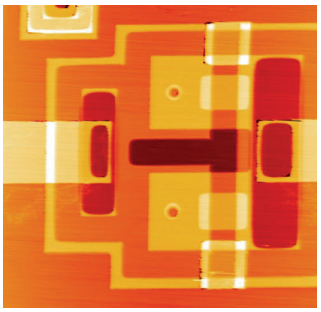
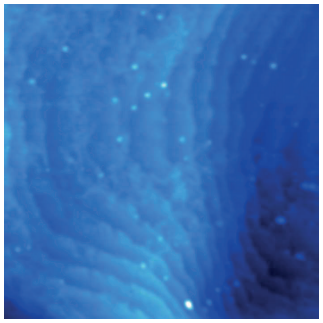
ezAFM™

Atomic Force Microscope
for Research, Education and QC Applications

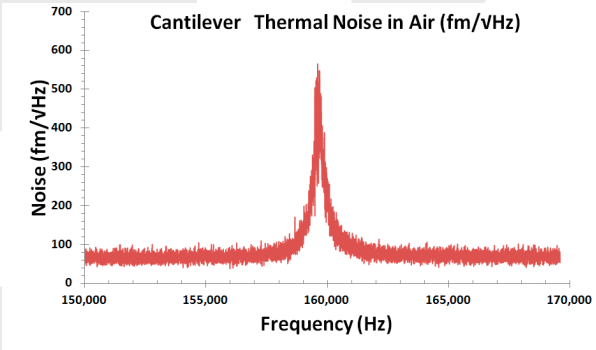
- Innovative technology with superior performance
- Setup under an hour
- Compact
- Portable

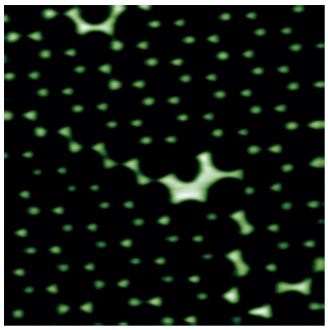


SQUID Sensor 45 x 45 µm



Etched Mica 2 x 2 µm





Polysttyren Litography
10 x 10 µm

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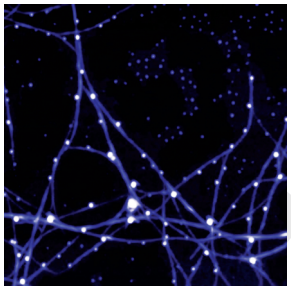
Technical Specification

- Alignment free cantilevers, commercially available
- 120x120x40µm or 40x40x4µm scan range
- Contact, Dynamic/Phase Imaging, Lateral Force & MFM modes
- 65fm/√Hz noise floor
- 2µm resolution integrated optical microscope
- 8MP, 390x230µm FOV, 3264x2448 pixels, 30fps, video camera
- 24 Bit ADCs/DACs
- Digital Feedback with FPGA/DSP
- Sample Size, 10x10x5mm (Configurable or unlimited sample size)
- USB interface
- Unlimited user license
- Free software upgrades for lifetime
- Side view camera

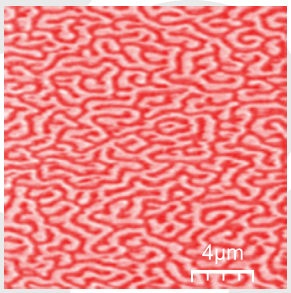


Carbon Nanotubes with Polymer 4 x 4 µm

Extended Imaging Options

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

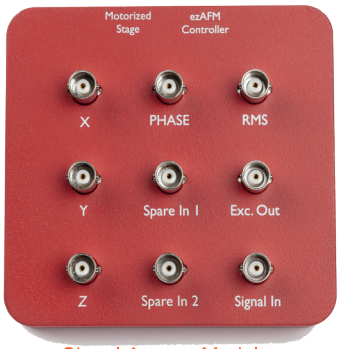
Aqua Head
Liquid Scanning with ezAFM



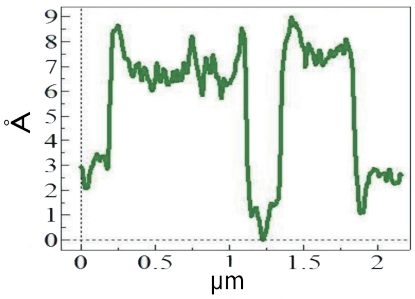
MFM image of Co-Pt multilayers

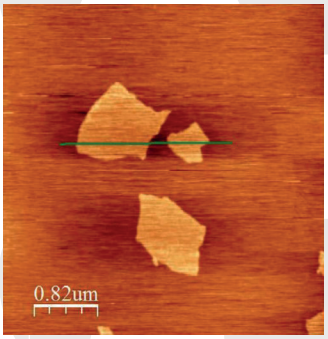
Accessories

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

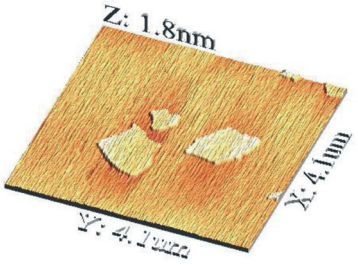


Signal Access Module





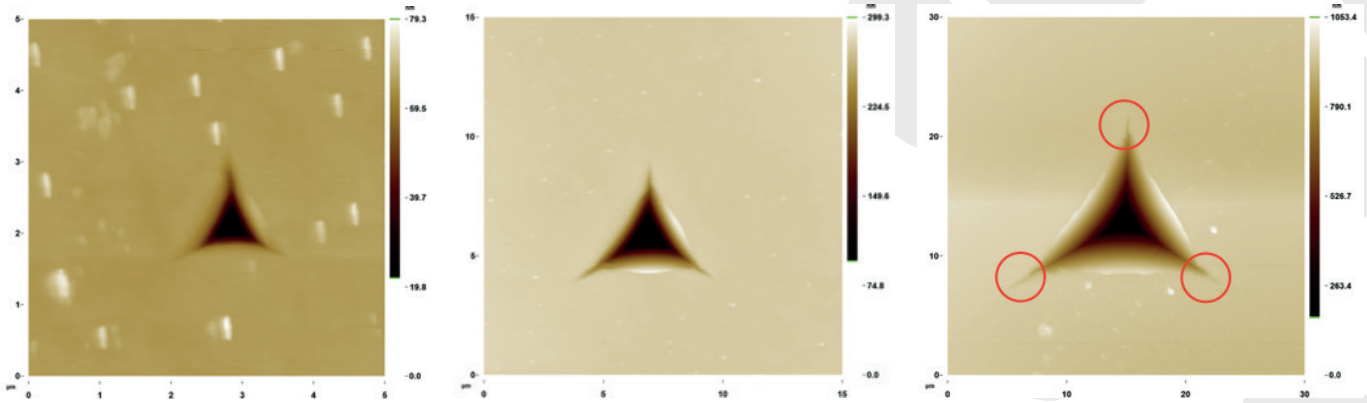
Single Layer Graphene



10 mN

100 mN

1000 mN



Nanointendation marks on Aluminium surface

*Every system will include one of the standard imaging modes. Further modes can be added optionally.

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