



VOLLMER | ZOLLER Cooperation

Perfect Partners for Tool Production



VOLLMER

ZOLLER
expect great measures®

For Consistently High, Tested Quality

Universal Measuring Machine

»genius 3«

ZOLLER »genius 3« is the universal measuring machine for any cutting tool. Five CNC controlled axes allow for comprehensive, precise, and fully-automatic measuring procedures.

- Fast, simple, and highly precise check of your tools with fast inspection of individual criteria up to fully-automated, user-independent complete check.

- Detailed documentation of measuring results.

- Data transmission to the grinding machine at the click of a mouse

That means »genius 3« saves valuable time in work preparation and programming, eliminates reworking and complaints, and ensures outstanding quality.



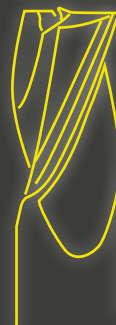
»pilot 3.0« Image Processing Technology

The »pilot 3.0« num interface guarantees reliable transmission of actual tool data from the »genius 3« measuring machine to your VGrind grinding machine.

- Intuitive operation thanks to the graphic design of the software interface.
- Numerous measuring programs handle a wide variety of measuring tasks quickly and easily
- Seamless documentation you can use to easily certify the quality of your tools

TOOL ID NO. 1245

Effective cutting angle	6°
Clearance angle	10°
Diameter	10.0 mm
Chamfer width	0.25 mm
Length	120 mm



Test report

Secure to the Machine

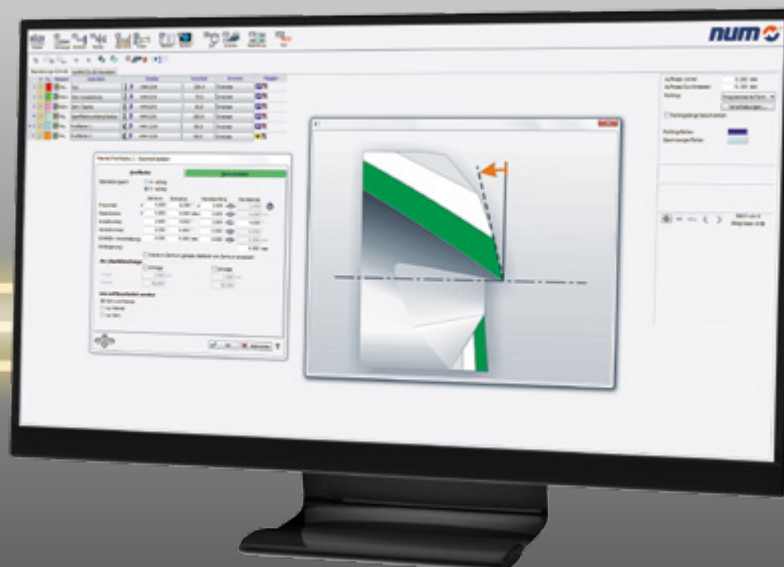
Automated Data Exchange with NUMROTO

From order to delivery: The NUM interface provides a secure connection between the »genius 3« universal measuring machine and the Vgrind grinding machine.

- Trusted for years – fully updated and expanded in 2016
- Programming, the CNC grinding machine, and the ZOLLER measuring machine work through a network connection
- Additional tool parameters that are not relevant to the controls can be measured and logged.

- Data on grinding, measuring, and inspections is available on all stations – automatically and simultaneously, without manual re-entry or transcription errors.

Allows grinding and sharpening companies and tool manufacturers to fully automate their grinding processes and work with uniform data – from programming the grinding machine controller to the test report.



Complete Processing of Carbide Tools up to 100 mm Ø

VOLLMER

VGrind 360 Grinding Machine

Precision and efficiency – squared. As the world's first grinding machine with two vertically configured grinding spindles, the VGrind 360 is setting new standards

- Five axis CNC grinding machine with innovative kinematics. Short linear axis travel distances and swivel ranges for increased efficiency and precision in Production
- Two grinding spindles situated one above the other, with a grinding wheel set positioned in the C axis pivot point, provide highly precise grinding results
- Innovative wall concept with the highest possible rigidity and outstanding damping thanks to polymer concrete
- The vertical spindle arrangement solves the well-known problems related to fixed and floating bearings
- Effective motor and spindle cooling concept for higher thermal stability and lasting power and precision
- Both grinding spindles can be fitted with various different tools. The automation option ensures incident-free retooling for both spindles



VOLLMER: Target: Perfection

In 1909, Heinrich Vollmer developed the first saw setting and filing machines. His vision: maximum sharpness of cutting tools and saw blades. At VOLLMER, we have been bringing this vision to life for more than 100 years. Successfully, and with sustained enthusiasm.

When it comes to handling sharp tools, nobody is more meticulous. Nobody knows more about saw blades, tooth shapes or tool geometries. And nobody is more consistent when it comes to developing new technologies that may soon make tool-handling even more effective and economical.

It is not for nothing that today VOLLMER is seen as the place to go for tool machining, in the areas of expertise of band saws, circular saws and rotary tools. In production and service.

www.vollmer-group.com



ZOLLER: Expect Great Measures

With a passion for inspection and measuring technology, a sense for economic efficiency and a consistent obligation to quality, ZOLLER has secured its place as a global leader.

Our vision: Economical manufacturing in machining production. Today, the 3rd generation of the family is continuing the ZOLLER success story.

For over 75 years, the name ZOLLER has stood for innovative technology, high-quality products, and reliable customer service. ZOLLER is developing from a manufacturer of presetting and measuring machines into a global technology and system solutions provider. An international network of branch offices and representatives guarantees the highest possible quality of service through personal customer advising.

www.zoller.info



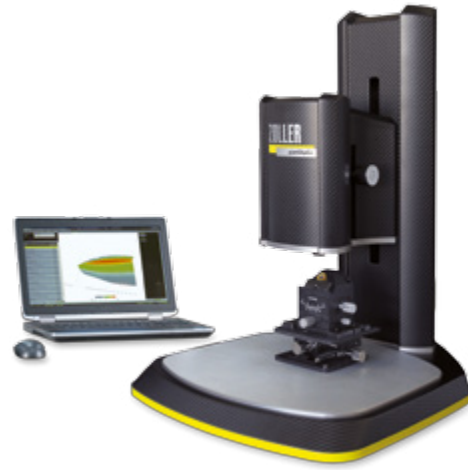
For Fast Inspections Directly Beside the Grinding Machine: The Ideal Supplement to our »genius 3« Universal Measuring Machine



Compact Solution for Tool Inspection »pomBasic«

The ZOLLER inspection device »pomBasic« measures and inspects drills, milling tools, and countersinks – in any size. Thanks to its compact and universal design, the device can be used in the measuring laboratory, incoming goods controlling, or directly in the shop floor.

- Simple
- Fast
- Brilliant monitor display



Mobile Cutting Edge Preparation Inspection »pomSkpGo«

The ZOLLER »pomSkpGo« inspection device, the mobile solution to measure cutting edge preparation, stands out with 100 % suitability for the shop floor, unrestricted mobility, intuitive operations, and precisely traceable results.

- Compact construction
- Low weight and high stiffness due to the use of carbon
- Laboratory results in a shop floor environment

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PRESETTING & MEASURING

SOFTWARE SOLUTIONS

INSPECTION & MEASURING

AUTOMATION SOLUTIONS

ZOLLER
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