



NEWS FROM NT-MDT

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Solver Next, the First Fully Integrated Dual Head AFM/STM, wins coveted 2009 R&D 100 award

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NT-MDT is proud to announce that its new Solver Next has received the coveted R&D 100 award for the first commercial scanning probe microscope featuring both Atomic Force Microscopy (AFM) and Scanning Tunneling Microscopy (STM) under one hood . This prestigious and long-standing annual award recognizes the top 100 new technologies from the past year, across a broad range of industries.

Built and priced especially for university labs and more routine industrial applications, Solver Next provides the flexibility and versatility of over 40 different measurement modes, without the need for advanced training required to run most scanning probe instruments. The full system, including sample loading, can be run remotely, making it ideal for telemicroscopy as well as hazardous environments such as nuclear facilities.

In another industry first, Solver Next runs Windows using the MAC hardware and operating system. MAC's have long been known for their exceptional image management and operating stability while the Windows platform is better known for the broad range of available applications. This system combines the best of both worlds. In addition, NT-MDT has cleverly added an iPhone MAC applet so that images, including dynamic 3D presentations, can readily be shared on-site or emailed to colleagues and fellow students. The applet also includes simple measurements such as length, depth, and average surface roughness.

Solver Next is specifically designed with simplicity in mind. The sample is placed on the scanning stage located between the two heads. With the click of a mouse, the head of choice automatically moves into position; the cantilever, laser and photodiode are automatically aligned; and the image is acquired. A second click of the mouse can switch from one measurement head to the other. An additional docking port supports a third microscope head, either for nanoindentation or measurement in liquid.

Solver Next will be on display this Fall at the Materials Research Society meeting (www.mrs.org) as well as the American Society for Cell Biology (www.ascb.org).

For more information, visit www.NT-MDT.com.

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Image attached: Solver Next, Winner of the coveted 2009 R&D 100 award, features the versatility of integrated AFM/SPM heads under one hood with the flexibility and stability of a unique, combined PC:MAC operating system.

NT-MDT has been supplying state-of-the-art scanning probe technology for over 17 years, specializing in hybrid instrumentation such as *NTegra Spectra*, the industry's first commercial, fully integrated AFM/Raman spectrometer [2005 R&D100 winner], *NTegra Tomo*, the industry's first fully integrated AFM/Ultramicrotome for nanotomography, and *NTegra Maxima*, NT-MDT's next-generation high-throughput AFM.

NT-MDT offers expert service and applications development through more than 20 representative offices and distributor centers around the globe, with two key branch offices in Holland and Ireland. In the past five years, our installed base has grown to over 2000 instruments, promoting growth of both lab and research programs world-wide.