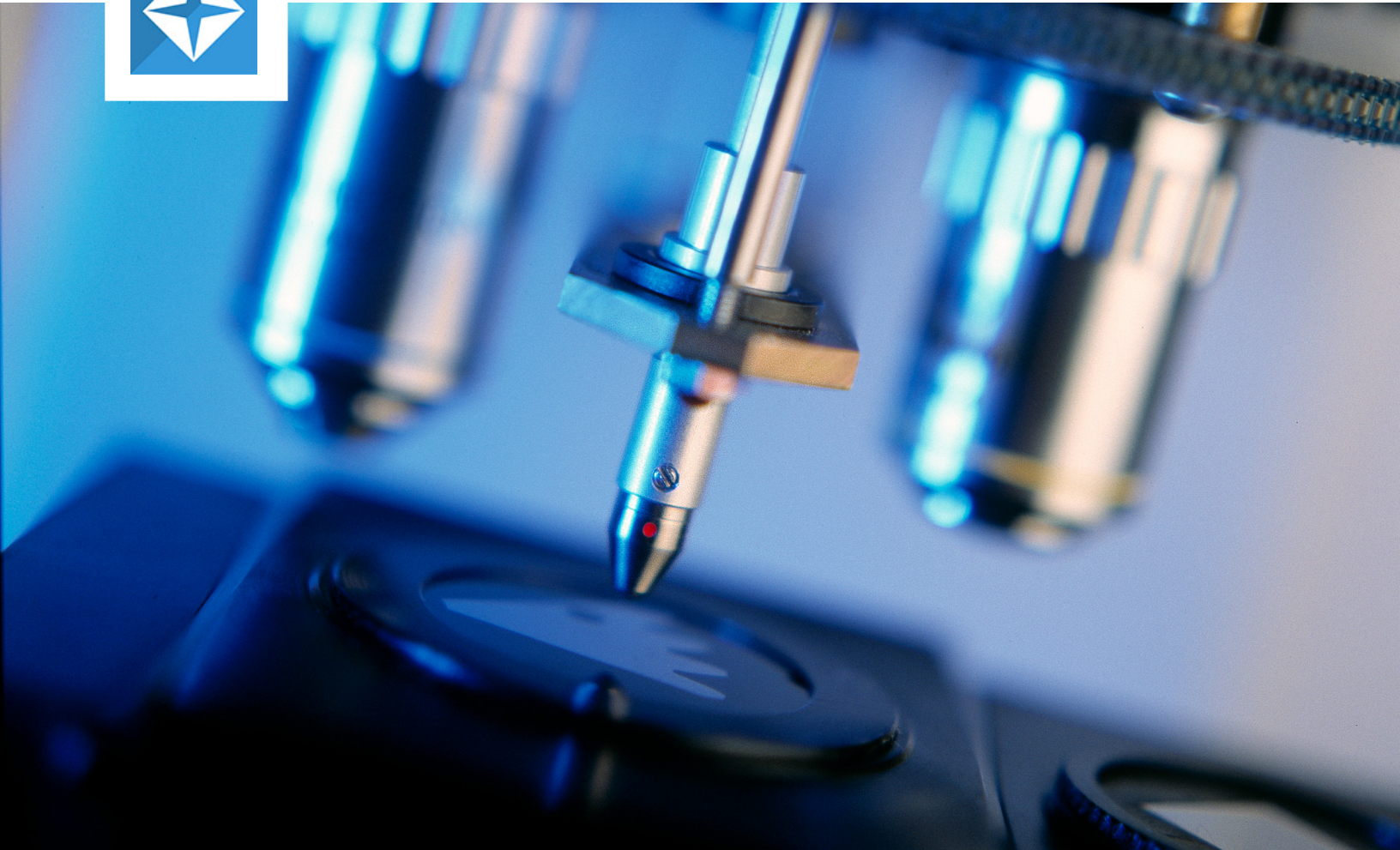# High definition in automated