

PRESS RELEASE 06/08

GrindTec 2008

Take the easy way to measure your grinding wheels

Grinding belongs to the most precise production processes. The demand on this technology grows with the demand on cutting tools. The newly produced tools or the regrinded tools are getting more complex therefore the tolerances on these tools decrease and the time- and cost pressure continuously rises. Furthermore it is necessary to check the quality throughout the entire process or to register the documentation. For this purpose ZOLLER measuring and testing technology is predestined.

ZOLLER offers different possibilities to check, test and measure grinded tools and grinding wheels. In one centric unit ZOLLER measuring and testing technology combines a system for contactless, μ -precise and fully automatic measurement of all parameter which are important for the tool and its control. Ideal systems to check and measure grinding wheels are ZOLLER »smarTcheck« and »genius 3«.

With ZOLLER »smarTcheck« the complete tool involute can be measured fully automatic and without any programming effort. Upon completion of the fully automatic measuring procedure, press the button for control-specific data output and the data will be transferred to your USB-stick, to a serial interface or to your network. For axial and radial control of diverse parameters via transmitted- and incident light a high resolution transmitted light camera or a swivel mounted camera device are at your disposal.

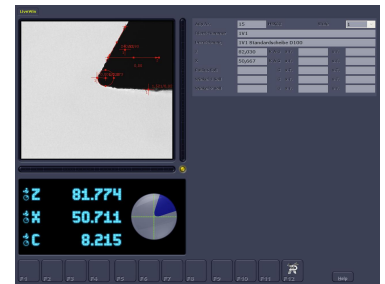
Also the measurement of grinding wheels is possible with ZOLLER machines by predefined measuring macros for wheels according to FEPA. This function guarantees brief setup times, avoids scrap as well as machine crashes.

Thank you very much for the many interesting conversations on our booth on the GrindTec 2008 in Augsburg



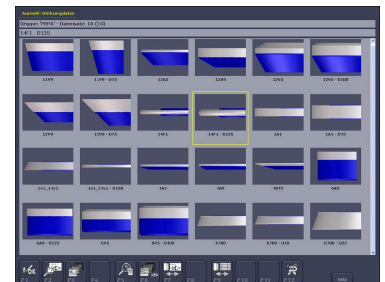
Caption:
ZOLLER »smarTcheck« with image processing technology »pilot 3.0«

Lots of grinding and sharpening companies use the ZOLLER universal measuring machine »genius 3« for fully automatic and operator-independent parameter testing at the push of a button. More than 300 of these machines are used successfully all over the world. ZOLLER »genius 3« fully automatic measures the entire outline and all geometric elements which have to be recorded by the incident light. 5 CNC-driven axis, a 2D- and a 3D image processing are available. The system was exclusively developed by ZOLLER and satisfies with easiest handling, the revolutionary interface to the programming software »NUMROTO plus« and so the possibility to measure tools completely without any additional programming.



Caption:
Fully automatic measuring procedures with »metis« measuring macros

But also with our manual machine »smile« you are able to measure grinding wheels. For this purpose the grinding wheel package has to be fixed into the tool holder, clamped (adapter) and has to be selected of the already filled set of grinding wheels in the library. After that the measuring slide will be moved to the different measuring points and the function „measurement“ will be started. So all wheels of the package are being launched and automatically measured and the data is being send to the desired medium.



Caption:
Selection of graphically presented FEPA-grinding wheels out of the tool library

Once again ZOLLER showed on the GrindTec 2008 in Augsburg that they always offer the right solution for each application. Whether measuring or testing of tools or the measurement of grinding wheels - ZOLLER is always the right choice!