

Spindle Check

Machine tool metrology

Spindle performance critically defines the quality standards achieved by machine tools. As manufacturing enters the Industry 4.0 era, faster and more intelligent metrology is required. Spindle Check is designed to determine critical spindle performance parameters. It provides a simple and fast approach to measuring the spindle performance of your machine.

At a glance

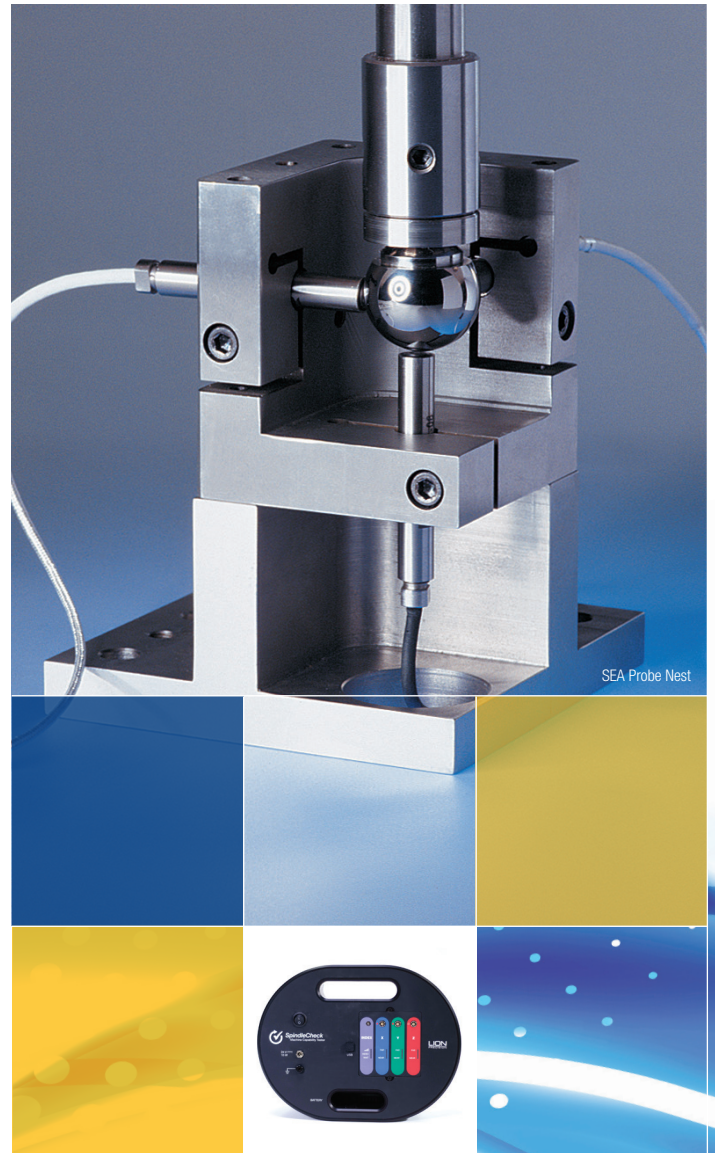
- Real time spindle motion quantified
- Sub-micron to nanometer accuracy
- Thermal, vibration and environmental effects made visible
- Frequency dependent testing
- Designed for fast and simple implementation

Machine spindle accuracy

With the Spindle Check total error motion measurements give the general condition of a spindle and a quick comparison of the condition of spindles on multiple machines. Run out data informs performance which effects the diameter of holes and straightness of cuts. Vibration errors can be linked to surface finish issues. Quality reports are provided, simplifying in-house quality management of machines as well as documentation of the machine status.

Managing performance

For the Production Engineer, Spindle Check quickly proves with data the overall condition of a spindle. It determines a machine's best and worst operating speeds and identifies potential root causes of issues. For the Plant Manager it defines the best machine for the job and minimizes unnecessary spindle rebuilds or replacements.



Intelligence made simple
Spindle Check

Interested? Please contact our specialists.
www.ibspe.com info@ibspe.com +31 (0)40 290 12 70