



NANOMAGNETICS  
INSTRUMENTS

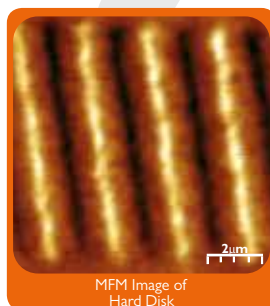
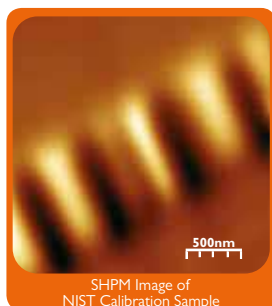
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# RT - SHPM

Room Temperature  
Scanning Hall Probe  
Microscope



## Quantitative & Non-Invasive Magnetic Measurements at Nanometer Scale



### System Specifications

- Imaging Modes** : SHPM, STM, AFM, MFM, EFM
- Scan Size** : 52 x 52 µm, linearised with 20 Bit resolution  
(Different scan sizes are optional)
- Z Range** : 4.8 µm (20 Bit resolution)
- Sample Approach** : 50 mm range, 0.5 µm resolution motorised Z stage
- XY Positioning** : 50 mm travel, 50 nm resolution motorised XY stage  
(Larger XY travel ranges are optional)
- Sample Size** : 100 x 100 x 50 mm maximum  
(Larger sample sizes are optional)
- Video Microscopes** : Integrated Microscopes  
Top view 2 µm resolution  
Side view 10 µm resolution  
Adjustable white light sources
- Large Area Scans** : 50 x 50 mm motorised SHPM scans for low resolution experiments
- Acoustic Isolation** : Special system for acoustic and thermal isolation (optional)
- Vibration Isolation** : 0.3 Hz cut-off in XYZ directions (optional)

Software upgrades are free for lifetime

Note: Specifications are subject to change without notice.