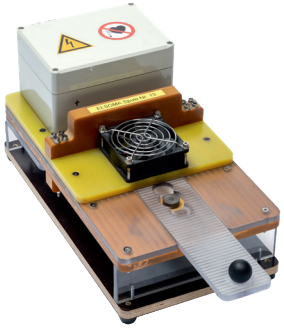
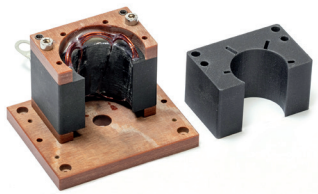
OUR CORE COMPETENCES ARE THE BASIS FOR OUR PRODUCTS

We **simulate and calculate** realistic magnetisation solutions, have over 30 years of experience in the **magnetisation of hard magnetic materials** of all kinds, build **measuring instruments with uncompromising accuracy**, are a **reliable partner for contract magnetisation orders** and think constructively and economically for small and large-scale **automation solutions**.

Modular, portable flux density meters

Angle-based flux density meters





Energy-efficient magnetisers

Bernd Böhle / Managing Director

„We offer convincing solutions and are by your side as a competent partner in the development and production of magnetic systems.

Convince yourself, we are looking forward to your enquiry!“

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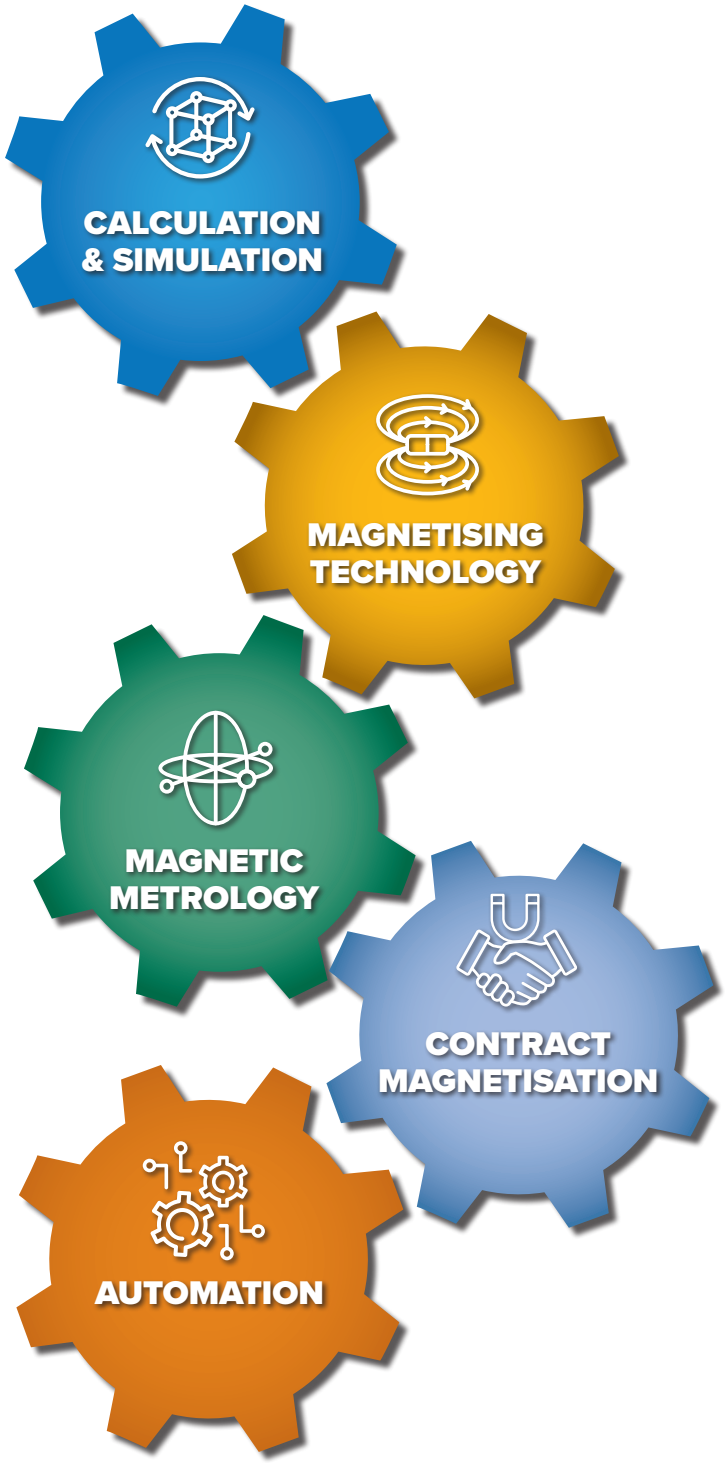
ELSOMA

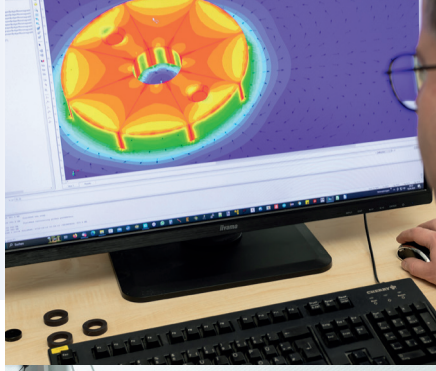
BETTER MAGNETS

MAGNETISATION TECHNOLOGY, MAGNETIC METROLOGY & MORE



CALCULATION & SIMULATION

We support our customers from the very beginning of the development process by means of magnetic calculations and simulations. We use the most modern software tools to test the magnetisability of components and to design multi-pole magnetising devices for specific customers and applications.

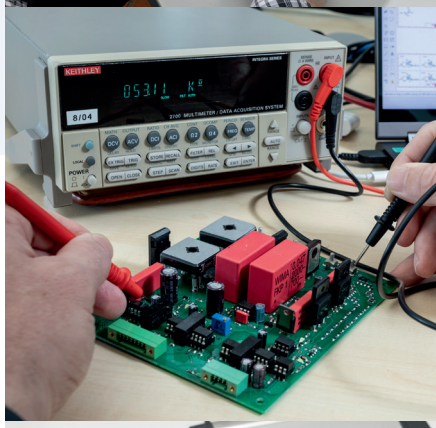


MAGNETISING TECHNOLOGY

We develop magnetising devices for magnetising and calibrating isotropic and anisotropic magnetic materials. Even highly coercive SmCo or NdFeB components can be magnetised quickly, precisely and energy-efficiently. We are particularly specialised in magnets for sensor and switching applications.

MAGNETIC METROLOGY

We develop magnetic measuring devices for the precise measurement and assessment of magnets for incoming or outgoing goods inspections as well as for service use. Compact, portable solutions fulfil a variety of measuring tasks with high accuracy and speed. We calibrate the measuring instruments ourselves in our well-equipped measuring laboratory.



CONTRACT MAGNETISATION

We offer contract magnetisation for all common hard magnetic materials, such as materials, e. g. AlNiCo, ferrite, SmCo or NdFeB. We can produce axial or radial fields for different component geometries and are happy to determine the magnetic parameters by means of hysteresographs or 3D magnetic field scans according to customer requirements.

AUTOMATION

We support our customers in the step towards series production. We have many years of experience in the development of automated magnetising and measuring systems in both the automotive and industrial sectors.