

■ This is how precision works.

## Non-contact video measuring systems for tool measurement

WMTR produces high-quality measuring devices for the non-contact complete measurement of precision tools, blanks and turned parts with complex chamfers.

Get advice now at:

☎ +49 172 / 7414380



# TC-60

The TC-60 is a computer-based video measuring system for non-contact measurement of cutting tools, adapted to the Deckel S11. The system can be mounted on all standard tool grinding machines with an existing cross slide. It makes it possible to measure during the grinding process and thus correct and log deviations.

**Simply contact us about your individual application. We will be happy to advise you!**

**Video measuring system, complete with integrated computer and digitizing device:**

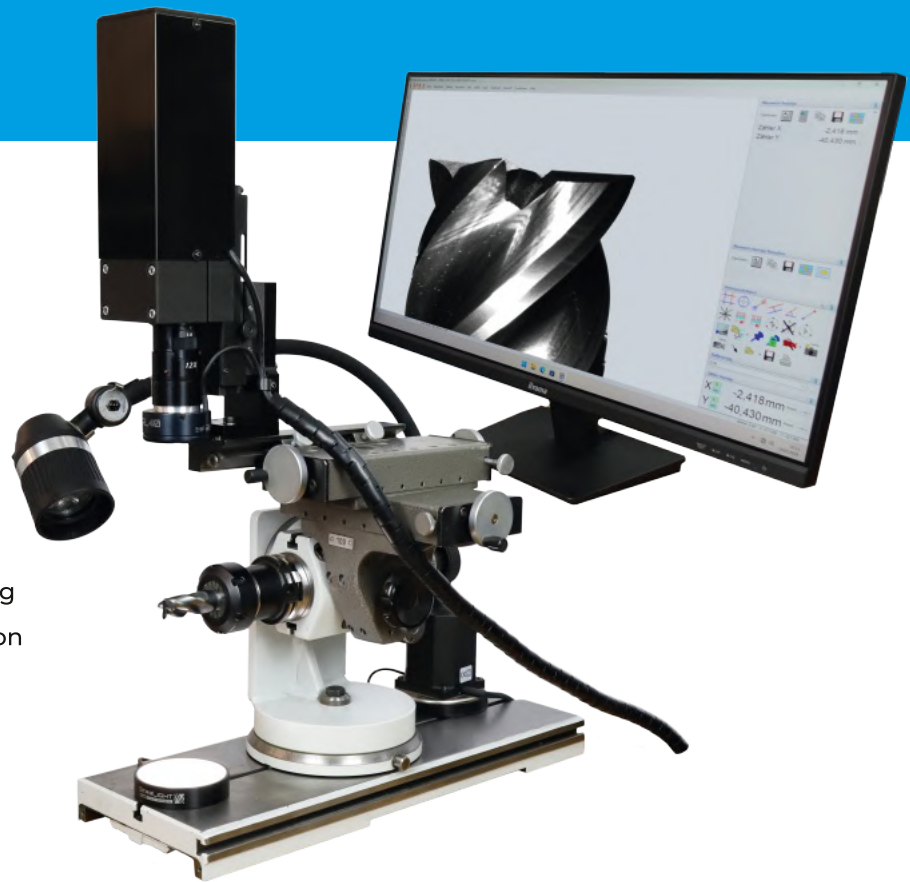
- + Shuttle Mini PC with Windows 11 Pro
- + TFT FullHD monitor, keyboard and mouse
- + LED ring light with stepless regulation
- + Plug & Play connection for common length measuring devices for digitized measurement data integration
- + VM2045 measuring software

## APPLICATION

- + Measurement by mounting on the tool grinding machine

## YOUR ADVANTAGES

- + Digitization of the measuring process
- + Simple and precise operation
- + Direct measurement without unclamping
- + Raster zoom, with up to 110x magnification
- + Support during the production process
- + Metal housing mounted on existing support arm for computer, monitor and input devices
- + Fast support via remote maintenance



# TC-210

The TC-210 is ideal for incoming goods inspection, maintenance, production and final inspection. The simplest solution for precise tool measurement of cutting, cutting, engraving and grooving tools. The TC-210 measuring device combines modular individual components with excellent technology.

