NEW

»smile/pilot 3.0«

The newly designed tool presetter and measuring machine model »smile/pilot 3.0« for metal cutting tools continues the success story of the ZOLLER »smile« series. The new compact, robust and ergonomic design makes it perfectly suited for use in a production environment. A special highlight ist the user-friendly and state-of-the-art image processing technology »pilot 3.0« that comprises a variety of measuring programs

Basic equipment:

- High precision spindle SK 50 with integrated calibration edge and spindle indexing
- Membrane keyboard for power-operated tool clamping, spindle brake and spindle indexing
- Image processing with telecentric objective and CCD camera with integrated incident light multi LED lights
- 8 USB 3.0 interfaces
- RJ45 mains connection
- 23" TFT touch-screen monitor
- Screen resolution 1920 x 1080 Pixel
- 10th generation of measuring machine control
- Operating system Windows 7 Ultimate
- 8 GB working memory
- Storage for at least 15.000 adapters and tool steps

Technical data:

- Max. tool length Z: 400 mm/600 mm
- Max. tool diameter X: 420 mm
- Snap gauge diameter: 100 mm*

*Note: When selecting the „snap gauge" option, the maximum tool diameter in X is reduced to 320 mm

Benefit:

- Quick, intuitive and easy operation
- Customizable »pilot 3.0« user interface
- User-independent measurement results, incl. tolerance check

Options:

- SK 50 vacuum spindle
- Power-operated tool spindle
- Centre height measuring device camera (DME)
- Autofocus
- Control-specific data output
- Setup sheets measure/manage
- Integration into »pilot 3.0« database
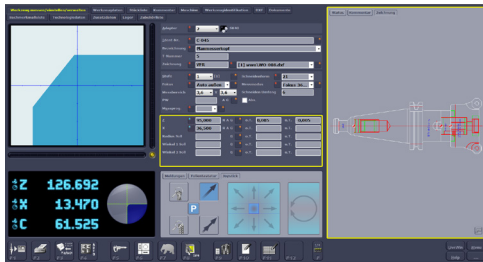- Integration of ZOLLER TMS Tool Management Solutions

»smile 400« with ZOLLER image processing »pilot 3.0«

Easily and intuitively operated touch-screen user interface ZOLLER »pilot 3.0« with automatic recognition of the cutting edge shape and individually configurable working instructions

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»smile/pilot 3.0«

Ultra-precise measurement results with specification of tolerances and representation of appropriate tool graphics
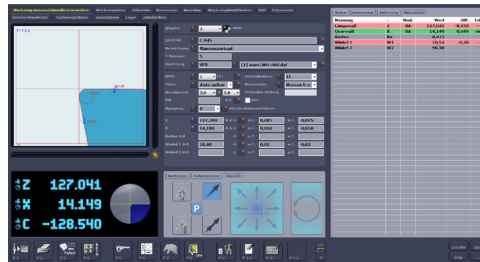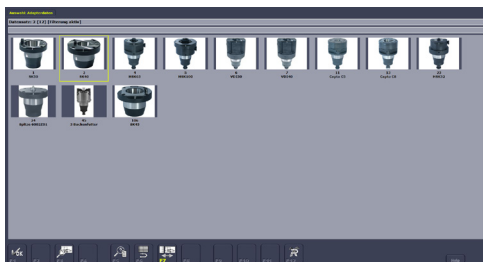

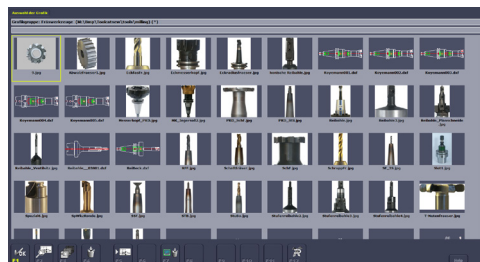Quick and straightforward presentation of measurement results
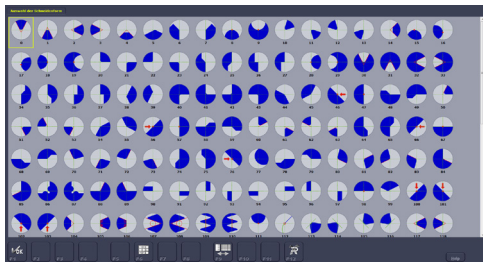
Automatic recognition of cutting edge shape and measuring range with more than 120 different shapes

Specific measuring programs with photo-realistic input dialogue for complicated measuring tasks

Graphical and user-friendly adapter management

Graphics management for quick and error-free tool selection (2D and 3D)

Default functions:

- Dynamic memory management for at least 15.000 adapters and tool steps
- Concentricity measurement cutting edges
- Projector function
- Measuring process »biggest cutting edge«
- Tool step management
- Graphical user interface
- Automatic recognition of cutting edge shape and measuring range
- Dynamic crosshairs
- Dimmable cutting edge inspection
- Real-time measurement
- mm / inch conversion
- Independent selection between radius, diameter, absolute value, differential measure, incremental dimension and counter stop mode for both axesr
- Automatic zero point monitoring
- Analogue, colour focus meter
- Navigation system »compass« for comfortable axis adjustment and positioning of nominal value
- cris« function for measuring the maximum contour
- Label printing
- Help system and others

Measuring programs:

- Standard measurement method
- Radius over measuring points
- Angle over measuring points
- Concentricity check
- Theoretical point
- Detection of the maximum contour

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