

# KERN $\mu$ -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 alternative is the KERN  $\mu$ -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 in-house production of parts implemented the KERN  $\mu$ -View in 2012. With more than 10 KERN milling machines and tool costs in the six-digit area, the following improvements were accomplished:

- In the first year more than a quarter of the tools have been sorted out and returned to the vendor
- Substantial improvements in machine run-time and significant reduction of unplanned shutdowns
- Savings in tooling up to 50%, depending on the application
- Amortization of the KERN  $\mu$ -view (ROI) after less than one year

### Properties:

- Optical Digital System with a magnification of 40 - 450 and a dedicated hardware and software system
- Management of tools with comparative geometries and tool-masks for quick visual inspection
- Analysis and documentation of the tool contours
- Quick clamping modules for holders for time-optimized application
- Small footprint and workshop-ready design enables installation on site

### 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

