By the way, you already know our industrial grade accredited inspection services?

- Accredited laboratory in line with DIN EN ISO / IEC 17025, to qualify and validate new non-destructive testing (NDT) processes for industrial applications
- Accelerated time-to-market and opportunity for qualified, norm-compliant deployment in industrial applications as well as for complete new in-house developments or custom adaptation of innovative NDT technologies, even in fields where norms have not been established
- Certification of the corresponding quality management system in accordance with DIN EN ISO 9001

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Applications

- Determination of hardness, case depth, tensile strength, yield strength, breaking elongation, residual and load stresses
- Test for mixed-up components
- Determination of dross in cast materials
- Area scans with up to 8 sensors and concurrent detection of local material property deviations
- Inspection of assemblies and components parallel at several positions
- In-line real-time measurements in production processes

Features

- Test method: 3MA with variants of
  - Analysis of upper harmonics
  - Analysis of eddy current impedance
  - Analysis of eddy current incremental permeability
- Number of sensors: 8 sensors per device maximal, 3 sensors per device by default, parallel operation
- Magnetization frequency: 10 Hz – 1000 Hz
- Eddy current test frequency: 100 Hz – 20 kHz
- Measuring velocity: identical with magnetization frequency (e.g. 100 measurements per second in case of 100 Hz magnetization frequency)
- Support for different sensor dimensions (inter alia huge sensors for sheet inspection or miniature sensors for microscopic applications)
- Easy calibration for o.k. / n.o.k. distinction
- Port for incremental position sensor
- Digital and analog I/O optional
- 3MA sensors at hand can be used with an adapter