






PRECISION MAGNETIC MAPPING FOR **AUTOMOTIVE** EXCELLENCE

SENIS 
magnetic solutions

SENIS Mappers deliver unmatched accuracy for testing, measuring and characterizing rotors, motors and sensor magnets – powering the next generation of vehicles.

-  **COMPLETE MAGNETIC FIELD MAPPING**
3D vector field (Bx, By, Bz) measurement
-  **HIGH ACCURACY**
Detect subtle variations and ensure top performance
-  **QUALITY ASSURANCE**
Identify defects early and ensure consistent production
-  **R&D & OPTIMIZATION**
Validate designs, improve efficiency and reduce time-to-market
-  **TRACEABILITY & RELIABILITY**
Repeatable results for full traceability and compliance

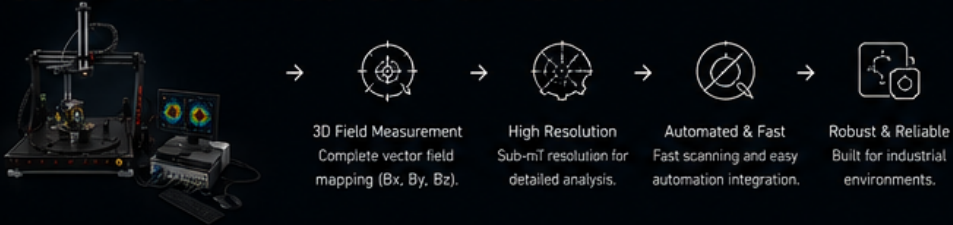


-  Sub-mT resolution
-  Wide dynamic range
-  Full 3D field measurement
-  Fast, automated scanning
-  Easy integration in R&D and production

SENIS MAPPER SOLUTIONS – ACCURATE. RELIABLE. AUTOMATED.

-  Detect asymmetries and magnet defects
-  Verify magnetization quality and direction
-  Measure PCB magnets and sensor assemblies
-  Optimize motor performance
-  Ensure functional safety and reliability
-  Support innovation in e-mobility

SENIS MAGNETIC MAPPERS – BUILT FOR PRECISION



PERFECT FOR:

- OEMs & Tier 1 Suppliers
- E-Mobility Innovators
- Motor & Sensor Manufacturers
- Research & Development Teams
- Quality & Test Engineers

APPLICATIONS IN AUTOMOTIVE

 <p>TRACTION MOTORS Measure and optimize permanent magnet rotors for maximum efficiency and power density.</p>	 <p>SENSOR MAGNETS Characterize magnets used in position, speed and angle sensors for reliable and precise detection.</p>
 <p>STARTER GENERATORS Ensure high performance and durability of rotors in start-stop and mild hybrid systems.</p>	 <p>E-MOBILITY COMPONENTS Validate magnets and motors for EVs, including inverters, pumps and actuators.</p>
 <p>QUALITY CONTROL IN PRODUCTION 100% inspection capability for consistent quality and reduced scrap.</p>	 <p>DESIGN & SIMULATION VALIDATION Accurate measurement data for validating simulations and improving electromagnetic design.</p>

KEY BENEFITS

- | | | | | |
|--|---|---|---|---|
|  <p>IMPROVE EFFICIENCY
Optimize motor and magnet performance</p> |  <p>REDUCE COSTS
Lower scrap rate and warranty claims</p> |  <p>SPEED UP DEVELOPMENT
Faster validation and shorter time-to-market</p> |  <p>ENSURE SAFETY
Meet functional safety and industry standards</p> |  <p>DRIVE INNOVATION
Enable next-gen mobility solutions</p> |
|--|---|---|---|---|

"PRECISE MAGNETIC DATA FOR BETTER MOTORS, RELIABLE SENSORS AND SMARTER VEHICLES."




SENIS 
magnetic solutions


SWISS ENGINEERING. GLOBAL IMPACT.

Empowering the automotive industry with precision magnetic measurement.

 SWISS QUALITY

 ENGINEERED IN SWITZERLAND

 GLOBAL SUPPORT

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