

WALTER INFO 11/2018

GRINDING SOFTWARE “QUALITY ASSURANCE”

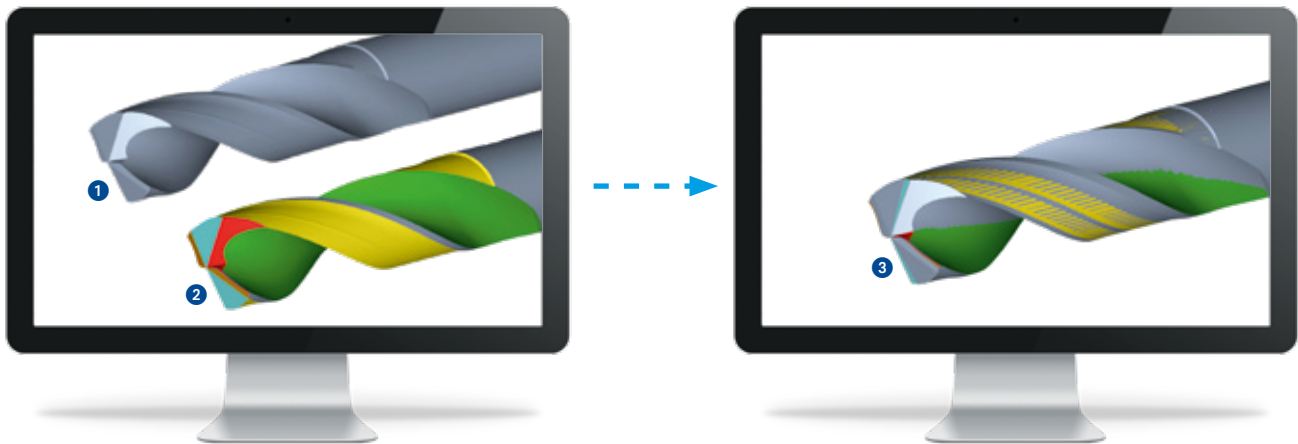
World wide tool production with comparable quality
based on a reference tool



Benefit

Based on a reference tool model it is now possible to produce tools of the same quality at various locations around the globe. Therefore the actual HELITRONIC TOOL STUDIO model will be compared with the defined reference model at any time. So the effect of a parameter change can be visually displayed for the operator. Deviations from the required quality can be identified and corrected immediately.

All Business is global – „Quality Assurance“



Customer requirements

A global customer requirement is constant high, comparable quality in material and geometry of a tool, regardless on the location where it is produced.

In order to meet these customer and market requirements, WALTER has developed the efficiency-enhancing solution "Quality Assurance" in addition to the established tool grinding software HELITRONIC TOOL STUDIO. This software supports the production of qualitatively equivalent tools with high quality consistency on different WALTER grinding machines in different locations. Quality will be transferable.

"Quality Assurance" is highly intelligent: the operator can compare visually between a reference model and a real-time model. Any geometry differences due to different external parameters such as other grinding wheels are adjusted via manual parameter change by the operator. Thus, it is ensured that tool differences can be detected and leveled at various WALTER machines or different locations. The visual representation of parameter changes is an important quality aspect. Thereby, the same knowledge is given to all operators.

Please contact us for further information:

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Benefits at a glance

- **Reference models**
 Easy creation of reference models using HELITRONIC TOOL STUDIO or through import of a VRML file from other software systems. Reference models remain unaffected of changes in the HELITRONIC TOOL STUDIO geometry data.
- **Comparison with WWM models**
 Ability to import the reference model from WWM Cybergrinding allows a smooth transition into the software generation HELITRONIC TOOL STUDIO.
- **Various comparisons**
 Colour-coded comparison between a reference model and a real-time model in the tool view as well as in any tool cross-section.
- **Ensuring quality**
 Make sure that the required tool geometry is not affected by subsequent changes to the tool parameterization.
- **Benefits HELITRONIC TOOL STUDIO**
 When using "Quality Assurance" with HELITRONIC TOOL STUDIO, all existing and newly created tool geometries can immediately be applied.
- **Versatile use**
 "Quality Assurance" can be used by both tool developers and by machine operators. Thanks to the ease of use, quality can be tested in the subsequent production as well as in the development stage.

- 1 Establishing reference model.
- 2 Selection or import comparison model.
- 3 Visual comparison between the reference model and real-time model. Deviations are visualized by color changes.

