



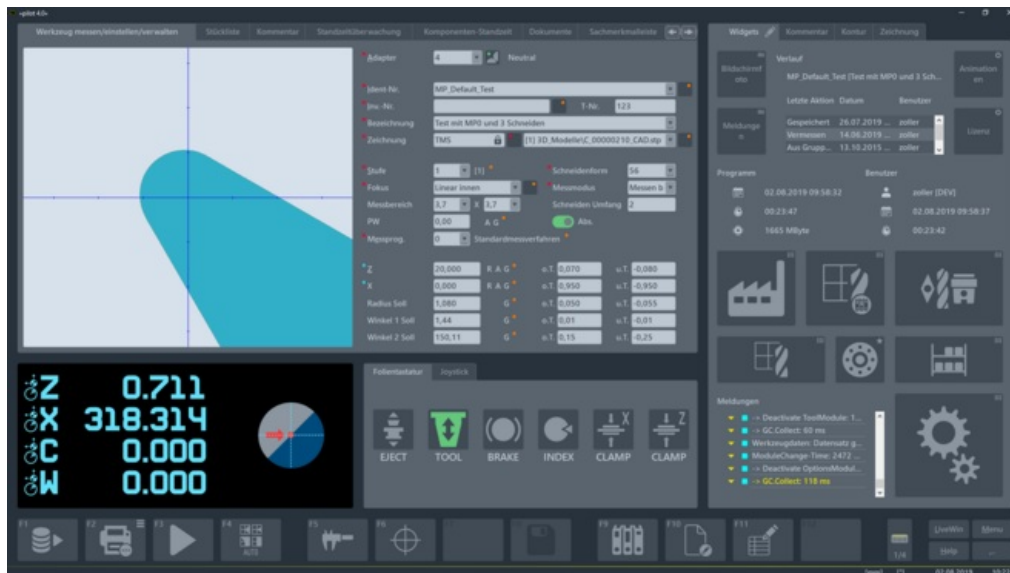
Measuring Machine »3dCheck«

Fully automatic high-end 3D scanning and measuring machine

Highlights

- Pioneering
With process-oriented 3D digitalization it opens up new dimensions
- Varied
Numerous measuring and analysis algorithms for an extensive tool-product portfolio
- Quick
Time-saving realtime image transmission
- Flexible
Flexible further processing thanks to quick data export in all common CAD formats
- Appropriate for the shop floor
Robust, space-saving design

Software



Modern design and even more features: The software for all-inclusive tool measurement

»pilot 4.0«

- Graphic rich, self-explanatory user interface
- All features are easily accessible
- Large click and touch areas
- Photorealistic input interface
- Dynamic crosshairs
- Self-explanatory function keys
- Automatic cutting edge shape recognition
- Automatic zero point monitoring
- Clear and precise cutting edge display and inspection
- Tool and adapter management
- Tool identification
- Test report output
- Data transfer to the machine tool and interfaces to external systems

and many other functions and options

► more

Technical data

»3dCheck«

Max. tool length
600 mm (23.6 inch)
Max.snap gauge Ø
100 mm (3,94 inch)
Weight
1.400 kg (3 086 lbs)

Max. tool Ø (with / without swivel mechanism)
– / 100 mm (3,94 inch)
Number of axes
5

Note: Using adapters and attachment holders can reduce the indicated measuring range in some circumstances. Manual fine setting of all axes.

Measurement programs

»expert« Measuring Program Generator

Global measuring program for the measurement of cutting tools in transmitted and incident light, at the circumference, at the end face and in chip space.

Tool Contour

Measuring program »lasso« for the automatic target-actual-comparison of the target and actual contour of cutting tools.

The solution for 3D digitisation of workpieces and tools

»3dCheck« captures, digitises and analyses complex tools and is the perfect inspection machine for fast and process-oriented 3D digitisation. This measuring machine combines the advantages of the optical ZOLLER »Z3dCam« (3DSensor) with high-precision CNC axes and fully automatic transmitted light image processing. Especially in the field of reverse engineering, in quality assurance, in R&D up to tool inspection, the use pays off: for example, due to the time-saving real-time image transmission, the comfortable, intuitively operable ZOLLER software interface and the possibility to export the 3D measurement data in a standardised format into the customer's own CAD system for further processing - contact-free without damaging the tools.

