Measuring Machine »zenit«

Professional Measurement of Milling Heads

Highlights

- ZOLLER »pilot« image processing
- Ergonomic control elements
- Consistent use of brand name products
- Robust and equipped for the shop floor
- Membrane keypad for power-activated spindle clamping and spindle locking
- Flexible adaptation to your manufacturing
- Autofocus and ROD encoder
- Second monitor
- Optimum accessibility

Software

Modern design and even more features: The software for all-inclusive tool measurement

»pilot 4.0«

- Graphic rich, self-explanatory user interface
- All features are easily accessible
- Large click and touch areas
- Photorealistic input interface
- Dynamic crosshairs
- Self-explanatory function keys
- Automatic cutting edge shape recognition
- Automatic zero point monitoring
- Clear and precise cutting edge display and inspection
- Tool and adapter management
- Tool identification
- Test report output
- Data transfer to the machine tool and interfaces to external systems

  and many other functions and options

▶ more

Technical data

zenit 600«

Measuring range Z	Measuring range X
600 mm (23.6 inch)	250/375 mm* (9.8/14.8* inch)
Ø	Snap gage Ø
500/650 mm* (19,7/25.6* inch)	500/250 mm* (19,7/9.8* inch)

»zenit 800«

Measuring range Z	Measuring range X
800 mm (31.5 inch)	250/375 mm* (9.8/14.8* inch)
Ø	Snap gage Ø
500/650 mm* (19,7/25.6* inch)	500/250 mm* (19,7/9.8* inch)

»zenit 1000«

Measuring range Z	Measuring range X
1000 mm (39.4 inch)	250/375 mm* (9.8/14.8* inch)
Ø	Snap gage Ø

500/650 mm* (19,7/25.6* inch)	500/250 mm* (19,7/9.8* inch)

»zenit 1200«

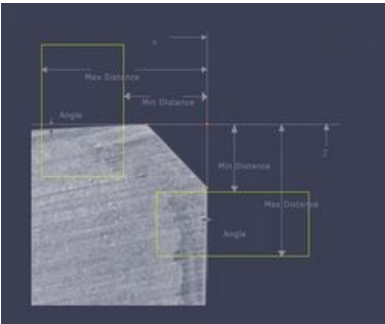|	
Measuring range Z	Measuring range X
1200 mm (47.2 inch)	250/375 mm* (9.8/14.8* inch)
Ø	Snap gage Ø
500/650 mm* (19,7/25.6* inch)	500/250 mm* (19,7/9.8* inch)

* Available as an option, when selecting diameter of 650 mm the snap gage diameter is reduced.

Measurement programs
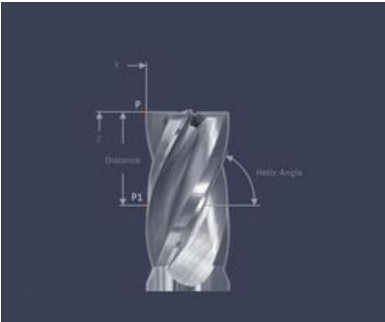
Oversize Method

Measuring program for the measurement of cylindrical reamers without support bar by oversize method.

Without Support Bar

Measuring program for the measurement of reamers without support bar.

Single Cutting Edge Reamer - External Processing

Measuring program for the measurement of any parameters at the outer edge of single cutting edge reamers.

Data Transfer

»zidCode«

The efficient solution for tool identification and data transfer

▶ to »zidCode«

RFID Chip

Fast way to the tool identification and data transfer

▶ to RFID Chip

Post Processor

Data output with DNC system prepared in a controller compatible manner

▶ to Post Processor

DataMatrix Code

Safe, quick and guaranteed error-free data transfer to your CNC machine

▶ to DataMatrix Code

Precisely Preset Facing Cutters and Angular Milling Cutters

Do you want to preset your facing and corner cutters precisely in order to guarantee the accuracy and evenness of your workpieces? Do you want to increase the tool life of your cutting tool edges in order to reduce your production and tool costs dramatically as a result?

With the ZOLLER »zenit«, these goals are easily achievable. The high-precision presetting and measuring machine with an ergonomic, seated workspace for cutting heads and tools of all kinds increases the quality of your workpieces and reduces costs.