

NEW

ZOLLER Tool Presetter and Measuring Machines

»smile/pilot 2 mT«

smile_p2 mT

The new ZOLLER tool presetter and measuring machine model »smile/pilot 2 mT« for metal cutting tools continues the success story of the ZOLLER »smile« series with its unrivalled user-friendly, individual, and state-of-the-art image processing technology that keeps ZOLLER ahead of its competitors. The main screen of the ZOLLER user interface myTouch »pilot 2 mT« can easily be adapted to every application thanks to its modern touch-function.

Basic equipment:

- High precision spindle SK 50 with integrated calibration edge and spindle indexing
- Membrane keyboard for power-operated tool clamping, spindle break and indexing
- Image processing with telecentric objective and CCD camera with integrated incident light multi LED lights
- 8 USB 3.0 interfaces
- RJ45 mains connection
- 17" TFT touch-screen monitor
- Screen resolution 1280 x 1024 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:

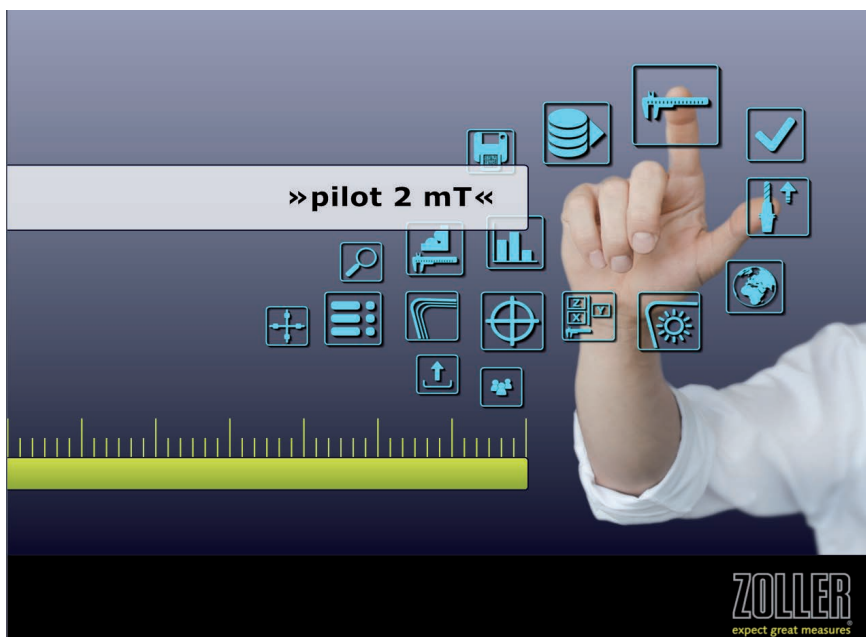
- Quick and easy operation
- Improved touch-screen operating technology ZOLLER myTouch »pilot 2 mT«
- Customized user interface with a consistently clear structure

Options:

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



»smile 400« with ZOLLER operating technology myTouch »pilot 2 mT«



Simple, individual and intuitive touch-screen operating technology ZOLLER myTouch »pilot 2 mT«

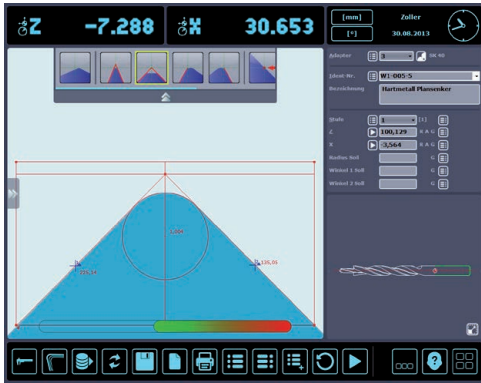
»smile/pilot 2 mT«

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 axes
- 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



Automatic recognition of cutting edge shape and measuring range with more than 100 different shapes



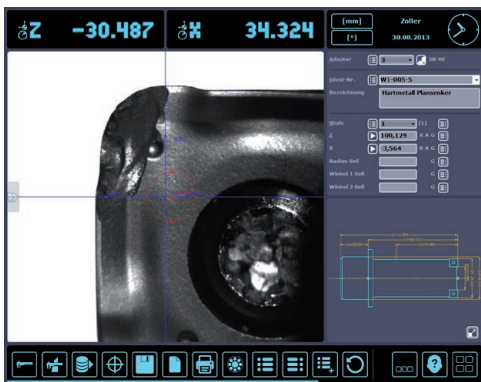
Graphical and user-friendly adapter management



Navigation system »compass« for a quick and comfortable axis adjustment and positioning of the nominal value



Graphics management for a quick, precise and error-free tool selection



Projector function and cutting edge inspection for test of wear and measuring of cutting edge indentations



Default programs for specific measuring tasks with a clearly structured presentation of the tool parameters

