

EDUCATIONAL

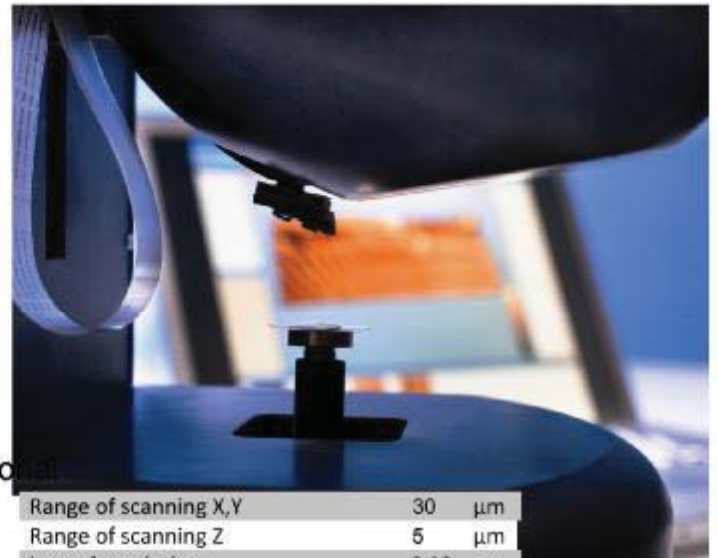
Scanning Probe Microscope(EDU)

Opens The doors for all the students and trainees to explore into the nano-world much earlier and easier than it used to be. imaging of atoms (if conditions for atomic resolution be ready), for STM Mode and imaging all kind of samples including biological samples , polymers , powders , tissue and metals nano scale by AFM modes as well. characteristics of nano structures, nano morphology of conducting and non conducting surface nano structuring by self organization and or self assembled mono or multi layer (SAM), can be seen by undergraduate students through their own hands-on operation.



Scanning Probe MICROSCOPE (EDU)

Featuring an innovative ergonomic design and improved electronics, this Scientific Microscope delivers atomic-scale resolution at a remarkably affordable price, making it an ideal choice for education as well as research. The NAMA-SPM(EDU) offers educators an exceptional choice for their students to many powerful SPM/AFM-STM techniques.



Range of scanning X,Y	30	μm
Range of scanning Z	5	μm
Lateral resolution	0.13	nm
Vertical resolution	0.05	nm
Scanning schema: Movable sample under stationary probe		
Scanner type: Piezo ceramic		
Maximum sample size	20	mm
XY Micro positioning stage	2.5	μm
Embedded video system: visualization on a PC connector via USB port from top and side.		
Scanner DAC/ADC resolution	16	bit



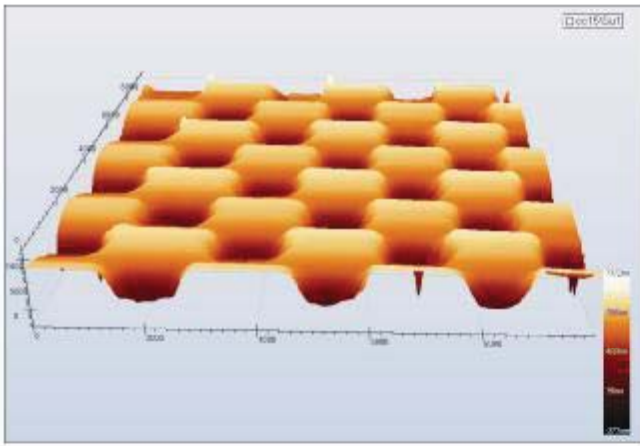
” Features

AFM Mode:

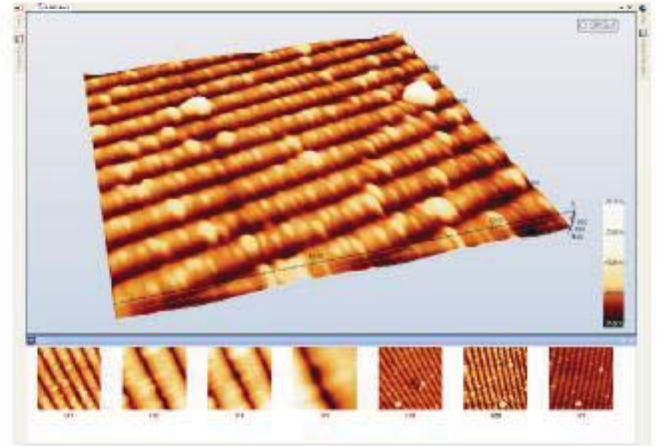
- Contact Mode (Constant Force and Constant Height Available)
- Noncontact Mode
- Semi Contact Mode
- Force Spectroscopy
- LFM (Lateral Force Microscopy)
- MFM (Magnetic Force Microscopy)
- EFM (Electrostatic Force Microscopy)
- PDM (Phases Detection Microscopy)
- FMM (Force Modulation Microscopy)