**Simply insert the tool, position it, measure and you're done!**

**Video measuring system, complete with integrated computer and digitizing device:**

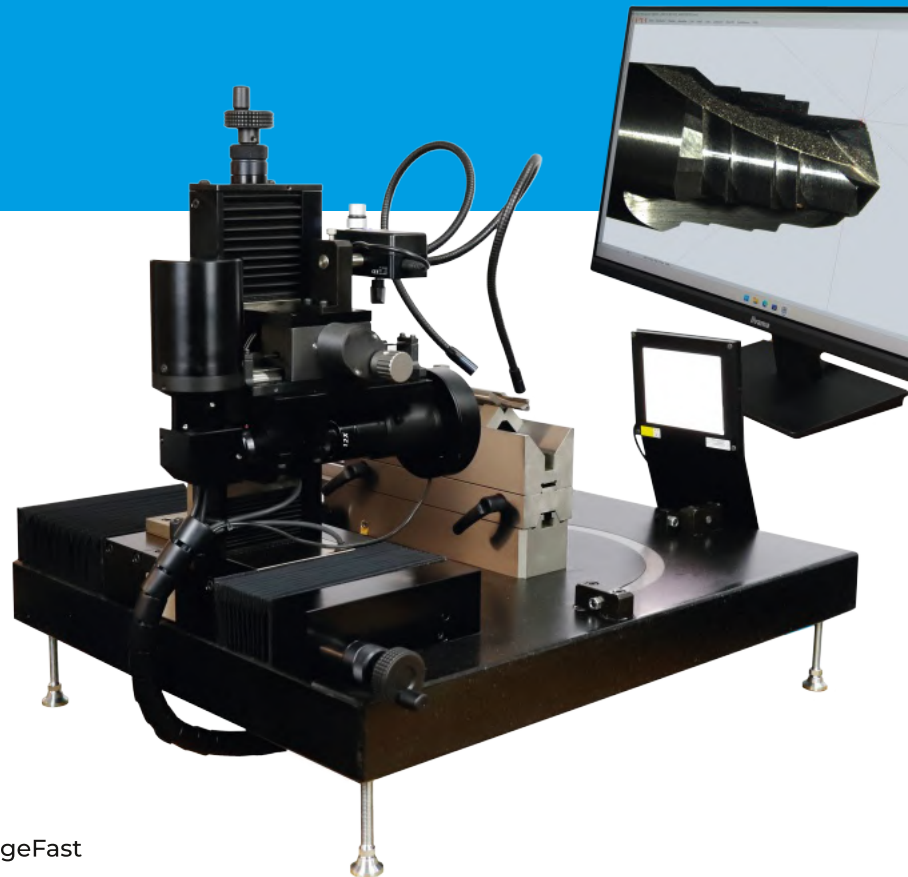
- + Shuttle Mini PC with Windows 11 Pro
- + TFT FullHD monitor, keyboard and mouse
- + Triple lighting for optimum illumination of the tool
- + VM2045 measuring software

## APPLICATION

- + Desktop unit, ideal for space-saving use directly next to the CNC grinding machine

## YOUR ADVANTAGES

- + Modular system with expandable accessories
- + Precise and simple measurement
- + Manual fine adjustment of all axes with quick adjustment, even for long tools
- + Measure any cutting edge geometries, manually and also computer-assisted
- + Precise measurement results in the  $\mu\text{m}$  rangeFast
- + Assistance via remote maintenance



## Measuring software

Simple operation, clear structure and all important measuring functions for tool geometry combined in one software. With semi-automated processes, integrated evaluation function and measurement logging, the VM2045 measuring software is perfectly optimized for economical use in a technical environment.

- + Simple operation for optical measurement
- + Internal measurement data acquisition
- + Protocols with automatic evaluation
- + Contour control using DXF drawings
- + Export of protocols to Excel® or databases
- + Multiple measurement of video images
- + Free calculation of geometries
- + Edge rounding via digital point measurement
- + Many software modules already integrated
- + Image acquisition from various sources
- + Image comparisons by overlaying (target/actual)
- + Semi-automatic measurement of geometries
- + Maintenance intervals to meet ISO 9001 criteria



We would be happy to present our measuring devices to you in a personal demonstration.

[www.wmtr-messtechnik.de](http://www.wmtr-messtechnik.de)



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