



Measuring Machine »genius«

## All Types of Cutting Tools Measured Completely

### Highlights

- Universal  
For fast inspection and complete control of cutting tools
- Reliable  
In use worldwide with over 1,000 installations
- User-independent  
Fully automatic complete control, documentation included
- Powerful  
Best hardware quality combined with extensive »pilot« software and large selection of measuring programs
- Stable  
Dimensionally stable and fully covered for use under production conditions
- Networked  
Seamless processes thanks to interfaces to program systems and grinding machines

### 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

### »genius«

Measuring range Z	Measuring range X
600 mm (23.6 inch)	175 mm (6.9 inch)
Measuring range Y	Measurable tool Ø
100 mm (3.9 inch)	400 mm (15.7 inch)
Snap gage Ø	
100 mm (3.9 inch)	

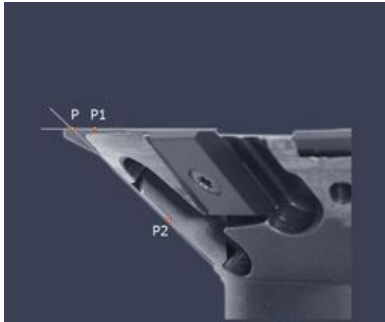
Note: Using adapters and attachment holders can reduce the indicated measuring range in some circumstances.

## Measurement programs

## Vertical and Horizontal Dimensions, Radius, and Angle of Standard Cutting Tools

Measuring program for the simple measurement of vertical and horizontal dimensions, radius and angle of standard cutting tools.

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### Conical Reamer - Snap Gauge Method

Measuring program for the measurement of single-edge reamers with support bar and with the snap gauge method.

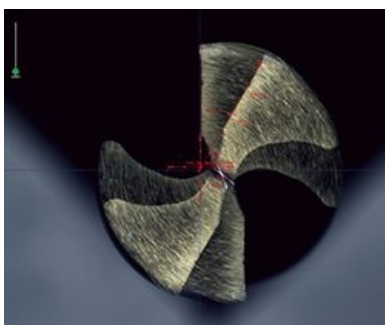
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### Single Cutting Edge Reamer - External Processing

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

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### Theoretical Tip

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

# The Universal Genius, Proven Over 1,000 Times Worldwide

The ZOLLER-»genius« is the universal measuring machine for cutting tools. From the quick inspection of individual criteria to the fully automatic and user-independent complete check, your tools are checked quickly, simply and with maximum precision. Measuring results are documented in detail and can be transferred to your grinding machines with a simple click. This means that the »genius« saves you valuable time in work preparation and programming, eliminates unnecessary reworking and customer complaints, and ensures a quality which will impress both you and your customers.





## "Every »genius« is a Promise"

"For me, assembling each and every »genius« is a personal project through which I renew ZOLLER's quality promise to our customers. As an assembly technician, I know every assembly group and every screw. Every component that makes a »genius« so amazingly precise and versatile passes through my hands. And I know from years of assembly experience why the construction of the »genius« is so unbelievably solid.

That's why I can assure you: When you buy a »genius«, you will get a machine that will impress for its precision and long service life." Witold Hutka, Measuring Machine Assembly Technician at ZOLLER