KERN µ-View

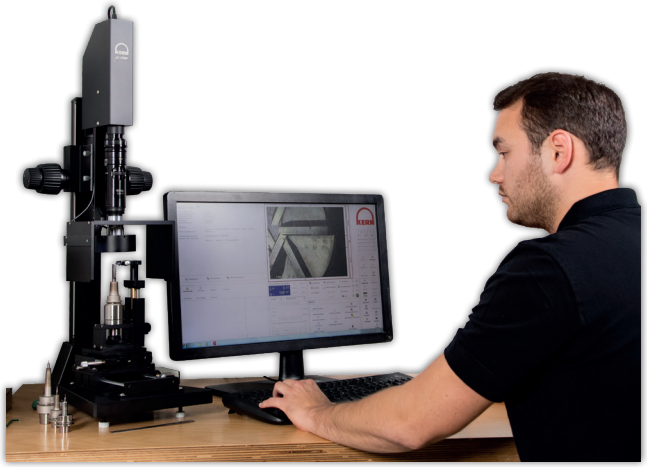
Tool Inspector

Quality system for your optimized production

At first glance, they all look good - but not every new micro tool delivers what it promises. Each tool mistake will cost valuable time and money. The simple and effective solution is the Kern µ-View. The tool inspector can detect defects on the tools before they enter the production, it can optimize the running times and avoid tool-related errors. The small footprint and the intuitive operation allow efficient use and a placement directly in your production.

Savings up to 50%

The Kern µ-View is in constant use in Kern‘s machine shop. In multi-shift operation, tooling costs in the six-digit area are incurred there annually. The use of the Kern µ-View results in the following advantages:



- Simple inspection of new tools for geometry, grinding and coating defects
- Rapid process optimisation through permanent analysis of the wear limit of tools used
- Savings in tooling up to 50%, depending on the application
- Amortization of the Kern µ-View (ROI) after less than one year

Properties:

- Optical digital system with a magnification of 87-569, optional 174-1158
- Tools rotatably mounted, view from above and the side by switching the prism unit
- Management of tool data through comparison geometries and tool masks for quick, visual control
- LED ring light, LED side light, separately dimmable
- Quick clamping module with direct mounting for time-saving analysis and incoming tool inspection
- Optional: measuring module for calibrated measurements, documentation of tool characteristics and wear conditions (incl. calibration kit)

Your benefits at a glance:

- **Process stability**
  by minimizing tool-related out-of-spec parts
- **Cost savings**
  by efficient usage of tools, down to the real wear limit
- **Time savings**
  through improved machine running-time and less out-of-spec parts
- **Quality improvement**
  by check and rejection of defective tools before milling
- **Transparency**
  by wear monitoring and precise tool cost calculation