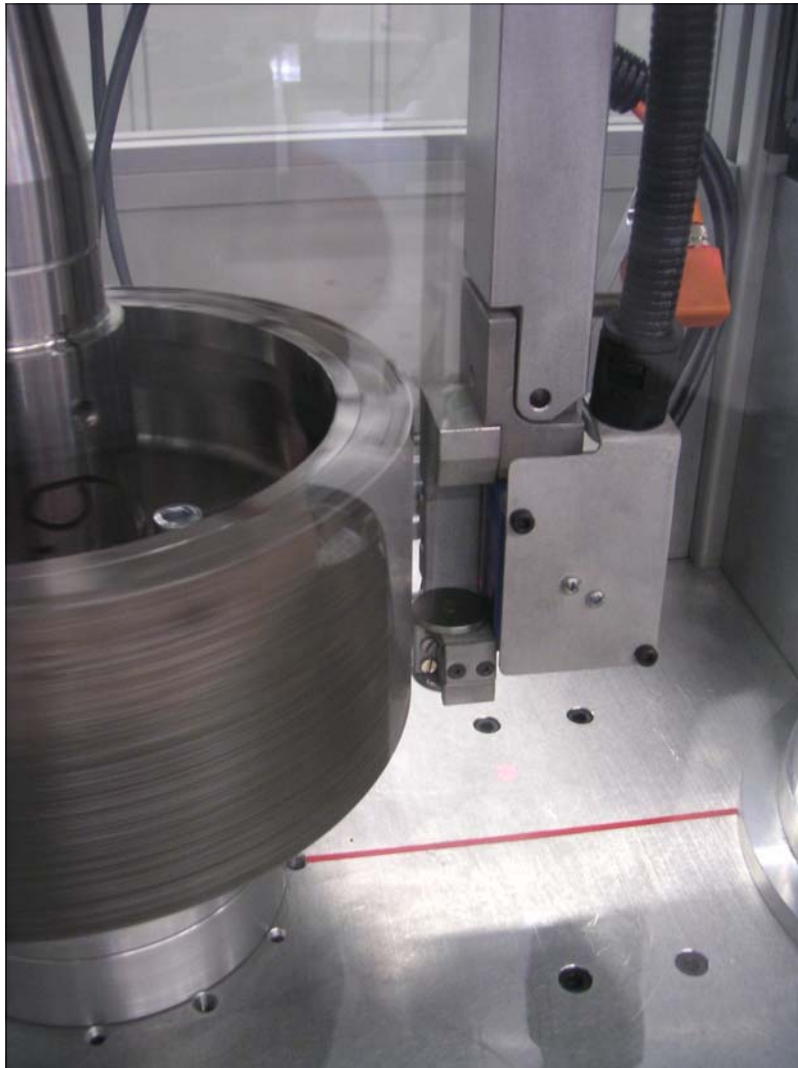


PMA 300d

PM-Rotor Quality Analyzer



Introduction

The PM-Rotor Quality Analyzer has been designed to enable automatic scanning of the magnetic induction of rotors with permanent magnetic poles. After placing the test rotor into the test station and starting the test, the sensor automatically moves towards the rotor and the rotor is rotated while scanning. The magnetic induction is measured in all 3 dimensions along the surface of the rotor. The measured values are automatically stored in an Access Databank and additionally exported to an Excel spreadsheet. Processing and evaluation of the test results are performed in Excel. Powerful Macro functions are available for presentation of test results in 3D and 2D graphics and automatic evaluation of the test results with programmable limits.

Features

- Automatic magnetic scanning of PM Rotors, suitable for inside as well as for outside rotors.
- Wide range of application up to rotor OD and rotor length of 300 mm.
- Automatic Setup of test by selection of Master Parameter file of the test rotor. No limit for number of Master Parameter Files (rotor type).
- Programmable resolution in axial direction up to a max. of 80 scanning rings. High resolution of 512 measurements per rotation.
- Cycle time of 7 sec. per scanning ring.
- Reasonable rotor specific adapters for accepting rotors with or without shaft.
- Easy change of setup to test different rotor type.
- Storing of test data in an Access Databank and export to an Excel Spreadsheet.
- Powerful Macro functions for analysis and evaluation of test rotors.

PM-Rotor Quality Analyzer

When you need to have details of your PM-Rotor design!

