



Inspection Machine »pomBasic«

Optical Inspection of Tools at Top Speed

Highlights

- Compact
Space-saving and suitable for the shop floor for use in the measuring laboratory or directly next to the grinding machine
- Quick
Insert tool, start, inspect, and you're done
- Simple
Clear software interface for a simple inspection procedure; Assistant-supporting measuring procedures
- Precise
Automatic optical edge detection for high accuracy; High-quality camera systems and automatic light controls
- Reliable
Direct data transmission to the grinding machine possible
- Scalable
For instance, as with the software module »reGrind« for all wear and tear measurements

Software

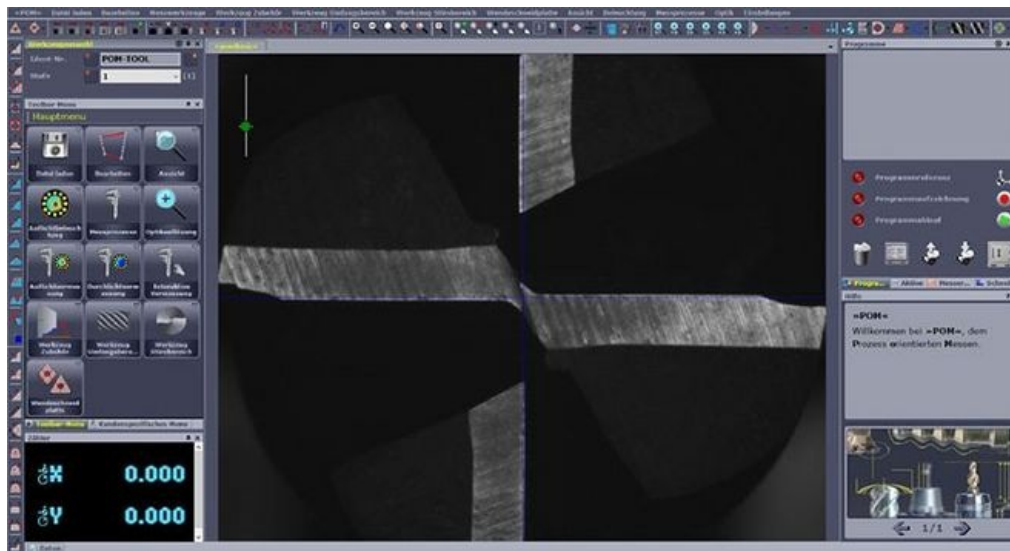


Image Processing Software for Inspection Machines of the »pom« Series

»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

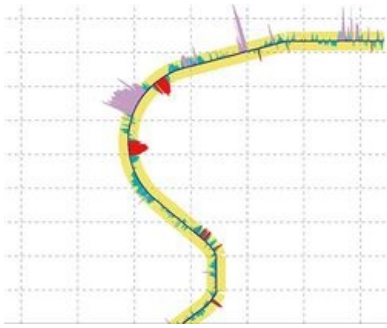
Technical data

»pomBasic«

Travel range X axis	Travel range Y axis
180 mm (7.1 inch)	55 mm (2.2 inch)
Travel range Z axis	Measuring and clamping shaft Ø
± 50 mm (2 inch)	0,5 mm - 50 mm (0.02 inch - 2 inch)
Color camera »pomColorCam«	
6.5-times zoom lens focus	

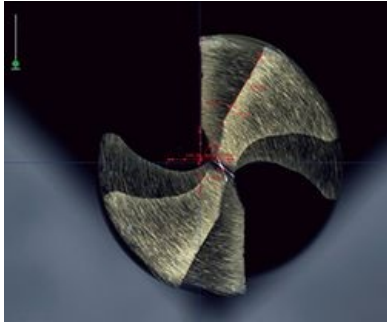
Note: Using adapters and attachment holders can reduce the indicated measuring range in some circumstances. Manual fine setting of all axes

Measurement programs



Vertical and Horizontal Dimension, Angle, Projection

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



Theoretical Tip

Measuring program for the determination of the theoretical tip at tapered cutting tools over several measuring points.

Highspeed Tool Inspection

ZOLLER »pomBasic« is the inspection solution for process-related measuring and inspection of drills, milling cutters and counterbores in incident light. Thanks to its compact and universal design, »pomBasic« can be used in the measuring laboratory, incoming goods controlling, or directly in the grinding shop. It is the ideal device for the shop floor, directly next to the CNC grinding machine: Simply insert the tool, start up, measure, and you're done. With automatic edge detection for high accuracy, assistant-supported measuring procedures and inspection reports in a single click. There is nothing quicker or easier than »pomBasic«.

