

Gear Up Your Quality Control

RoboScan – automatic Barkhausen Noise inspection system for gears – from small car transmission gears to large windmill gears

RoboScan system greatly improves grinding quality control of gears and reduces labor time and cost. The system provides grinding inspection based on Barkhausen Noise with minimum operator involvement. Gears are loaded into the system, and the robot takes care of the measurements. Many different surfaces can be measured effectively as the robot selects and uses a variety of sensors automatically. All results are documented on a PC and displayed on the monitor.



SOLUTIONS AND INSTRUMENTS FOR

- Automated grinding burn detection systems
- Automated heat treat defect detection
- X-ray diffraction and Electron speckle pattern interferometry (ESPI) for residual stress measurements
- X-ray diffraction for retained austenite measurements



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