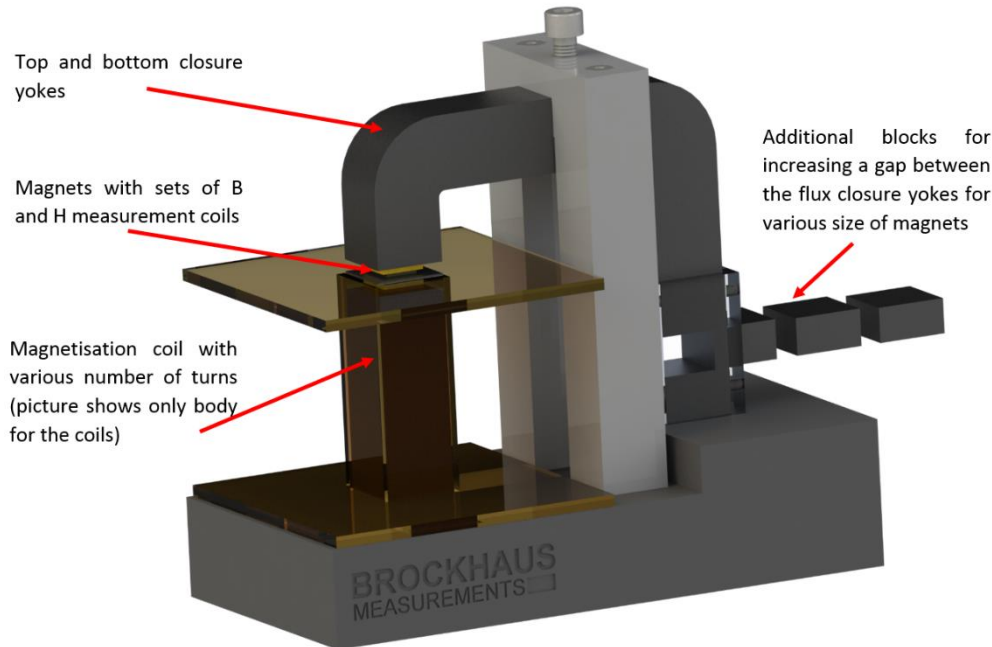


# Eddy Current Loss in Permanent Magnets Tester



- **System Description:**

The setup generates AC or AC with DC bias magnetic field and measure eddy currents in permanent magnets with various dimensions. The system includes 3 different yoke blocks to adjust the height of the air gap dependent on the thickness of the magnet. Also an increase of a temperature in the magnet due to induced eddy currents is monitored by a thermocouple.

- **Magnetization Conditions**

- Sinusoidal flux density  
Frequency range: 1 Hz - 20 kHz

- **Sample Type:**

- Suitable for characterisation of various types of magnets, such as NdFeB, SmCo, Alnico

- **Additional sensors**

- Monitoring of magnet temperature

- **Potential Application**

- Automotive
- Wind Turbine