# CUSTOMER REFERENCE

SENIS
magnetic & current measurement

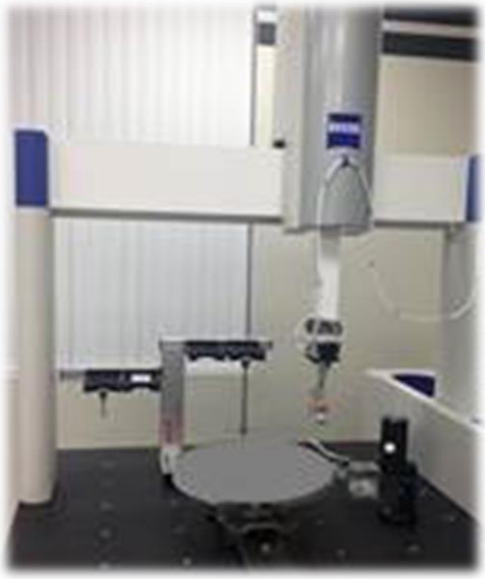
**SENIS AG, Switzerland** develops, manufactures and supplies advanced sensors and instruments for magnetic field and electric current measurement as well as the corresponding development and engineering services.
Our solutions and services help our clients in the automotive, consumer electronics, test and measurement industries, as well as to research institutes to create powerful, robust and effective products.

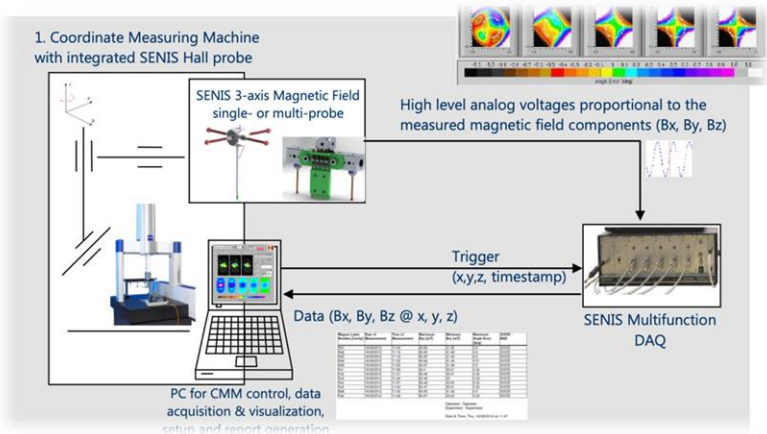
**SENIS® Magnetic Field Mapper System MMS-xl-CMM** combines a commercially available Coordinate Measuring Machine (such as ZEISS) with the SENIS magnetic-field- to-voltage transducer F3A and 3-axis Hall Probe. The SENIS Transducer is seamlessly integrated in the CMM

**SENIS® 3-axis Hall Probe** contains a CMOS integrated circuit, which incorporates three groups of mutually orthogonal Hall elements, biasing circuits, amplifiers, and a temperature sensor. The integrated Hall elements occupy very small area (150µm x 150µm), which provides very high spatial resolution of the probe. The CMOS IC technology enables very high precision in the fabrication of the vertical and horizontal Hall elements, which provides a high angular accuracy (orthogonality error < 0.1°) of the three measurement axis of the probe.

www.senis.ch

Technetics GROUP






**Technetics Group** (www.technetics.com) utilizes **SENIS Magnetic Field Scanning System** for QA. SENIS and Technetics successfully integrated the SENIS magnetic field mapping system into a Zeiss CMM (Coordinate Measuring Machine).
After a magnetic system is dimensionally measured, the magnetic field is mapped around the unit-under-test, providing in this way a 100% quality control equipment.