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In our continuing efforts to disseminate information to our customers and other stakeholders, we are starting a quarterly newsletter. In this newsletter, we will have information that our current users can use including details about software updates, user guides, and application and technical notes. We will also have news about our product offerings, publications from our customers, upcoming webinars and workshops and conference attendance. We would also like to include updates from our users in this newsletter. So if you have interesting information to share, including papers, images, presentations, please let us know.

Dear ,

The current coronavirus pandemic reiterates the need for a better understanding of the nanoworld. Atomic force microscopes continue to play a critical role in deciphering this world. At Nanosurf, we are working hard to continue our development activities that empower nanotechnology researchers to find innovative solutions and gain new scientific insights. We are constantly releasing new options and features to enable researchers to be more successful.



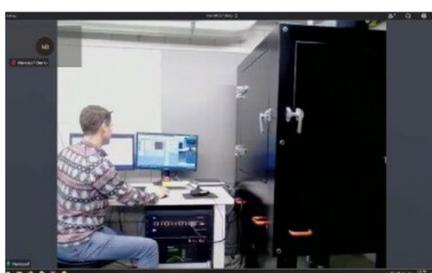
Simultaneously, our support team is implementing several new initiatives to assist our existing customers under these difficult conditions. We are starting a series of web-based demonstrations and training sessions for our instruments. We are also creating "how-to" videos to assist our users. These will be [available on our website](#) soon. Please keep an eye out for announcements of upcoming events on our website.

Yours sincerely,
Dr. Urs Matter
CEO

Conference corner

Upcoming opportunities to talk to Nanosurf

The current global medical situation has forced conferences to be postponed or cancelled. While this is an important move that we support, we want to continue providing first class service and support to our customers, albeit through virtual and remote channels.



We will gladly work with you to set up online demos of our systems for you, or meet with you in virtual spaces for discussions and support. It is not the same as experiencing an instrument first-hand, but we all want to stay safe, and technology provides us with alternatives that can help mitigate delays in your process of acquiring a new AFM.

Also we are working on some webinars and other online content to be able to offer training and support while the situation remains in its current state.

[Contact us](#) and we will discuss options with you.

[View online events](#)

For our customers

Software updates

Please update your software to the latest version 3.8.8

- [C3000 controller software](#)
- [NaioAFM controller software](#)
- [CoreAFM controller software](#)



Featured story

Nanosurf is growing



Nanosurf is committed to helping our customers to get the most out of their AFM's. Towards this end we are continuing to add more team members to our sales, support and development teams. We have also doubled our office space in our Liestal headquarters. In addition, to better support our industrial customers, we have now established an industrial solution team led by Dr. Bjorn Pietzak. If you haven't met our AFM experts yet, check out our new team page.

Key employees added during the first quarter of this year include

Drew Griffin, Director of Sales, USA and Canada
Dr. Denis Vasyukov, Application and service scientist
Dr. Roland Sachser, Application and service scientist
Dr. Phillip Kobel, Senior Mechanical Engineer

[Check out our team page](#) to get to know all our AFM experts.

Product updates

New product: Alphacen 300



[Learn more](#)

Alphacen 300 is Nanosurf's first large sample AFM system with a fully accessible 300 x 300 mm sample stage. The Alphacen 300 can handle samples with a maximum size of 710 x 710 x 45 mm and maximum weight of 45 kg.

The flexible, easy to use software which allows for automated measurement over the entire 300 x 300 mm area makes it the perfect choice for industrial applications.

Updates from Applications & Support

Highlighted publication

AFM characterizes 3-D printed graphene electrodes:

3-D printing can now integrate nanomaterials such as graphene. In an application involving printed conductive electrodes for electrocatalytic sensing applications, AFM is used to explore the effect of electrochemical pre-treatment on the electrode's morphology and electrical properties with a Nanosurf FlexAFM. [Read more \(Dos Santos et al., Sensor and Actuators, 2019\)](#)

Highlighted publication

Scanning ion conductive microscopy (SICM) for simultaneous topographical and surface charge imaging

It is challenging to separate topography from surface charge in SICM using glass micropipette. A team at ETH from the group of Dr. Zambelli has demonstrated the use of FluidFM probes in combination with Nanosurf FlexAFM for simultaneous fast AFM topography and surface charge images of various films in polar environments. The independent nature of AFM feedback also unlocks a possibility to significantly increase the sensitivity for probing local surface charges in a wider range of salt concentrations. [Read more \(Dorwling-Carter et al., Analytical Chemistry, 2018\)](#)

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