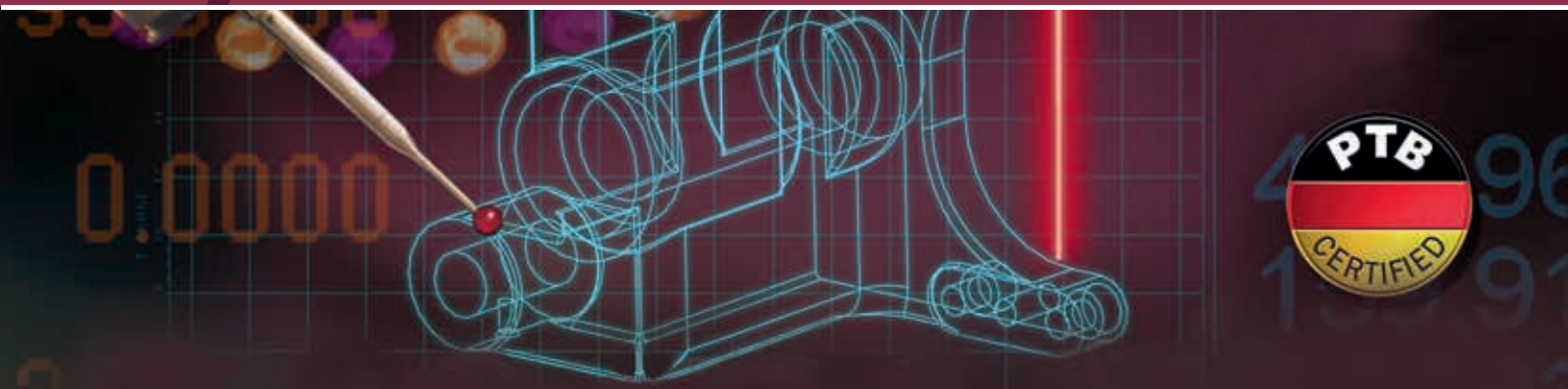




Schneiders

Measurement Software



SAPHIR | QD

Mess- und Auswertesoftware • Measurement and Analysis Software

Fast measurements – without touching a button

The revolution of innovation

Innovation in metrology should not just start with the result of a measurement operation – it should start with its very first step! **SAPHIR QD measurement and evaluation software** is intuitive to use and delivers perfect measurement results with just a few clicks. **Just switch** the measuring device on, **place** the **workpiece** on the stage “as is” without aligning it (parts can even be arranged in a mirror-inverted position) – and the workpiece recognition and **measurement** process will be automatically triggered. The measurement report including a graphical log of the measured elements will be displayed in the live image of the workpiece in the form of an overlay.

Multiple measurement – for those who want everything all at once

Whether you wish to measure several identical parts or several different parts – the design engineers at Schneider Messtechnik have equipped SAPHIR QD with a smart multiple-part measurement option. And **what is even more: the software shows initiative and thinks ahead!** Therefore, measurement elements can vary just as they come, without any need for intervention – the software will automatically recognise all parts present in the coverage area.

When a workpiece is laid on the stage for which no measurement programme has been previously recorded, the smart software will nevertheless do its work like magic! It will recognise the contour, create a CAD drawing, make the alignment as required – and perform the measurement operation. **In a nutshell: SAPHIR QD is capable of capturing all measurable elements and will reliably integrate them into the measurement programme by a simple mouse click. Measuring technology can be that fast!**

SAPHIR QD – key benefits

- Intuitive operation, easy handling
- Fast measurement results
- Single and multiple-part measurement
- Mirror-inverted measurement
- “Brainy” software
- High flexibility enabling continuous variation in measurement design
- Active support in programme creation
- Graphical measurement report conforming to the drawing



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Nous rendons la qualité visible
Making quality visible

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SAPHIR QD is Metrology 4.0

Measurement and analysis software **SAPHIR QD** clearly qualifies for „Metrology 4.0“ because its advanced features enable the workpiece to integrate itself into the measurement process as an information carrier – no RFID chip is required. With this functionality, programming has been taken to new heights because the software is capable of recognising the contours even of parts for which no measurement programme has been previously recorded. The measurement programme is automatically created by placing arrow heads at the locations to be measured on the workpiece represented in the DXF file.



The latest news and information can also be found on our Facebook page.



Interesting product videos and useful information are available on YouTube.

Special features of SAPHIR QD

- **Workpieces can be arranged on the stage “as is” – even in a mirror-inverted manner.**
The parts will be recognised and reliably measured regardless of their position on the state.
- The software enables **measurement not only of individual parts, but also of several identical parts** (MMi=multiple measurement identical) and **several different parts** (MMd=multiple measurement different) **in one operation.**
- **The software automatically captures all parts in the coverage area** – no information about the number of parts to be measured needs to be programmed to the control unit prior to measurement.
- Once a workpiece is laid on the stage for which no measurement programme so far exists, **the software will immediately recognise the contour**, make the alignment as required and save the image captured by the measuring camera for subsequent workpiece recognition.
- **The measurement programme is automatically created** by placing arrow heads at the relevant locations on the workpiece represented in the generated DXF drawing.
- Thanks to its auto-dimensioning feature, the software can **alternatively also capture all measurable elements by itself** and integrate them automatically into the measurement programme as required.



An award-winning tool in every way: SAPHIR QD has captured the market

Technological innovation, efficiency, outstanding design and system integration – top achievers must deliver top performance! SAPHIR QD is recognised as an impressive epitome of multifaceted excellence in this regard and thus as a true “gem” in metrology – **the presentation of the prestigious “MM Award 2014”** in the category “Software” bears eloquent testimony to the exceptional value of this smart tool.



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