



# Multisensor

Innovative Metrology for your Quality Products



Cover picture: With the new TomoScope® S Plus and WinWerth® version 9.45, even large multi-material workpieces can be measured with the highest accuracy in this machine class



The unique concept with three independent sensor axes enables fast multisensor measurements without restriction now also on the VideoCheck® S

## We set standards for quality

The trend towards measuring many points with optical sensors, computed tomography and multisensor technology continues. With the continually broadening range of applications, demand for computed tomography is significantly increasing. The machines of the TomoScope® XS series are suitable for workpieces made of plastic and metal. Low maintenance and short measuring times at high resolution ensure an excellent price-performance ratio. The optimization of components and software for easy operation, even higher measuring speed and accuracy, and the expansion of the application range are the goal of further developments. The same applies to optical measurement.

In the field of X-ray computed tomography, the new TomoScope® S Plus offers twice the measuring volume with almost the same footprint and improved accuracy compared to the previous model. Functions such as Laminography and Eccentric Tomography at increased measuring speed by OnTheFly CT are now also available for the third generation of the first TomoScope® since its launch in 2005. Probably the world's first sub-microfocus source in a monoblock design can be used for all Werth CT machines. Longlife components enable high-resolution measurements with high availability and low maintenance costs.

The compact VideoCheck® S now provides even more flexibility for multisensor measurements with up to three independent sensor axes. The new generation of the VideoCheck® UA, probably the world's most accurate multisensor coordinate measuring machine, approaches length measurement errors in the double-digit nanometer range.

In WinWerth® version 9.45, the ease of use has again been increased, among other things, with uniform user interface dialogs as well as increased flexibility in the graphical display of the measurement results. There are new "intelligent" filter options for multi-point measurement with optical sensors. In the field of computed tomography, new functions such as multi-material segmentation, the Spiral CT and new automatic procedures for artifact correction to achieve low measurement errors are available.

In this year's issue of "Multisensor", our Chinese subsidiary presents itself. Employees from the headquarters in Giessen, Germany, provide insights into the DAkkS calibration of our CT coordinate measuring systems along with the fiber production process for the patented micro-probe Werth Fiber Probe®. The regular dialogue with our customers is of outstanding importance for ongoing product enhancement and innovation. We are looking forward to many interesting discussions again this year.

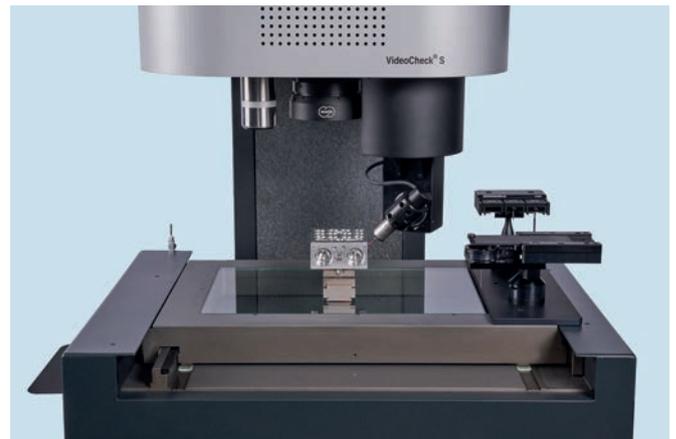


**Dr. Ralf Christoph**  
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# Content

## News about Multisensor Systems

- 06 Multisensor technology perfectly integrated on the VideoCheck® S



- 08 New WinWerth® Version 9.45
- 10 Stepless rotary/tilt head for optical distance sensors and tactile sensors

## Werth Featured Article

- 12 The next generation of the world's most accurate multisensor coordinate measuring machine

## News about X-ray Computed Tomography

- 14 TomoScope® S Plus – the evolution of measuring volume and accuracy



- 16 Accuracy optimized
- 18 TomoScope® XS Plus with sub-microfocus X-ray tube
- 20 New Multi-Spectra Computed Tomography

## Werth Featured Article

- 21 Measurement of metal workpieces with compact computed tomography machines

## News about the Werth Group

- 22 Werth in China: Suzhou Werth Metrology and Dantsin Technology



- 24 CT calibration in field service
- 25 Fiber probe production
- 26 News in Brief

# Coordinate Measuring Machines with Optics, Computed Tomography and Multisensor Systems



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