

BE SURE OF PERFECT RESULTS.

BROCKHAUS
MEASUREMENTS



Laboratory with all BROCKHAUS products
for measurements acc. to IEC 60404 ff. and
other international standards



Calibration laboratory accredited
acc. to DIN EN ISO/IEC 17025:2018

Measurements as a service

- Measurements of hard and soft magnetic materials, e.g. electrical steels, amorphous materials, powder composites, stators, rotors, magnetic assemblies
- Calibration of material samples
- Calibration and re-calibration of measuring instruments
- Reference samples calibrated in our calibration laboratory accredited acc. to DIN EN ISO/IEC 17025:2018 (Epstein and sheet samples 500 x 500 mm)

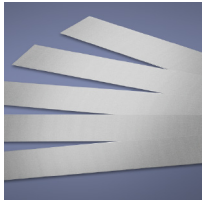


Measuring Technology for Hard and Soft Magnetic Materials

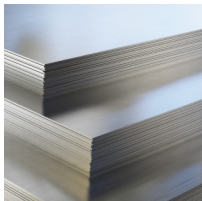
Measuring & Calibration Service

Measuring, testing, calibration in the BROCKHAUS laboratory

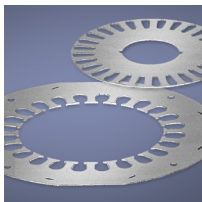
Soft magnetic materials



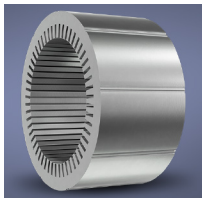
- All measurements acc. to IEC and other international standards like ASTM, JIS, e.g.
 - Epstein testing acc. to DIN IEC 60404-2:2008-06**
 - Sheet samples 500 x 500 mm acc. to DIN IEC 60404-3:2010-04**
 - Ring core measurement acc. to IEC 60404-4 (Electrical Steel Tester MPG 200 D*)



- Coercive field strength of magnetic materials in an open magnetic circuit acc. to IEC 60404-7 (Coercimeter CFT 200*)
- Franklin Test acc. to IEC 60404-11 (Franklin Tester FT 600*)



- Individual measurements on single laminations, stripes, sheets and rings (MPG 200 D* with Epstein frame, Single Sheet Test sensor SST and ring sensor)



- Measurements under special treatments like tension/pressure or different temperatures (Single Sheet Test sensor SST*)
- Ring and stator measurement in various production stages (Stator Tester BST-M, BST-L*)



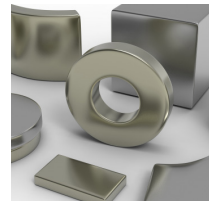
- Stator core measurement via different stator segments comprising teeth and sections of back iron (relative magnetic properties in teeth) (Stator Tester BST-L*)
- Single-tooth measurement of stators (MPG 200 with ECL sensor*)
- Magnetostriction measurement (Magnetostriction Tester MST 500*)

Hard magnetic materials

- Measurement of permanent magnets in an electromagnet acc. to IEC 60404-5 (Hystograph HG 200*)
- Measuring under temperature in the range of -45°C up to 200°C (Hystograph HG 200*)



- Individual measuring setup of testing rotors with permanent magnets (Rotor Tester RMA 01*)



- Measurement of magnetic flux density, field strength and magnetic stray field by scanning the magnetic surface of permanent magnets and rotors (Field Scanner XYZ-RMA*)



- Measurement of the magnetic moment and angle error of magnetic axis vs. mechanical axis (Fluxmeter system F10-3D*)

- Eddy current losses test (MPG 200 with ECL sensor*)

- Magnetizing service (Magnetizer MAG 2000*)

* BROCKHAUS device used for the measurement

** also available in our calibration laboratory accredited by DAkkS acc. to DIN EN ISO/IEC 17025:2018

**Please visit our website
for all technical details
and direct contact:**

