

## **Press Release**

### **Infinitesima Ltd. Announces the Release of the VideoAFM™**

**Anaheim, California, 9<sup>th</sup> May, 2005** – Infinitesima Ltd. announced today that it will be debuting the VideoAFM™, the worlds first video-rate atomic force microscope, at the Nanotech 2005 trade and technology show.

The VideoAFM™ is the first atomic force microscope that is capable of delivering real-time images at video frame rates. With imaging rates up to 1000 times faster than conventional AFMs, the VideoAFM™ allows users to view and interact with molecular processes in real time. It can deliver full video at frame rates of 15 and 25 frames per second. The VideoAFM™ can view areas of 3µm by 3µm, with the viewing area able to be scanned across a surface in real-time.

The VideoAFM™ works in conjunction with existing AFM's without affecting their functionality. The VideoAFM™ also allows large surface areas to be explored before selecting features of interest for a more detailed investigation.

Research in areas such as polymer processes and biotechnology will be transformed by the VideoAFM™. Researchers will be able to view processes not previously observed. This technology will help unlock new areas in nanotechnology process development, facilitating the advancement of new markets.

Dr. Andrew Humphris, Chief Technology Officer and founder of Infinitesima commented, "The VideoAFM™ is the result of years of research and was designed around the needs of scanning probe microscopes. Several advancements in scanning probe technology have allowed its existence. We have already seen researchers making use of the video capability, but have only scratched the surface with respect to the capabilities of the instrument. I expect the VideoAFM™ to enable exciting breakthroughs in nanotechnology."

#### **About Infinitesima**

Infinitesima is located in central Oxford at the Oxford Centre for Innovation. Infinitesima Ltd. and specialises in developing advanced products for Scanning Probe Microscopy, the key enabling tools for nanotechnology. Additional information about Infinitesima Ltd. can be found at [www.infinitesima.com](http://www.infinitesima.com).

#### **Press Contact:**

Gemma Hayden

+44 (0) 1865 811 171

[info@infinitesima.com](mailto:info@infinitesima.com)