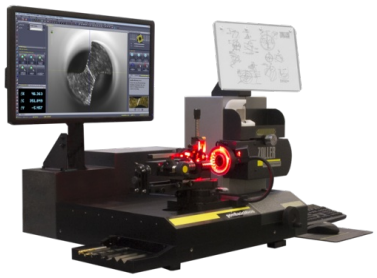


Inspection Machine »pomBasicMicro«

Inspect Microtools Down to the Smallest Detail

Highlights

- Accurate
  Video-micro-system monochrome camera for inspecting small and micro-tools; automatic optical edge detection; high quality camera systems; automatic light controls
- Compact
  Space-saving and appropriate for the shop floor for use in the measuring laboratory or directly next to the CNC machine
- Quick
  Insert tool, start, inspect, done:
- Simple
  Clear software interface for a simple inspection procedure; assistant-supported measuring procedures
- Reliable
  Direct data transmission to the grinding machine possible

Software

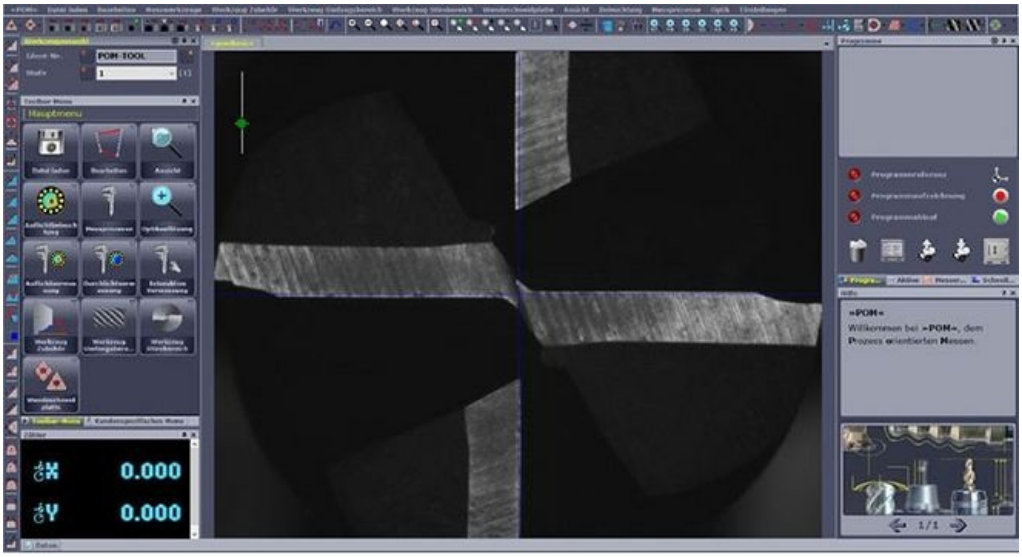


Image Processing Software for Inspection Machines of the »pom« Series

»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

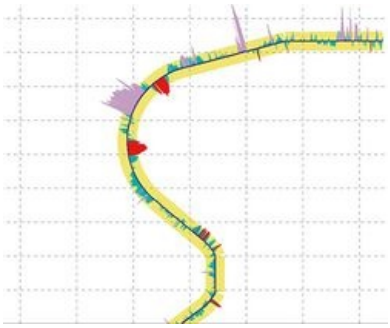
Technical data

»pomBasicMicro«

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«	
12-times zoom macro-lens, Working distance 50 mm	

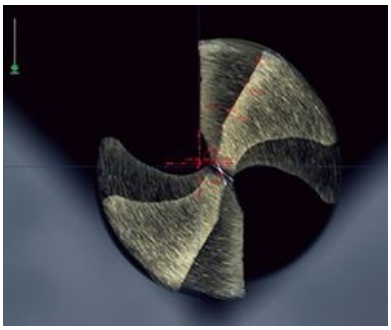
Note: Using adapters and attachment holders can reduce the indicated measuring range in some circumstances.

Measurement programs



Vertical and Horizontal Dimension, Angle, Projection

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



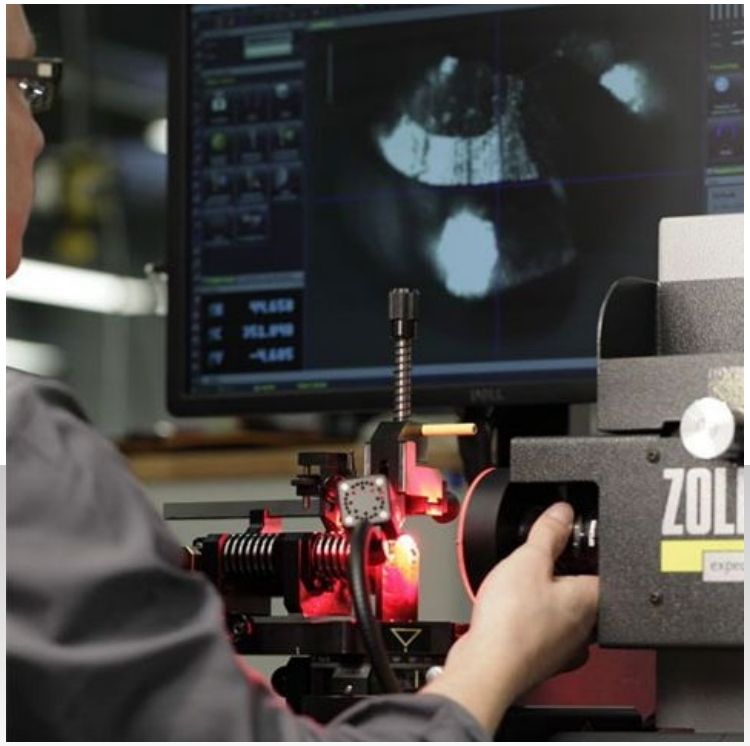
Theoretical Tip

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

To the Smallest Detail

The ZOLLER »pomBasicMirco« is the compact and in-process inspection solution for inspecting and measuring micro-tools. With the special video-micro-system monochrome camera, tools of the smallest sizes can be inspected.

The intuitively operable, individually adjustable »pomSoft« image processing software offers numerous measuring and analysis algorithms, primarily for measuring angles, distances, wear and tear, cutting qualities and grinding patterns. Thanks to its compact and universal design, »pomBasicMicro« can be used in the measuring laboratory, incoming goods inspection or directly in your manufacturing process.


ZOLL