microhardness testing
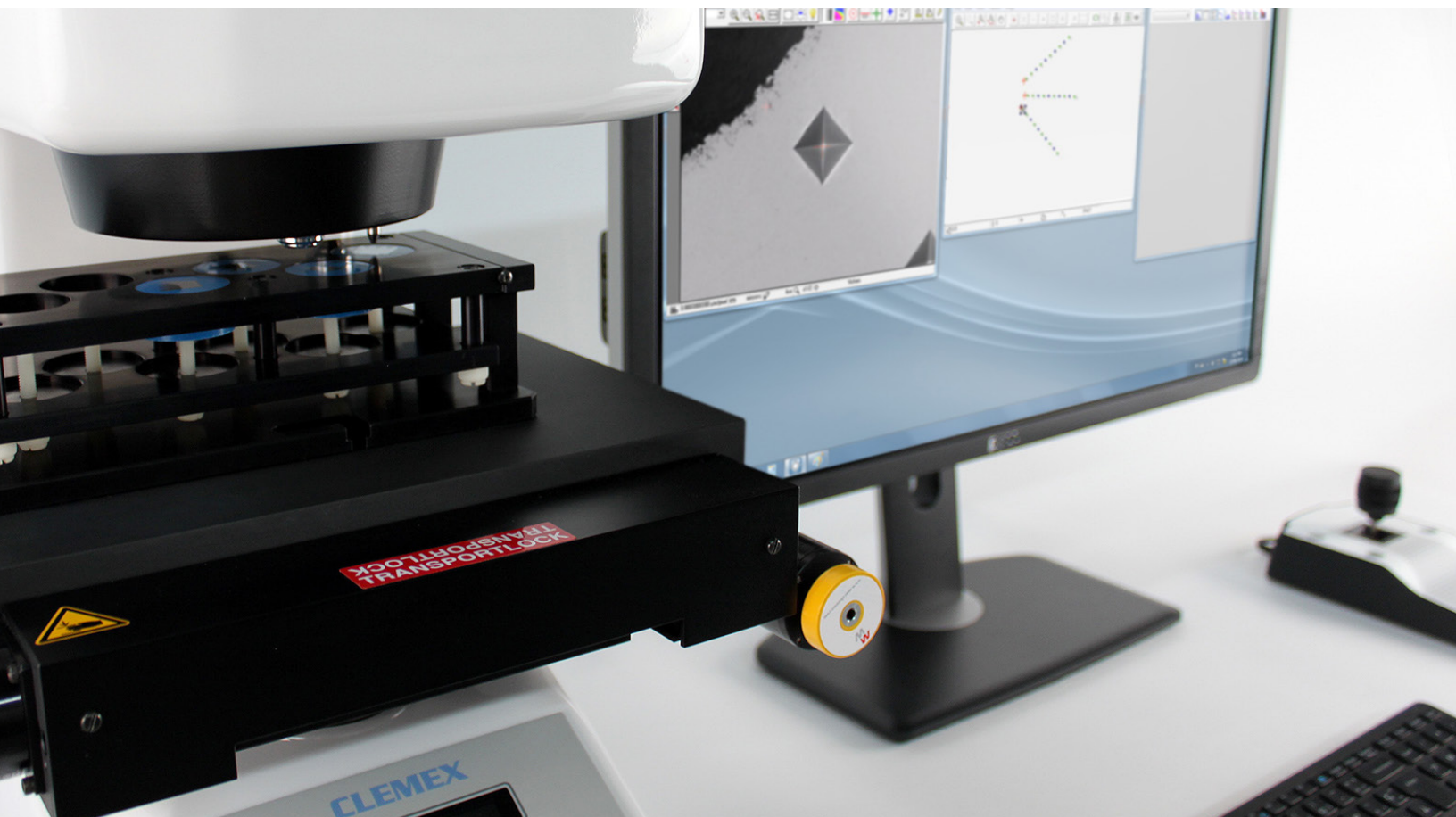

