

Presetter and Measuring Machine
for Milling Heads
»zenit«

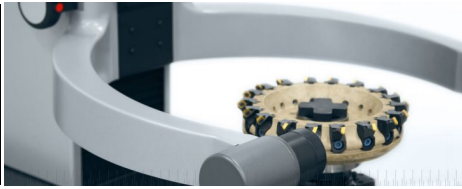
ZOLLER »zenit« is the high-precision presetter and measuring machine with an ergonomic workplace for milling heads and tools of all kinds increases the quality of your workpieces while cutting costs. It will preset your face and right-angle milling heads precisely to guarantee your workpieces will be accurate and level. Special measuring programs for milling and PKD cutters, right-angle and face milling cutters and round blanking dies.



- ✓ 2-axis CNC control unit and autofocus
- ✓ Presetting and measuring of multiple cutting tools, especially right-angle milling heads and face milling cutters
- ✓ High-precision spindle »ace«
- ✓ Ergonomic seated work position with a perfect access to the spindle which grants a comfortable presetting of the tool cutting edges
- ✓ CNC-basis/joystick »aep« for an automatic positioning of the measuring slide at the tool cutting edge
- ✓ Additional monitor display makes the cutting edge display more ergonomic when presetting the tools
- ✓ 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°
- ✓ Membrane keyboard for power-operated spindle brake and spindle lock
- ✓ Autofocus and rotary encoder / Tool inspection
- ✓ Control unit »cockpit« / Adapter and tool management
- ✓ Special measuring programs to measure and preset PCD-cutting edges, corner and face cutting edges as well as round cutting plates
- ✓ 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
»zenit 600«	600 mm / 23.6"	250 mm / 9.8" 375 mm / 14.8" *	500 mm / 19.7" 650 mm / 25.6" *	500 mm / 19.7" 250 mm / 9.8" *
»zenit 800«	800 mm / 31.4"			
»zenit 1000«	1000 mm / 39.4"			
»zenit 1200«	1200 mm / 47.2"			

Note: The quoted measuring range may be reduced under circumstances when using adapters and tool posts.
* Optionally available. When a diameter of 650 mm is chosen, the diameter of the calliper gauge reduces.

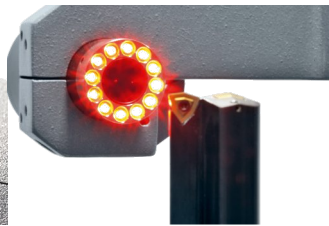


»pilot 3.0« 24"

State-of-the-art image processing technology



Autofocus and ROD encoder



Cutting edge inspection



Control unit »cockpit«



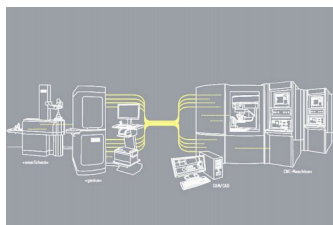
CNC-Basis/Joystick »a.e.p.«



Tool identification



Additional monitor display



Data transmission



Color laser printer

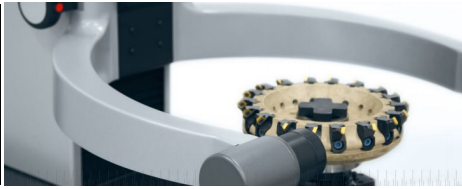


Label printer



Maintenance unit

We reserve the right to make technical changes.



»hgv-uz« high-precision spindle



»ace« high-precision spindle



Membrane keyboard



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

We reserve the right to make technical changes.