Tool measuring machine

»genius 3 - pilot 3.0«

ZOLLER universal measuring machine »genius 3« with image processing
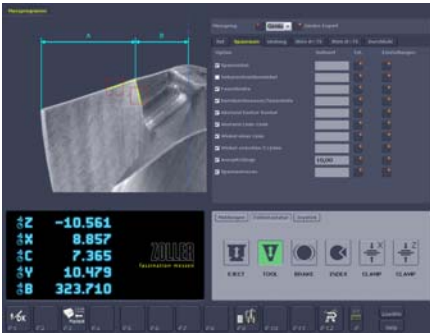
technology »pilot 3.0«

»genius 3« is the high-end measuring machine for metal cutting tools. The »genius 3« machine enables you to measure the outer contour of your tools quickly, simply and µ-precisely. This is true for the manual inspection up to the complete inspection working fully-automatically and independently of the operator. All measuring results are documented in detail onto test reports and can be transmitted control-specifically at a push of a button. 5 CNC-driven axes make it possible to carry out complex, precise and fully-automatic measuring procedures of every type. The revolutionary image processing technology »pilot 3.0« can intuitively be operated by means of the graphical user interface and input dialogues. Nearly no training effort is thus required. An integrated information system gives support for every area of the image processing. A various selection of software and measuring programs enable you to adapt the »genius 3« exactly to your requirements.
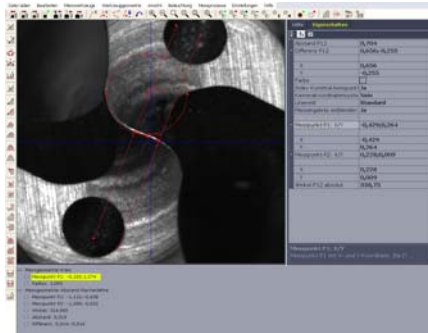
Advantages:

- Less training effort through intuitive operation
- Various software-selection (page2/2)
- Search and measuring procedures are automated and independent of the operator
- Safe, detailed documentation
- Less maintenance effort by using branded products
- LED-incident light with segmental and automatic adjustable intensity
- Standard interface for tool grinding machine with data transmission in XML-format
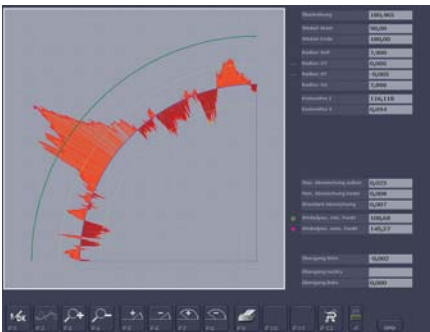- Automatic software updates
- and many more
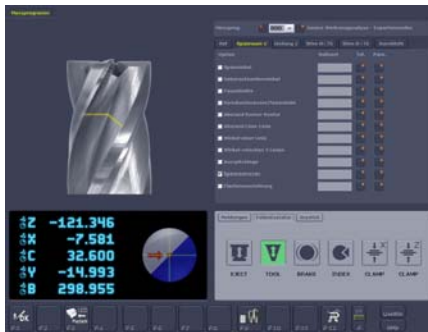
ZOLLER
measure fascination®

Measuring program generator »expert«
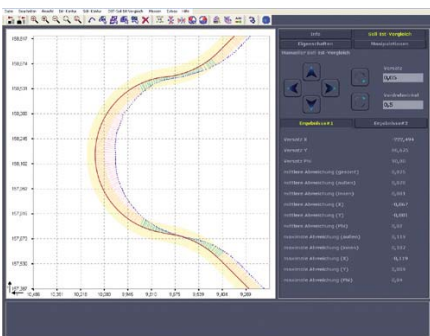

Tool inspection and measurement »metis«*
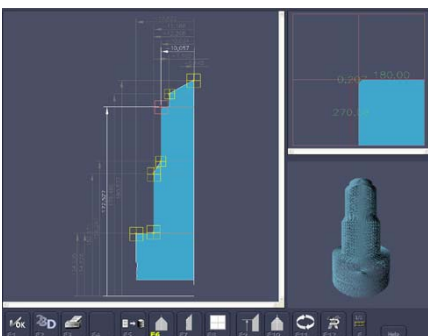

Radius contour »contur« with graphics*

Chip space scanning*

Contour measuring »lasso«*

Drawing generator »sinope«*

Measuring program generator »expert«
- Global measuring program to measure tools in incident and transmitted light, in chip space, at circumference and front.

Tool inspection and measurement »metis«*
- Software for universal measuring of contours, radii, angles, distances, wear, in incident light and for documentation

Radius contour »contur« with graphics*
- Measuring program to measure the radius in any adjustable angle sector with graphical evaluation

Chip space scanning*
- Software for automatic chip space scanning of tools. Graphic output with editable and measuring function.

Contour measuring »lasso«*
- »lasso«-function for scanning and nominal/actual comparison of any rotation symmetric tool and workpiece contours

Drawing generator »sinope«*
- Software for automatic generation of a tool drawing from measured actual values of tool/tool steps with dimensioning

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realistic input dialogue, fully-automatic procedure and lighting calibration
- **Interfaces…***
  …for NUM, ANCA, Schütte, Aipperspach & Unger, WALTER, and many more

* Option

Further software options:
- **Software package »drill« - standard**
  Expert template to measure drills in incident and transmitted light, in chip space, at circumference and front
- **Software package »milling cutter« - standard**
  Expert template to measure milling cutters in incident and transmitted light,

in chip space, at circumference and front
- **Concentricity and wobble compensation**
  Automatic concentricity and wobble compensation at cylindrical shanks. New calculation of tool centre line.
- **Cutting edge preparation »s.k.p.«***
  Software to measure cutting edge preparation (edge rounding) with photo-

E. Zoller GmbH & Co. KG I Einstell- und Messgeräte

Planckstraße 10 I D-71691 Freiberg/Neckar

Tel. +49 7141 7005-0 I Fax +49 7141 72902

post@zoller.info I www.zoller.info

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