Automated Encoder Wheel Certifier Machine

The machine after installation, ready for measurement

After setup, measurements are automatic

Benefiting from the thorough understanding of magnetic measurements, the HEPENIX WSS Encoder Wheel Certifier ensures the quality of the encoder wheels used in the development and production testing of wheel speed sensors.

The development and design of the machine was conducted in close cooperation with the intended users, thus the final concept combines precision measurements with everyday practicality.

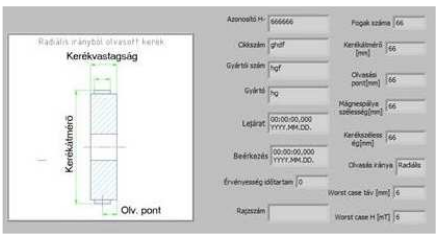
ADVANTAGES

- Standalone automatic industrial design
- No supervision required
- Axial and radial wheel types are both supported
- Automated geometry measurement for excellent final precision with known wheel runout and airgap
- Dual-head design with MR and Hall sensors for different ranges of field intensity
- Printed certificate of calibration auto-matically generated for the wheel
- Ergonomic design
- Measurement tasks are stored in a database for easy retrieval

TECHNICAL INFORMATION

- Standard encoder wheel sizes in mm: 97 (axial) – 110 (radial)
- 5µm-precise tables and high-speed servo drives for the required 0.05 mm result grid
- Sampling 1.25MS/s at 16 bit
- Supported measurements: geometric and magnetic runout, single and summarized pitch error, field-intensity, flipping, first missing tooth distance
- Measurement protocol includes Field intensity – distance graph, single and summarized pitch error vs. distance graph, SOAR graph, tests results agianst remarkable field lines
- Energy: 230VAC and 6 bar air required
- Numerous options including email notification

Intuitive screens lead through the compilation of wheel data and measurement tasks. Results are also presented in a straightforward manner



Please contact us for further details. Specialty design are also available upon request.
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