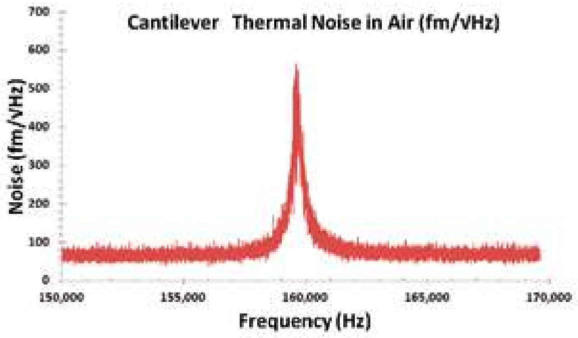
NanoMagnetics
Instruments

ezAFM™

Atomic Force Microscope

for Research, Education and QC Applications

- Innovative technology with superior performance
- Setup under an hour



Technical Specifications

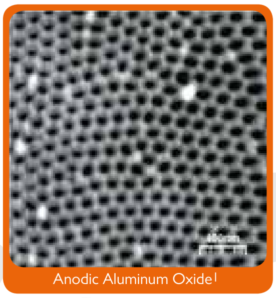
- Alignment free cantilevers, commercially available
- 120x120x40 µm or 40x40x4 µm scan range
- Contact, Dynamic/Phase Imaging, Lateral Force & MFM modes
- 65 fm√Hz noise floor
- 2µm resolution integrated optical microscope
- Full HD, 390x230µm FOV, 2,516x1,960 pixels, 30fps, video camera
- 24Bit ADCs/DACs
- Digital Feedback with FPGA/DSP
- Free software upgrades for lifetime
- Unlimited user license
- USB interfaces
- Sample Size, 10x10x5mm (Configurable for unlimited sample size)

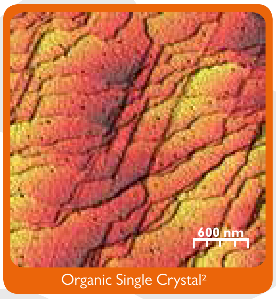
Extended Imaging Options

- Scratching Lithography
- Scanning Tunneling Microscopy (ezSTM)
- Liquid Cell

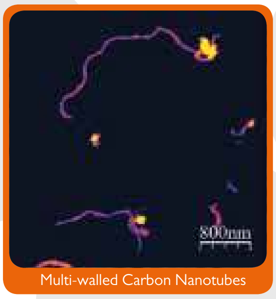
Accessories

- Signal Access Module
- 40 mm stroke XY motorized sample positioner
- 2 mm stroke XY manual sample positioner

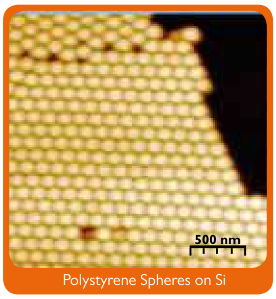

Anodic Aluminum Oxide[1]



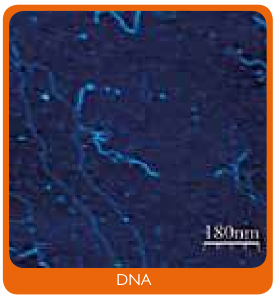
Organic Single Crystal[2]



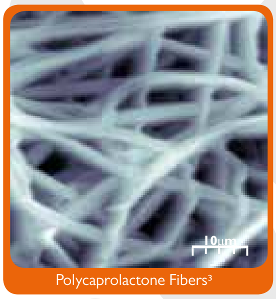
Multi-walled Carbon Nanotubes



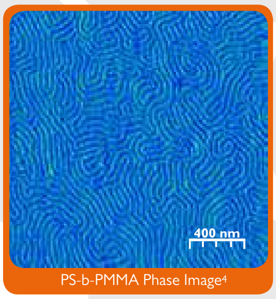
Polystyrene Spheres on Si



DNA

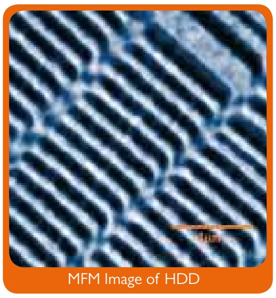


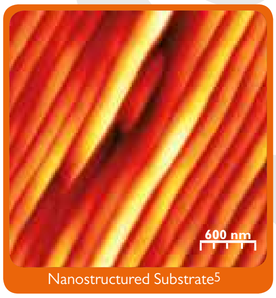
Polycaprolactone Fibers[3]



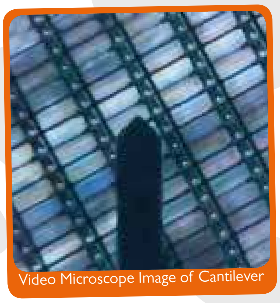
PS-b-PMMA Phase Image[4]

Red Blood Cells


MFM Image of HDD



Nanostructured Substrate[5]


Video Microscope Image of Cantilever

(1) Sample courtesy of Dr. Fatih Buyukserin, TOBB University (2) Sample courtesy of Dr. Yasuo Nakayama, Chiba University (3) Sample courtesy of Dr. Aylin Sendemir, Ege University (4) Sample courtesy of Dr. Serdar Onses, Erciyes University (5) Sample courtesy of Dr. Francesco Buatier, Genova University