



High End Inspection and Measuring Machine »titan«

Unrivalled Flexibility and Precision in the Measurement of Precision Tools

Highlights

- Fully automatic
µm-accurate and fully automatic measuring of precision tools and cutting edge preparation
- Precise
CNC-controlled multisensor measuring system, automatic level control and low-vibration base
- Flexible
As a result of the transmitted and incident light camera, multi-LED lighting and SKP sensor - controllable with up to seven CNC axes
- Safe
Simple operation and ergonomic, space-saving design for safe processes and high levels of working comfort
- User-independent
Extremely easy operation, without expert-level skills required
- Profitable
Allows even highly complex measurements to fully automatically and quickly - including inspection reports

Software



Modern design and even more features: The software for all-inclusive tool measurement

»pilot 4.0«

- Graphic rich, self-explanatory user interface
- All features are easily accessible
- Large click and touch areas
- Photorealistic input interface
- Dynamic crosshairs
- Self-explanatory function keys
- Automatic cutting edge shape recognition
- Automatic zero point monitoring
- Clear and precise cutting edge display and inspection
- Tool and adapter management
- Tool identification
- Test report output
- Data transfer to the machine tool and interfaces to external systems

and many other functions and options

► more

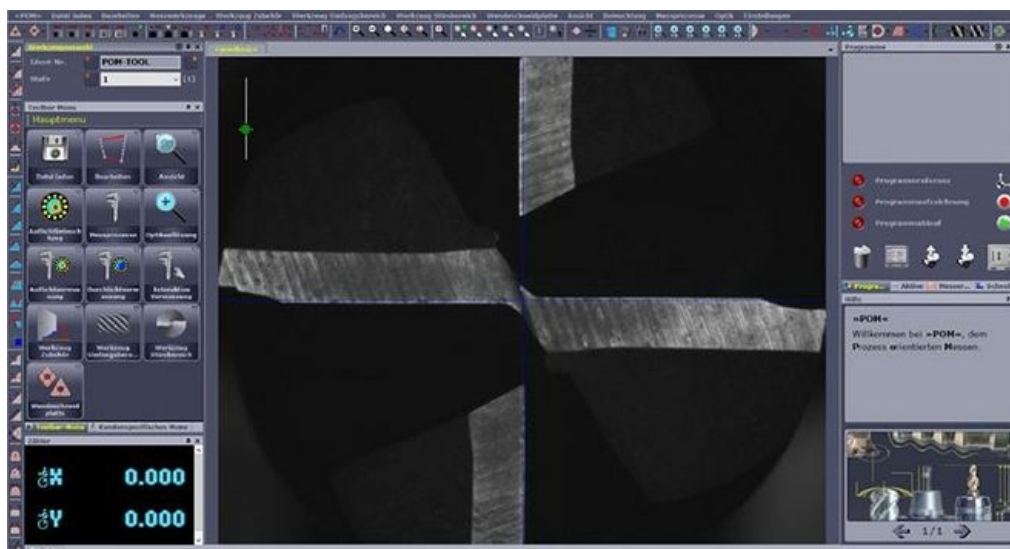


Image Processing Software for Inspection Machines of the »pom« Series

»pomSoft«

- User interface for all screen resolutions
- For all »pom« inspection machines
- For measuring in the measuring laboratory, as well as on the shop floor

► more

Technical data

»titan«	
Max. tool length	Max. tool Ø (with / without swivel mechanism)
600 mm (23.6 inch)	100 mm (3.94 inch) / 100 mm (3.94 inch)
Max.snap gauge Ø	Number of axes
75 mm (2.95 inch)	6-7
Weight	
1.400 kg (3 086 lbs)	

* Measuring ranges with optic carrier CNC swivel Note: Using adapters and attachment holders can reduce the indicated measuring range in some circumstances. Selecting the "snap gage" reduces the maximum tool diameter

Measurement programs

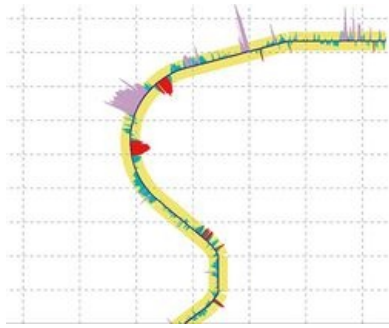
Vertical and Horizontal Dimensions, Radius, and Angle of Standard Cutting Tools

Measuring program for the simple measurement of vertical and horizontal dimensions, radius and angle of standard cutting tools.



Single Cutting Edge Reamer - External Processing

Measuring program for the measurement of any parameters at the outer edge of single cutting edge reamers.



Vertical and Horizontal Dimension, Angle, Projection

Measuring program for the measurement of reamers for valve seat machining.

Simply Incredible. Incredibly Simple.

Unrivaled flexibility. Absolutely precision. Simply genius. With »titan«, the new, high-end universal genius, it is possible to complete fully-automated measurement processes, including cutting edge preparation, with a single system. Seven CNC-controlled axes measure any type of machining tool with high precision and full automation — from exterior contour measurements to operator-independent complete control, including consistent documentation and logging. The fully automatic positioning of the sensors, the high repeatability and the ease of use for even highly complex measuring processes are state-of-the art in in measuring and inspection technology! The operability of the measuring machine can be learned quickly, even for highly complex tasks. This measuring technology solution from ZOLLER brings clear efficiency and quality advantages to you in your manufacturing processes.

