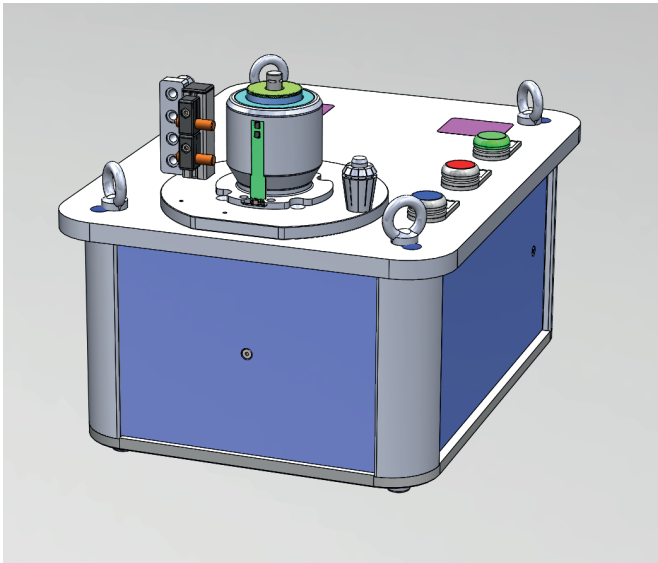


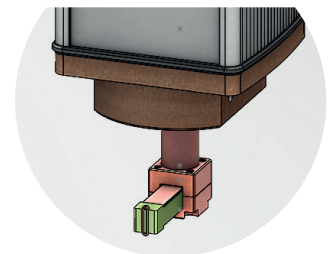
OUR NEW PRODUCTS AT COILTECH 2026

ELSOTEST® A06 Angle-Based Flux Density Measuring device



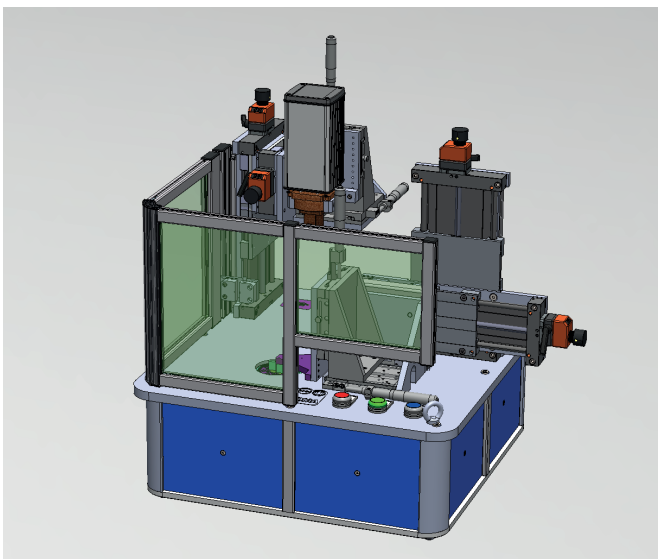
- Flexible & precise: Measurement of the direction and magnitude of magnetic flux density with angular resolution over 360° (including partial angles) at high resolution.
- Modular and user-friendly: A versatile device for a wide range of measurement tasks with an intuitive PC interface – no expert knowledge required.
- Customized design: Custom software evaluates exactly the relevant parameters (number of poles, amplitudes, minima/maxima, harmonic spectra) and automatically makes pass/fail decisions.
- Reproducible & networked: Consistent starting position even after a restart; multi-channel measurements via a bus system with up to 4 sensors simultaneously.
- Compact and production-ready: Space-saving design with digital I/O interfaces (24 V), emergency stop control, and an electromechanical clamping device for use in automated production lines.

ELSOMAG® IIM4k Intelligent Impulse Magnetization Head



- Highest magnetizing field strengths: Fields up to 4200 kA/m (at a pole length of 1 mm) for reliable magnetization of ferrites, NdFeB, SmFeN, or SmCo.
- Programmable current profiles: The 32-bit microcontroller enables custom current curves – for more precise pole patterns and optimized magnetization results.
- Power supply-independent operation: An integrated voltage regulator replaces the separate precision power supply – saving costs and reducing installation effort.
- Precise current measurement & traceability: Integrated current sensing measures and records pulse currents up to 4000 A – for comprehensive quality documentation.
- Modular, scalable system: Its flexible design easily adapts to different magnetization tasks and scales with production.

ELSOMAG® SL01 Rotary Magnetization Machine



- Benchtop unit for prototypes and small-batch production: A compact desktop system for multipole ring magnetization – ideal for encoder ring magnets in development and small-batch production.
- Modular design: The scalable configuration accommodates a wide range of diameters (20 - 300 mm) and heights (15 - 200 mm), as well as multi-track magnetization.
- Integrated IIM4k impulse head: High field strengths for a wide range of magnetic materials – from ferrite to high-performance rare-earth magnets such as NdFeB or SmCo.
- Measurement and magnetization in a single device: Write magnetic patterns and measure quality without retooling or separate measurement equipment.
- CE-certified & ready for production: Compliant with European safety standards – ready for immediate use in manufacturing and laboratory environments.