STM Mode:

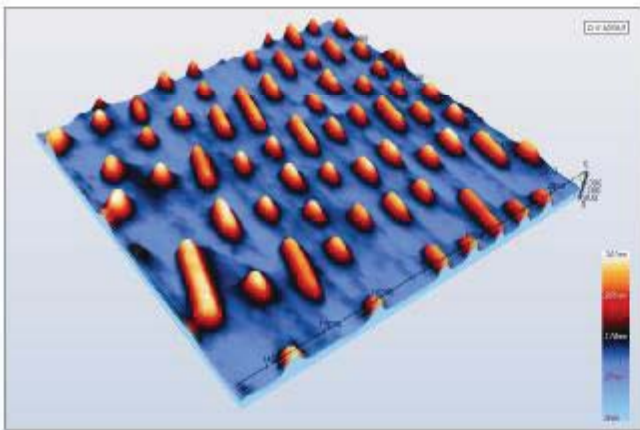
- Constant Height
- Constant Current
- Spectroscopy



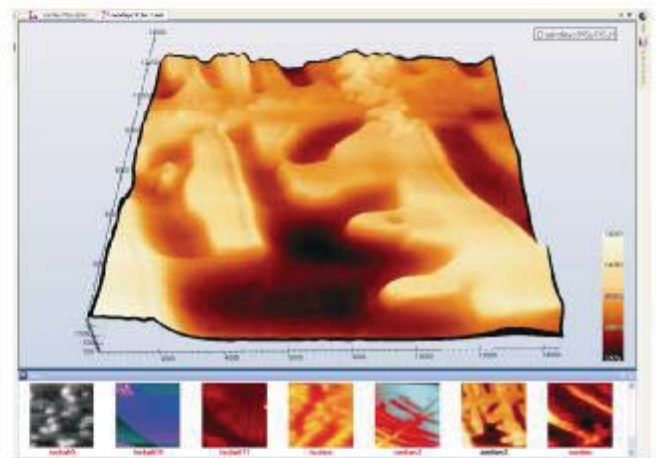
Calibration Sample



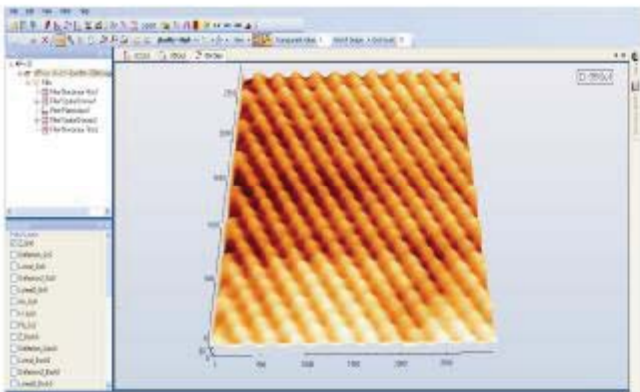
DVD Surface



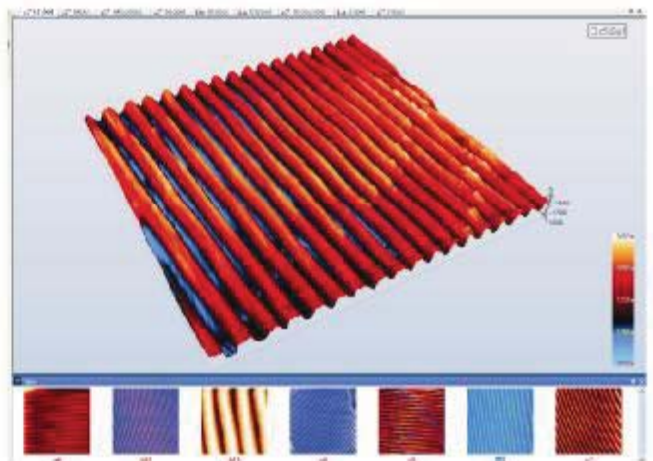
Calibration Sample



Peptide Scaffold



Calibration Sample



Calibration Sample



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