Nanosurf AG

Nanosurf was founded in 1997 in Liestal, Switzerland, which remains the site of our headquarters where we develop and manufacture all our AFMs. Nanosurf has a vast knowledge base in scanning probe microscopy, with an average of more than 15 years of AFM experience in our sales, service and development teams. Thanks to their extensive research backgrounds in AFM, our sales and application scientists can not only help you in choosing the most suitable AFM for your application, but can also provide you with class leading support regarding its operation. In case a standard instrument does not optimally meet your needs, our team is capable and willing to develop a tailored system for you. These kinds of individualizations are commonly required for samples that are non-planar, large or heavy – a field where our team has unparalleled experience.

- Flex-Axiom—The most flexible atomic force microscope for materials research. For success in materials research studies, scientists depend on professional tools that can readily provide the information needed, regardless of the tasks at hand. By advancing key technologies and designs, Nanosurf has made the Flex-Axiom one of the most versatile and flexible AFMs ever, allowing a large variety of materials research applications to be handled with ease.
- Flex-Bio—The atomic force microscope that combines versatility and performance for biology and life science. A key success factor in life science research is the combination of multiple techniques. With the Flex-Bio you can combine the liquid AFM imaging, spectroscopy and nanomanipulation capacity of this system with the high-end optical techniques available for inverted microscopes.
- **CoreAFM**—The compact research AFM that offers best value for money. The CoreAFM is the result of intelligently combining the core components of AFM to achieve maximum versatility and user-friendliness. Due to this fundamental design approach, the CoreAFM is equipped to perform AFM at its best. All the essential functions of modern AFM are integral components of the CoreAFM system. All that is needed to start using the CoreAFM is to connect the controller and plug in power and USB.
- FluidFM probe microscopy—FluidFM probe microscopy combines the force sensitivity and positional accuracy of an AFM with FluidFM technology by Cytosurge to allow a whole range of exciting applications in single-cell biology and nanoscience. As Cytosurge's initial cooperation partner for this innovative technology, Nanosurf has the longest-standing experience providing AFM systems with FluidFM add-on. The add-on is available for the FlexAFM and CoreAFM platforms.
- Alphacen 300—The tip-scanning AFM for large and heavy samples up to 300 mm or 45 kg. Over the past years, Nanosurf's customizing team has built large custom AFM systems and stages for various customers. Utilizing the vast body of knowledge acquired during these projects, we have now developed a dedicated standard product for large and heavy samples. The Alphacen 300 includes powerful automation software that allows the user to preselect the locations of interest on an optical image or stage map, and then lets the system collect the images with no user intervention.

Nanosurf is the global market leader for AFM-based single-cell and nanomanipulation tools, AFMs and STMs for education, compact AFM systems, and large custom-built AFM systems. With groundbreaking devices in its development pipeline, Nanosurf will soon be offering further high-end solutions.

Nanosurf's products are developed and produced exclusively in its Swiss headquarters by a dedicated team of experienced engineers and physicists, and sold worldwide through Nanosurf's subsidiaries and a large network of distribution partners.

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How to find us

Nanosurf AG, Gräubernstrasse 12, CH-4410 Liestal, Switzerland Tel: +41 61 927 47 47 Fax: +41 61 927 47 00 Email: info@nanosurf.com www.nanosurf.com

Locations: Liestal, Switzerland | Langen, Germany | Bracknell, UK | Woburn, MA, USA | Shanghai, China | New Delhi, India | Singapore