»sawCheck«

ZOLLER measuring and inspection machine for the complete check of precision saw blades

The demands on precision and cost-efficiency are increasing continuously in the manufacturing and regrinding of precision saws. With the »sawCheck«, ZOLLER offers a solution for the fully automated measuring of saw blades fully with high precision and independent of operators. **During inspection, parameters such as tooth shape, pitch, concentricity, axial run-out under transmitted light and effective cutting angle, draft angle, tooth thickness, offset or wear under incident light (radial/axial) can be checked contactless and quickly.**
As an option, a measuring sensor can be used to determine the run-out of the saw body and this can be taken into account when measuring the parameters. Alone the measuring and inspecting of your saw blades together with determining the wear prior to re-grinding, will let you benefit from a 20% increase in productivity in your manufacturing operations!

Important features:

- ZOLLER image processing »pilot«
- Ergonomic operating elements
- Consistent use of branded products
- Robust and workshop-compatible
- Flexible adaptation to your manufacturing operations
- Autofocus, hollow shaft encoder and spindle brake
- Swivable tool inspection
- Measuring sensor
- Protective housing and basic design

Technical data

	»sawCheck«
Travel range Z-axis	450 mm
Travel range X-axis	200 mm
Measurable diameter under transmitted light	300-800 mm
Measurable diameter under incident light	+90°= 300-800 mm; 0° and -90°= 200-800 mm
Maximum tool width in Z-direction	30 mm
Measuring sensor	Run-out measurement

Note:
The quoted measuring range may under circumstances be reduced when using adapters and tool posts.

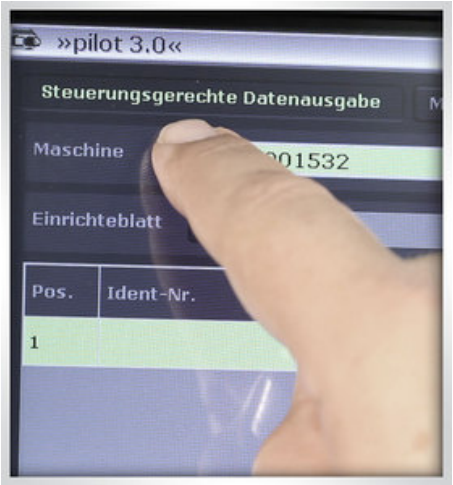
Software

»pilot 3.0«

Quickly and simply equipped for any requirement

- For manual as well as CNC-driven tool presetting and measuring machines
- For small as well as large production requirements
- Comfortable and fast presetting, measuring, inspection and management of cutting tools of all kinds
- Data communication via machine links and interfaces to external systems
- Modular setup for maximum flexibility

Control-specific data output



ZOLLER enables linking more than 100 different machine readable output formats. Manual inputs are no longer required as the data is available directly for the corresponding machine control.

The following data output options exist:

The measured tool data is printed on a label that is used to mark the measured tool. The data can then be retrieved again using a scanner.

Alternatively, with the ZOLLER tool identification system, the tool data can be written onto a chip located in the tool holder and read by the machine control.

The DNC network ensures extremely reliable and convenient data communication. The tool data is sent directly from the tool presetter and measuring machine to the machine control.

Your added value

- Cost-efficient complete check of precision saw blades
- Fully automated generation of measuring processes and programs
- Comprehensive documentation of the measured results
- Universal clamping/measuring system provides machine-compatible holding of the saw blade for fast and reliable measurement without sagging of the saw blade

You are interested in »**sawCheck**« ?
Then you may be interested in following too:

The ZOLLER
»**genius**«
The universal measuring machine for tool inspection

The ZOLLER
»**threadCheck**«
High-end universal measuring machine for helical tools