Inspection and measuring of micro drilling and milling tools

Mikro-Inspektor





Mikro-Inspektor (basic device)

- high quality 7:1 zoom optics with camera system for magnification range 46-306x (optional with zoom optics 12,5:1 for larger magnification range (32-389x)
- PC system with an extensive documentation and measuring software, 24" monitor
- tools rotatably mounted, view from above and the side by switching the prism unit
- LED ring light, LED side light, separately dimmable
- quick clamping module A (direct mounting of tools with shaft diameters 3-6 mm)

The Mikro-Inspektor is a high-resolution inspection and measuring workstation to identify faulty and damaged tools and removes them from the manufacturing process. High follow-up costs belong to the past. The measuring of tool parameters and wear conditions are also quiet possible.

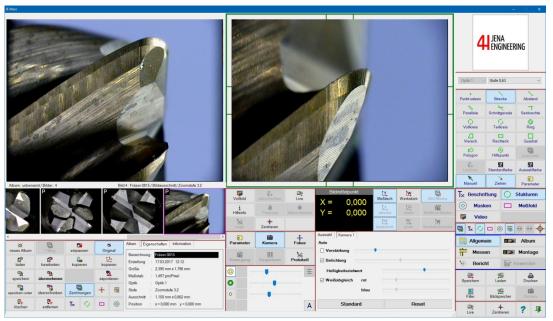


Software package:

- image archiving, documentation, image caption
- comparison of latest pictures with master image
- creation of overlay masks for visual inspection
- optional with measuring module for calibrated measurements, documentation of tool characteristics and wear conditions (incl. calibration kit)



calibration kit



Software interface of JE.Mess

Tool modules:

Quick clamping module A (basic module)	direct mounting of tools with cylindrical shaft diameter 3-6 mm
Quick clamping module B (optional)	direct mounting of tools with cylindrical shaft diameter 6-10 mm
Module for HSK tapers (optional)	module for HSK 40-tapers with reducing ring for HSK 25-tapers
Precision module HSK 25/HSK 40 (optional)	module for measuring of concentricity (module accuracy ≤ 0,003 mm)



Customer-specific tool mountings are also possible!



For more information, please contact the optical inspection branch of our company or visit our website.