

ZOLLER
expect great measures®



Tool Presetter and Measuring
Machine for tools of any type

»venturion«

Regardless of your requirements, the ZOLLER »venturion« is available in an optimum configuration and is uniquely designed to meet the specific needs of your production processes. It combines outstanding and unique human engineering with maximum flexibility and precision. The robust »venturion« is ideal for every CNC production, highest demands on precision as well as the use of big heavy tools.



- ✓ Available in up to seven selectable measuring ranges in Z and X
- ✓ High-precision spindle »ace«
- ✓ High precision spindle ISO 50 with integrated calibration edges, locking device 4 x 90°, spindle brake
- ✓ Membrane keyboard for power-operated spindle brake and spindle lock
- ✓ Lightweight metal construction with optimal thermal conductive capacity for use in workshops
- ✓ Electronic fine adjustment of the X and Z axis
- ✓ ZOLLER image processing software »pilot 2 mT«, or »pilot 3.0«

- ✓ Heidenhain glass scales for high measuring accuracy
- ✓ CCD camera with telecentric lens
- ✓ Dynamic cross hairs over entire measuring window
- ✓ Analog focusing display for focusing the tool cutting edge
- ✓ Automatic cutting edge recognition, also greater than 90°
- ✓ Cutting edge inspection with 30-fold magnification
- ✓ Control unit »cockpit« / Manual projector function / Adapter and tool management
- ✓ Zero point monitoring for process reliability
- ✓ Numerous measuring programs, for example, concentricity and run-out
- ✓ Machine table

We reserve the right to make technical changes.



Technical Data	Measuring range Z	Measuring range X	Diameter	Snap gauge Ø
»venturion 450«	450 mm / 17.7"	200-300* mm / 7.9-11.8"	400-600* mm / 15.7-23.6"	100 mm / 3.9"
»venturion 450/6«	600 mm / 23.6"	200-300* mm / 7.9-11.8"	400-600* mm / 15.7-23.6"	100 mm / 3.9"
»venturion 450/8«	800 mm / 31.5"	200-300* mm / 7.9-11.8"	400-600* mm / 15.7-23.6"	100 mm / 3.9"
»venturion 600«	600 mm / 23.6"	220 mm / 8.7"	440-540* -720* mm / 17.3-21.2-28.3"	200 mm / 7.9"
»venturion 600/8«	800 mm / 31.5"	220 mm / 8.7"	440 mm / 17.3"	200 mm / 7.9"
»venturion 600/10«	1000 mm / 39.4"	220 mm / 8.7"	440 mm / 17.3"	200 mm / 7.9"
»venturion 800«	800 mm / 31.5"	500 mm / 19.7"	1000-1200* mm / 39.4-47.2"	200 mm / 7.9"
»venturion 800/6«	600 mm / 23.6"	500 mm / 19.7"	1000 mm / 39.4"	200 mm / 7.9"
»venturion 800/10«	1000 mm / 39.4"	500 mm / 19.7"	1000 mm / 39.4"	200 mm / 7.9"
»venturion 800/12«	1200 mm / 47.2"	500 mm / 19.7"	1000 mm / 39.4"	200 mm / 7.9"

Note: The quoted measuring range may be reduced under circumstances when using adapters and tool posts.
* The maximum tool diameter X is reduced when selecting the Snap gauge Ø



»pilot 2 mT« 17"

Intuitive touch-screen operating technology



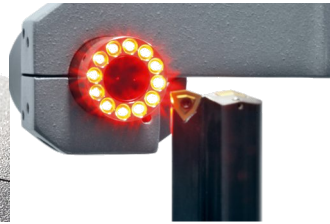
»pilot 3.0« 24"

State-of-the-art image processing technology

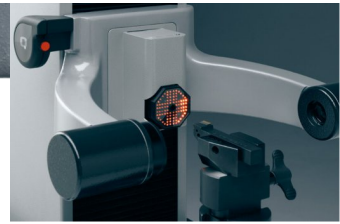
We reserve the right to make technical changes.



Autofocus and ROD encoder



Cutting edge inspection



Center height measuring device



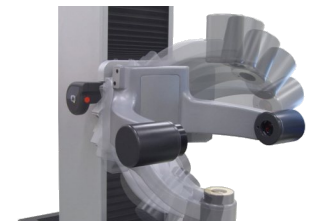
Snap gauge



Tool adjusting rod



Tool identification



CNC swiveling device



Label printer



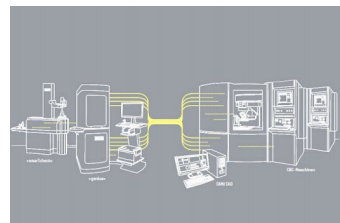
»ZipCode« with labels



Storage trays for adapters



Color laser printer



Data transmission



Maintenance unit



Control unit »cockpit«



USB Camera

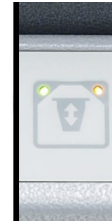
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SK 50 high-precision spindle



Tool holding fixture spindle
SK50 vacuum



»ace« high-precision spindle



SK 25 - 60 steep
taper adapter



HSK 25 - 160 hollow shank
taper adapter



VDI 16 - 80 adapter



Capto C 3 - 10 adapter



KM 32 - 100 adapter



Hydro-expansion clamping
adapter



SK 25 - 60
attachment holder



HSK 25 - 160 hollow shank
attachment holder



Capto C 3 - 10
attachment holder



VDI 16 - 60
attachment holder



KM 32 - 63
attachment holder



Hydro-expansion chuck
attachment holder

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