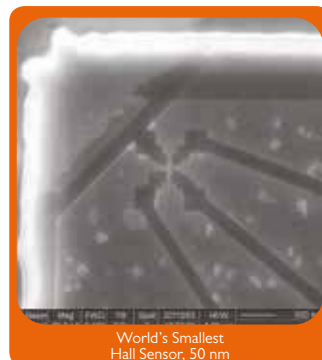




LT - SHPM

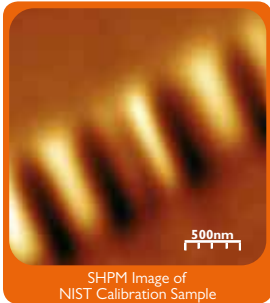
Low Temperature Scanning Hall Probe Microscope

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

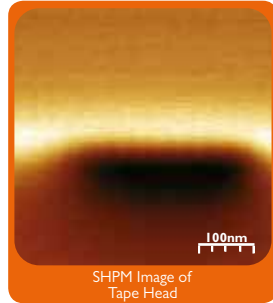


World's Smallest
Hall Sensor, 50 nm

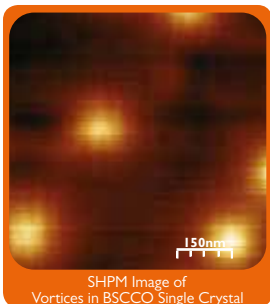




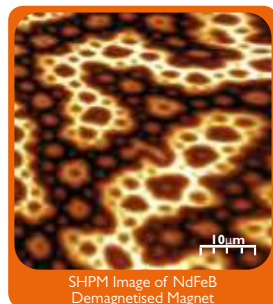
SHPM Image of
NIST Calibration Sample



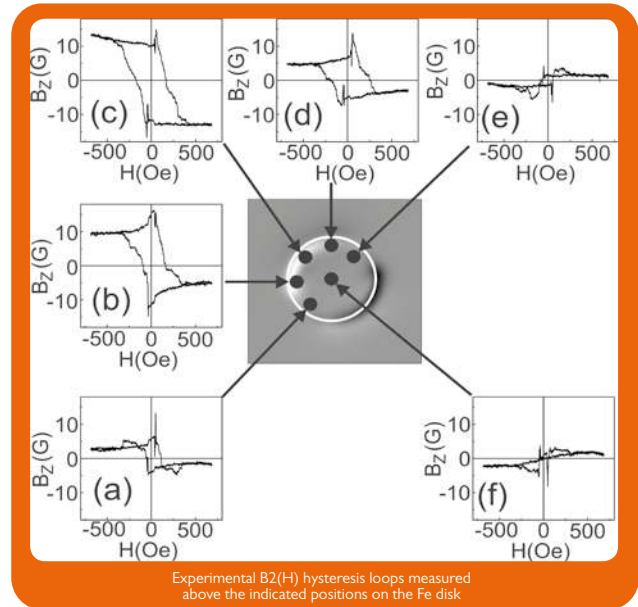
SHPM Image of
Tape Head



SHPM Image of
Vortices in BSCCO Single Crystal



SHPM Image of NdFeB
Demagnetised Magnet



System Specifications

Imaging Modes : SHPM, STM, AFM, MFM, EFM, SNOM

Scan Size	:	Large Area Scan Head	Standart Scan Head	Small Area Scan Head
		150 x 150 µm @ 300 K	52 x 52 µm @ 300K	8 x 8 µm @ 300 K
		36 x 36 µm @ 77 K	14 x 14 µm @ 77 K	3.5 x 3.5 µm @ 77 K
		18 x 18 µm @ 4.2 K	6 x 6 µm @ 4.2 K	1.5 x 1.5 µm @ 4.2 K

Z Range	:	7.0 µm @ 300 K	4.8 µm @ 300 K	2.4 µm @ 300 K
		1.8 µm @ 77 K	1.2 µm @ 77 K	0.6 µm @ 77K
		0.8 µm @ 4.2 K	0.5 µm @ 4.2 K	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.