

A large, light blue wireframe mesh graphic, resembling a stylized mountain range or a complex surface, is positioned in the upper middle section of the page. It is set against a dark teal background with a subtle grid of small white dots.

Tool Inspect

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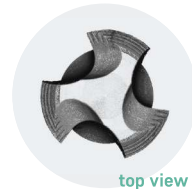
HP-ST – ToolInspect

Our **ToolInspect** solution is an optical, high-precision measuring system based on White-Light Interferometry for digitizing machining tools to μm accuracy. The **HP-ST** solution offers the possibility to record 3D measurements on any surface for detailed detection of manufacturing deviations or quality control in production. Geometry changes, chipping in the material, wear and other individual parameters of the tool are identified based on the precise 3D digital twin.

Thus, we solve the previously existing problem of the lack of information in the production of such a precision tool and therefore ensure the highest quality and efficiency within the process.



3D result
visualization



top view



measurement
results in
software

CHARACTERISTICS

- Accuracy $< 1\mu\text{m}$
- Stationary precision measurements with optional automated loading
- Intuitive digital 3D result visualization
- Extensive digitization, diagnostics and documentation functionality
- Customer individual result reporting