CLEMEX CMT

Reduce el tiempo de análisis con este kit de automatización y aprovecha el tiempo en otras áreas de oportunidad

Intelligent workflow

Get results in 4 easy steps with our top-of-the-line automated microhardness tester.

Higher productivity

Auto-focusing and automatic measuring and reporting allow this system to function unattended for hours, thus increasing throughput and productivity.

Understanding your challenges

Accurate positioning of indents

With its macroview of the entire sample and its annotation tools, Clemex CMT enables you to position indents precisely where they are required.

Reproducible measurements

Thanks to its high definition camera, Clemex CMT can measure indents with unparalleled precision yielding results that are perfectly reproducible.

Fully automated analysis

Clemex CMT combines ease-of-use, reliability, and auto-calibration, minimizing subjectivity associated with human intervention. Everything is automated, freeing users for other tasks.
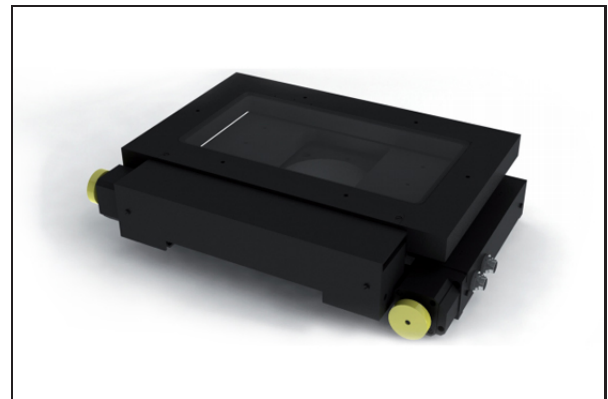
More than hardness testing

Clemex CMT adds power to your tester by turning it into a fine-tuned image analysis solution able to analyze grain size, phase area percentage, coating thickness, and more.
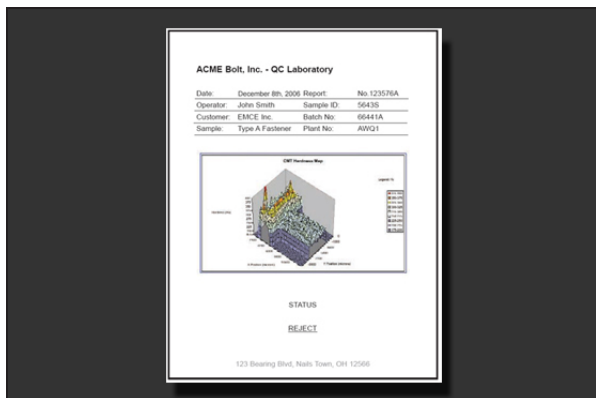
Product Features

+ Clemex Tango Desktop Controller

High-resolution stepper motor controller in a stage case. TANGO Desktop has been especially developed for demanding positioning performance in medical technology and industry. Optional.
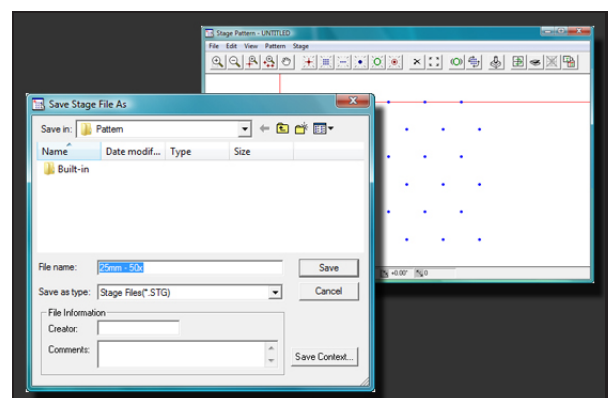

+ Marzhauser MT mot-Series Stage

Marzhauser microscope stage. Measuring range: 200 x 100 mm (8" x 4"). Repeatability: < 1 μ m. Max. travel speed: 60 mm/s, with 1 mm ball screw pitch. 120 mm/s, with 2 mm ball screw pitch. Weight: 9,000 g, Load capacity: 5,000 g. Optional.

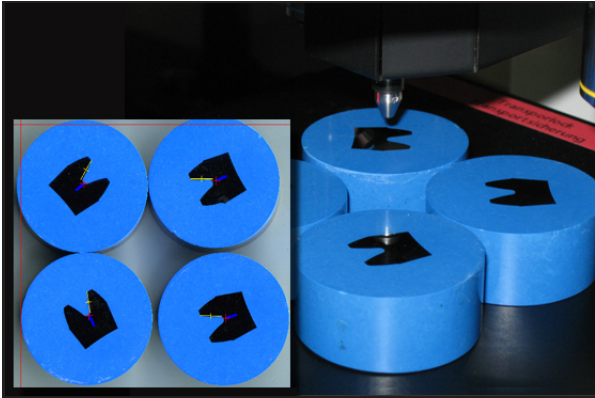
Professional Looking Reports

Print results using images and histograms directly or export data to a spreadsheet program.

Save and Reload Traverses

No need to create the same pattern over and over again. This feature is extremely useful for users who analyze the same kind of areas repeatedly. Once a pattern has been created, you can save it and re-load it later to duplicate the analysis on a new sample.

Product Features

Macroview

Get a detailed image of the whole sample in seconds. These high-res marcroview images help see microstructural changes, heat-affected and heat-treated zones, and can be saved for later use in reports or archiving.

Scanner

Using a scanner to get an overview of your sample is much faster than using a second camera. This is because there is no limit as to the area covered by the field of view. Furthermore, a scanner is an economical option and is easy to install and operate.

CLEMEX   www.clemex.com

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