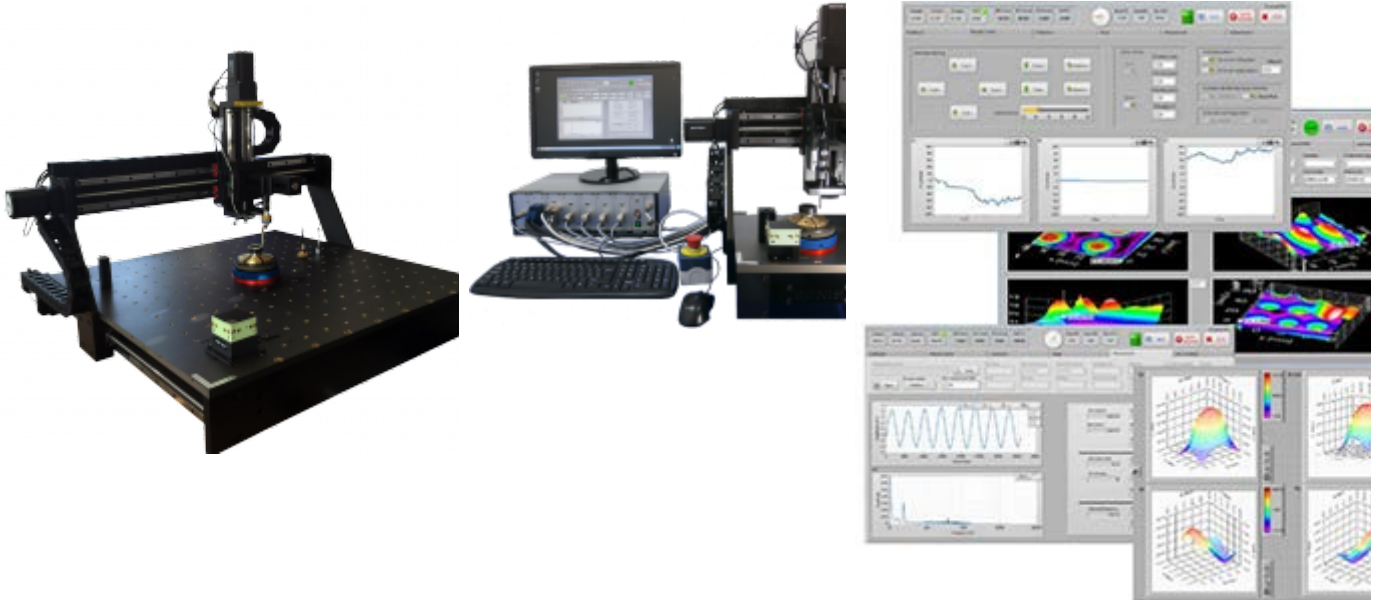


GMW Associates

High Speed, High Resolution Multi-Probe Magnetic Field Mapping System



The SENIS Magnetic Field Mapper can map dc and ac magnetic fields associated with permanent magnets and electromagnets. The base Field Probe is a unique three-component (Bx, By, Bz) Integrated Circuit (IC) with a sensing volume of less than 0.15 x 0.15 x 0.01mm, enabling very high position resolution field maps with selectable measurement field ranges from +/- 50mT to +/-2T, and frequency response from dc to 2.5kHz (25kHz optional). The Probe can be moved with 2um position resolution in any direction with a scanning speed up to 500mm/sec to generate a 3D map of the magnetic field, measure the dipole moment, count number of poles, calculate pole width and pole distribution for multiple magnets and rotors, measure magnetic angle, angle error, and field homogeneity. The integrated touch sensor combines Probe protection and Smart Probe connection enables easy interchange of Hall Probes, AMR Probes, Eddy-current Probes for crack detection, Sliding Probes for in-contact measurements, Multi-Probe Arrays, and a Mechanical Touch Stylus.

[Read More >](#)

Key Specifications

**We will feature the
Magnetic Field
Mapper at:**

CWIEME Chicago
(Coil Winding Expo)
October 3-5, 2017
Chicago, IL

The MMS-1A-RS will be on display at CWIEME. Please [contact us](#) you would like to see a demonstration field map of specific sample.

Magnetics 2018

February 8-9, 2017
Orlando, FL

- Component (Bx, By, Bz) Hall Probe for magnetic field amplitude and angle measurement
- Magnetic field measurement accuracy: 0.1%
- Selectable measurement ranges: +/- 50mT to +/- 2T
- Probe positioning accuracy: 2um / 0.02 degrees
- In-situ, automatic Bx, By, Bz and zero field calibration
- Easy probe interchangeability
- Customizable, user-friendly mapper software
- Scanning volume: 135 x 135 x 135 mm
(500 x 500 x 135mm option)
- Different probe geometries including very Thin and Sliding Probes
- Eddy-current Probe for crack and defect mapping

GMW Associates

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