

About

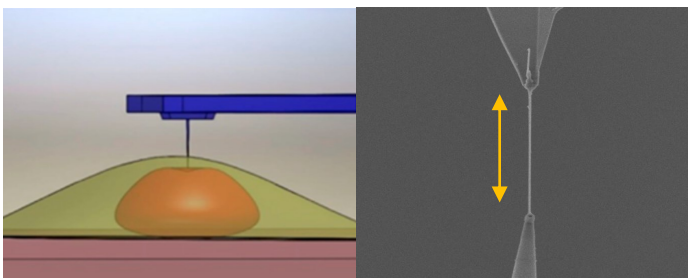
NMT Nano Mechanical Tester is compact platform that provides accurate micro-nanomechanical testing and topography imaging.

Features

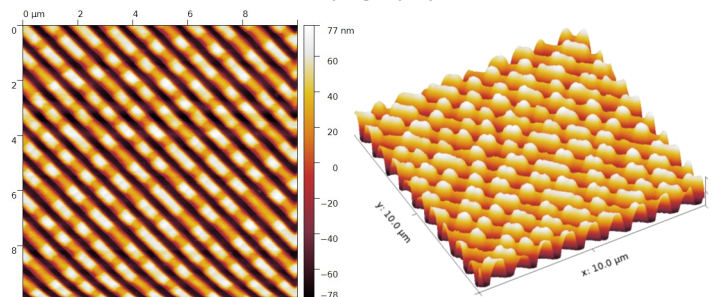
- Performs high resolution, high accuracy, high speed micro-nano mechanical testing
- Flexure-guided scanner allows topography imaging with nanometer resolution
- Versatile breadboard base allows quick and easy reconfiguration of test setup
- Various upgrades available to further expand the system capabilities

Operation Modes

Micro-Nano Force Measurements



AFM Topography Scan



Specifications

Manipulator (XYZ)	Motion Range	Up to 25 mm X 25 mm X 25 mm
	Motion Resolution	1 nm
	Position Sensor Resolution	1 nm
	Velocity	> 15 mm/s
Scanner (XYZ)	Motion Range	15 μ m X 15 μ m X 5 μ m
	Motion Resolution	0.1 nm
	Resonant Frequency (no load)	350 Hz in X, 250 Hz in Y, 1000 Hz in Z
Force Sensor	Force Resolution	Better than 5 nN (@1000 Hz)
	Force Range	+/- 250 μ N
	Bandwidth	5000 Hz

For additional information, please visit www.to-nano.com, or contact info@to-nano.com