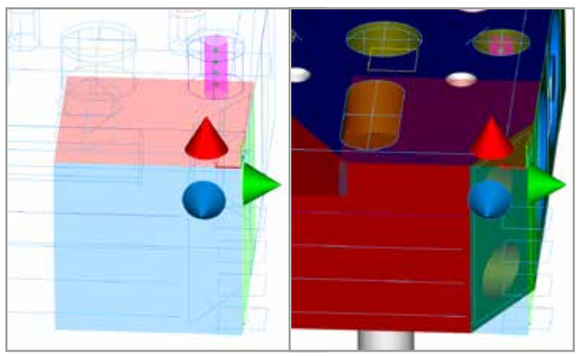
WHAT'S NEW IN WM | QUARTIS
R2019-2

In the following, we present innovations that are based on specific customer requirements and directly help our users to process their measurement tasks more efficiently. In addition, fundamental adjustments were made in the course of further development.

Position tolerance completely renewed

The standards on which our daily work is based are constantly changing. The WM | Quartis is also continuously being adapted to this landscape of standards. Position tolerance is completely renewed.
Evaluating the position tolerance is one of the more demanding metrological tasks. The implementation of the new position tolerance in the menu band was already presented in earlier releases. New with R2019-1 is the preview for ISO reference systems, with the help of which the user can immediately see how the reference system defined by him works and where its origin is. Together with further improvements in the graphical representation of the tolerance zone and the calculated compensation element or touch points, this allows an easy evaluation - directly in the CAD model!



Preview when evaluating the position tolerance

WM | LS Line scanner

With the integration of the 3D line scanner WM | LS in WM | Quartis R2019-2, further automated multi-sensor measurement sequences are possible. The component can be precisely aligned with a tactile probe system such as TP20, TP200 or SP25. The same sensors can be used to measure internal geometries and features with tight tolerances. The optical sensor can then be loaded and a scan made of the external geometry to evaluate the required surface shape tolerance and generate graphical reports with color-coded representation of component deviations.

Mobile measuring arm WM | MMA

The mobile measuring arm WM | MMA can be configured in WM | Quartis R2019-2 and then operated like other measuring arms. All geometry and free-form elements supported in WM | Quartis can be captured and evaluated tactilely.

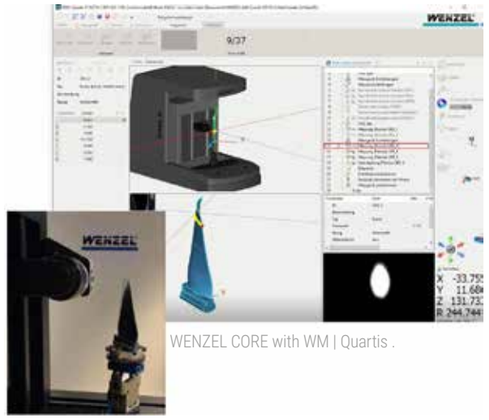
Renishaw Equator Tester

WM | Quartis R2019-2 can be used to operate the Renishaw Equator tester. The main difference between the equator and a coordinate measuring machine is that the equator compares components against a reference part.

RENISHAW EQUATOR™ Powered by WENZEL

WENZEL CORE Measuring Instruments

With the new version of WM | Quartis it is possible to configure the WENZEL CORE measuring instruments and to operate them with their tactile sensors as well as with optical double-eye sensors. Almost all WM | Quartis functionalities for measuring, as well as the various options for evaluating, reporting and exporting are available.



WENZEL CORE with WM | Quartis .

REVO 5-axis measuring system application extended

When measuring with Renishaw REVO RSP2 scanning probes, the 5-axis movements offer great advantages in many applications. In addition to improvements to increase accuracy and user-friendliness, the following functions have been implemented:
• New sweep scan measurement: efficient acquisition of surfaces with manual distribution on the CAD model. The component surface is "dodged" with the RSP2 scanning probe, while the probe head moves with continuous speed in one direction over the workpiece.
• New setting "Head orientation off": the A/B head angles of the REVO set before starting the measurement sequence remain fixed, i.e. the rotation axes do not move and the RSP2 scanning probe remains in the same position during the complete measurement. This allows certain measurement tasks to be solved without having to change to a REVO RSP3 3D scanning probe.

MORE NEW FEATURES OF WM | QUARTIS R2019-2 AT A GLANCE

- Measure points: safety plane can be selected independently of the reference
- Evaluate the individual touch points of a curve or surface as position dAB
- Report: New Functions for Aligning Data Boxes
- Probe management: Configuration, change system and group transfer
- Use expression editor in other input fields of characteristics
- Automation: direct remote program start
- DMIS programs: Extension of the supported language range