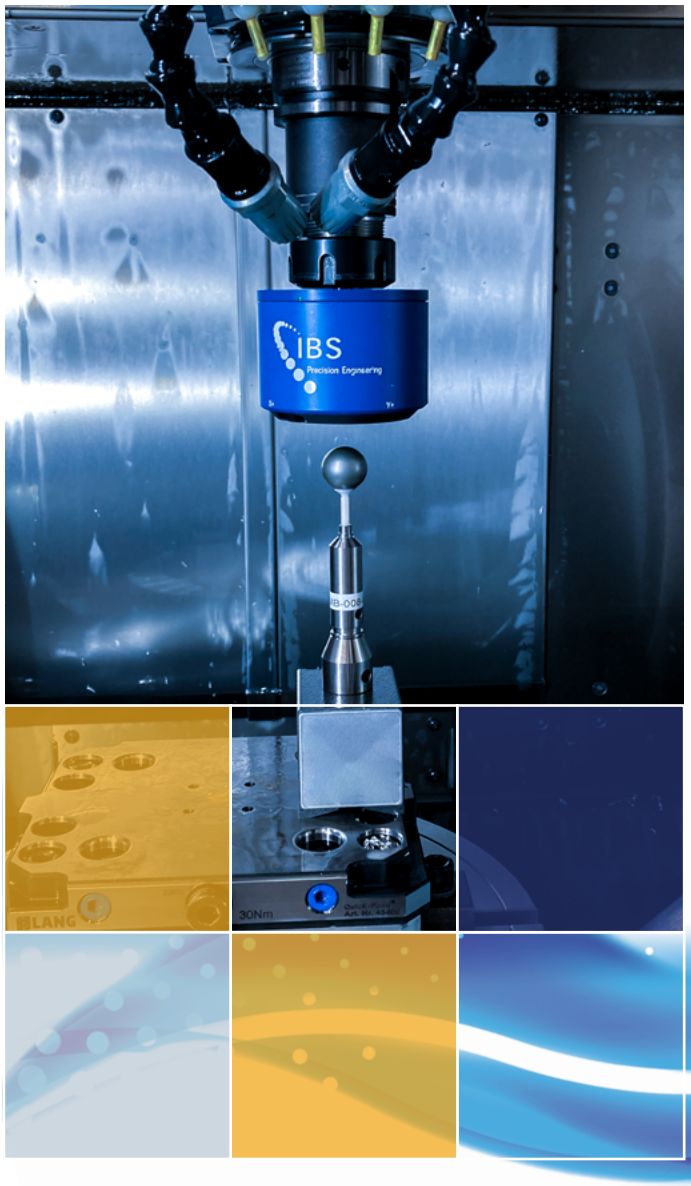
Rotary Inspector & Analyser
Software update

Our machine tool Inspection and Analyzer series offer a range of products to provide peace of mind and control by guaranteeing your machine is within specification. For precise measurement, rapid results and tangible improvements, a series of six options provide solutions for measuring the accuracy of the linear axis, rotary axis and spindle.



Benefits

The latest Rotary Inspector & Analyser software update leads to a shorter and simplified installation process which includes automated masterball position determination via the NC-codes. Combined with an automatic spindle alignment function, this allows you to install the first machine in just minutes With an extended machine database to a total of 23 standard configurations, the software accommodates even the most complex inclined machines. In addition, an inclined axis calculator is now fully built into the software, enabling simple determination of compensation data. The same goes for integrated manuals and automated measurements reports via email for remotely checking the outcome.

Results

This update delivers an increase in speed and simplicity for linear and rotary axis measurement while maintaining traceable micron accuracy measurement to ISO standards. One minute measurement and one micron accuracy results.

What is a Rotary Inspector/Analyzer axes test?

The Rotary Inspector consists of a master ball that is placed on the machine table and a wireless measurement probe inserted in the spindle. The machine is commanded to rotate the first rotary axis whilst two linear axes follow. The probe in the spindle represents the tool path and the master ball the workpiece. The probe measures the relative positioning error in X, Y and Z directions at the Tool Centre Point (TCP). This 3-axis test is repeated for the second axis followed by a full 5-axis test. Rotary axis pivot line and squareness errors are measured plus the 5-axis volumetric and dynamic errors over the full 3D volume of the machine. Automatic compensation is available as an option. The Rotary Analyzer supports user defined 3-, 4- or 5-axis tests. For more information visit www.ibspe.com/machine-qualification.

Interested? Please contact our specialists.
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