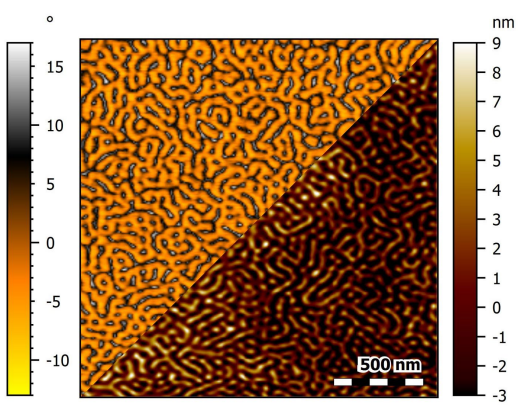
The DriveAFM not only comes with innovative features but is also packed with performance. A few examples of the outstanding capabilities of the DriveAFM are illustrated below.

DNA major and minor grooves



High-resolution topograph of double-stranded DNA (dsDNA) adsorbed to mica in buffer solution. Several dsDNA strands can be observed. All of them show a characteristic periodic pattern.

PS-Pb-PS triblock copolymer



This image shows the phase (top) and topography (bottom) of an unannealed PS-PB-PS triblock copolymer thin film on mica imaged at 20 Hz line rate using an USC-F1.2-k7.3 cantilever.

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