

ZOLLER
expect great measures®



The universal measuring
machine for tool inspection
»smarTcheck«

Whether as manual or 3 axis CNC version - the »smarTcheck« is the high-performance universal measuring machine for all cutting tools. The swiveling incident light camera allows you to check, measure and document the axial or radial geometries of your tools simply by using the mouse - no special skills are required to operate the »smarTcheck«



- ✔ 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 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 50-fold magnification
- ✔ Autofocus and rotary encoder / Tool inspection
- ✔ 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
»smartcheck 450«	450-600-800 mm / 17.7-23.6-31.5"	175 mm / 6.9"	350 mm / 13.8"	35 mm / 1.4"
»smartcheck 600«	600-800-1000 mm / 23.6-31.5-39.4"	175 mm / 6.9"	370 mm / 14.6"	80 mm / 3.15"
»smartcheck 800«	600-800-1000-1200 mm / 23.6-31.5-39.4-47.2"	500 mm / 19.7"	900 mm / 35.4"	300 mm / 11.8"

Note: The quoted measuring range may be reduced under circumstances when using adapters and tool posts.



Autofocus and ROD encoder



Cutting edge inspection (standard)



Center height measuring device



Snap gauge (standard)



High-precision camera swiveling device



Tool inspection high-precision camera device



Tool identification



Label printer



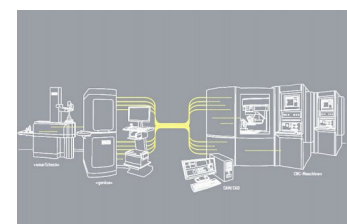
Control unit »cockpit«



Storage trays for adapters



Color laser printer



Data transmission

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Maintenance unit



USB Camera



SK 50 high-precision spindle



»ace« high-precision spindle



Membrane keyboard



SK 10 - 60 steep
taper adapter



HSK 25 - 125 hollow shank
taper adapter



VDI 20 - 80 adapter



SK 25 - 60
attachment holder



HSK 25 - 160 hollow shank
attachment holder



VDI 16 - 60
attachment holder

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