

Rotary Inspector

5-axis machine tool metrology

Five-axis machining is changing the face of advanced manufacturing. Monitoring and control of the accuracy of your machine is critical to deliver the performance benefits. The Rotary Inspector is designed to determine (and correct) critical performance parameters. It provides a simple approach to ensuring the geometric and dynamic performance of the machine.

At a glance

- 5-axis dynamic measurement (ISO 10791-6)
- Measurement time < 1 min
- Q-value: Geometrical error
- P-value: Surface and form error
- Standard quality report
- Simple but intelligent measurement software
- Status & trend data: machine, group, cell or factory level
- Compensation option

5-Axis machine accuracy

Based on standard ISO measurements the Rotary Inspector delivers fully automated measurement in less than a minute to derive the total 5-axis machine tool accuracy. It also calculates the pivot line offsets and squareness errors. A standard quality report is produced, simplifying in-house quality management of machines as well as providing an auditable document of the machine status.

Management Oversight

The optional Rotary Inspector Data Manager module provides an overview of the history and current status of all machines integrated into the Rotary Inspector quality procedure. Machines can be monitored at a group, cell or factory level. This provides instant feedback on the status of the installed 5-axis machine base – for improved scheduling, reduced errors and customer compliance.



Leading manufacturers, from aviation to medical markets, have adopted the Rotary Inspector as their standard for 5-axis machine tool quality control.

“I’m a big fan of the probe. Calibration of our 3 axis rotary table would have simply been impossible without it.”

J.T., Automation Technical Specialist, Rolls-Royce

Interested? Please contact our specialists.

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