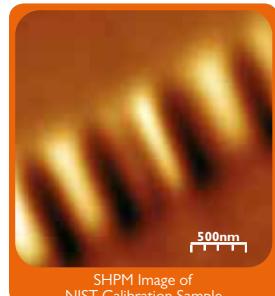
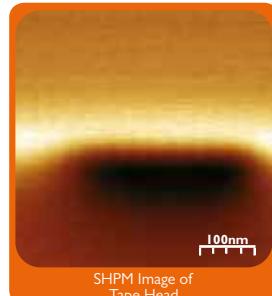
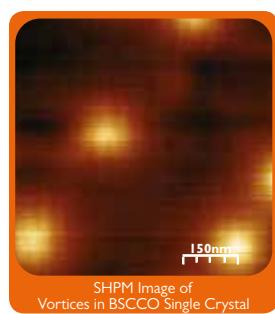
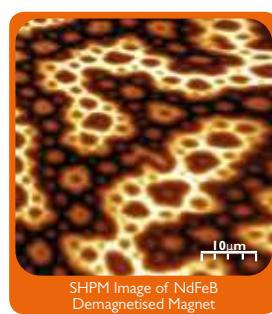
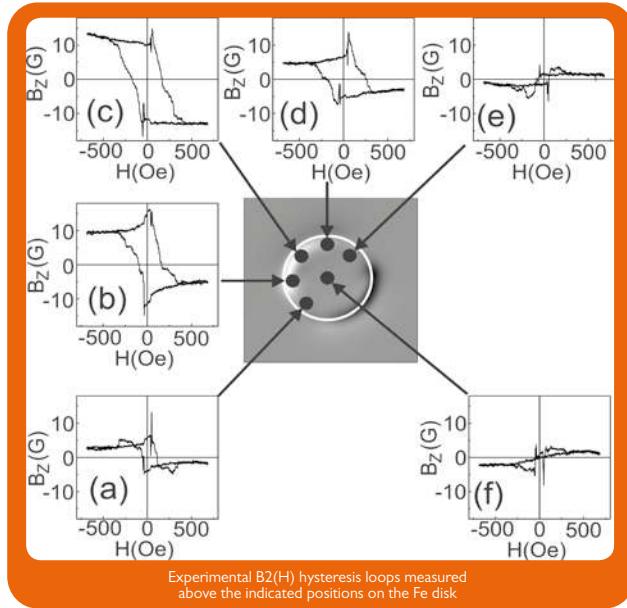


LT - SHPM

Low Temperature
Scanning Hall Probe
Microscope

A Unique Quantitative and
Non-invasive Instrument to
Image Surface Magnetic Fields
at Nanometer Scale



SHPM Image of
NIST Calibration SampleSHPM Image of
Tape HeadSHPM Image of
Vortices in BSCCO Single CrystalSHPM Image of NdFeB
Demagnetised MagnetExperimental $B_2(H)$ hysteresis loops measured
above the indicated positions on the Fe disk

System Specifications

Imaging Modes	: SHPM, STM, AFM, MFM, EFM, SNOM		
Scan Size	: Large Area Scan Head 150 x 150 μm @ 300 K 36 x 36 μm @ 77 K 18 x 18 μm @ 4.2 K	: Standart Scan Head 52 x 52 μm @ 300K 14 x 14 μm @ 77 K 6 x 6 μm @ 4.2 K	: Small Area Scan Head 8 x 8 μm @ 300 K 3.5 x 3.5 μm @ 77 K 1.5 x 1.5 μm @ 4.2 K
Z Range	: 7.0 μm @ 300 K 1.8 μm @ 77 K 0.8 μm @ 4.2 K	: 4.8 μm @ 300 K 1.2 μm @ 77 K 0.5 μm @ 4.2 K	: 2.4 μm @ 300 K 0.6 μm @ 77K 0.25 μm @ 4.2K
Head Dimensions	: 23.6 mm OD x 125 mm or 25.4 mm OD x 100 mm		
Sample Approach	: Stick-slip type; 10 mm Z, Ø3 mm XY range with 50 - 800 nm step size		
Sample Size	: 15 x 15 x 5 mm maximum		
Temperature Range	: 1 K - 300K for LT-SHPM (limited by the cryostat)		
Magnetic Field	: >16 T		

Suitable cryostats are also available

Software upgrades are free for lifetime

Note: Specifications are subject to change without notice.