Presetting and Measuring Machine »hyperion«

Higher Productivity Due to Precisely Adjusted Turning Tools

Highlights

- Varied
  Flexible revolving table can be configured to your specifications
- Universal
  A unique measuring device for almost all different tool holders
- Easy
  Comfortable control elements and user-friendly software
- Time-saving
  Revolving table equipment with frequently used holders
- Stable
  Special alloy and stable construction
- Efficient
  Consistent use of brand products and best price-performance ratio

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

»hyperion 300«

Measuring range Z	Measuring range X
350 mm (13.8 inch)	300 mm (11.8 inch)
Swivel range Ø	
300 mm (11.8 inch)	

»hyperion 500/400«

Measuring range Z	Measuring range X
500 mm (19,7 inch)	400 mm (15.7 inch)
Swivel range Ø	
480 mm (18.9 inch)	

»hyperion 500/500«

Measuring range Z	Measuring range X
500 mm (19,7 inch)	500 mm (19,7 inch)
Swivel range Ø	

480 mm (18.9 inch)

»hyperion 700«

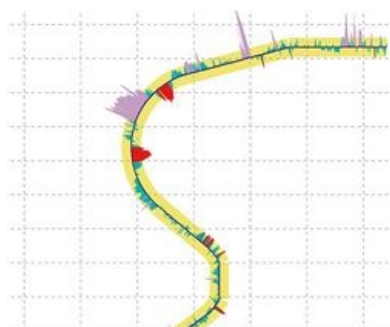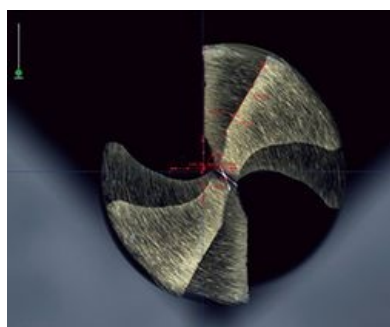| Measuring range Z	Measuring range X
700 mm (27.6 inch)	500mm (19,7 inch)
Swivel range Ø	
480 mm (18.9 inch)	

Measurement programs

Cylindrical Reamer - Face Cutting Edge

Measuring program for the measurement of single cutting edge reamers with face cutting edges.

Vertical and Horizontal Dimension, Angle, Projection

Measuring program for the measurement of reamers for valve seat machining.

Theoretical Tip

Measuring program for the determination of the theoretical tip at tapered cutting tools over several measuring points.

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

The Essential Allrounder for Turning

Whether you want to preset and measure tools for lathe machines, processing centers or milling centers — with the ZOLLER »hyperion« a single measuring device is enough for almost all your different tool holders. The various tool holders are solidly fitted to a revolving table and thus can be used quickly and easily.

Whether you select manual or CNC-controlled, with this device you are choosing the highest level of universality and profit immediately — from a considerable increase in productivity through 100% prepared and tested tools.