BE SURE OF PERFECT RESULTS.





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*)



 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*)





(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)

Ring and stator measurement in various production stages

(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:



BROCKHAUS MEASUREMENTS

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