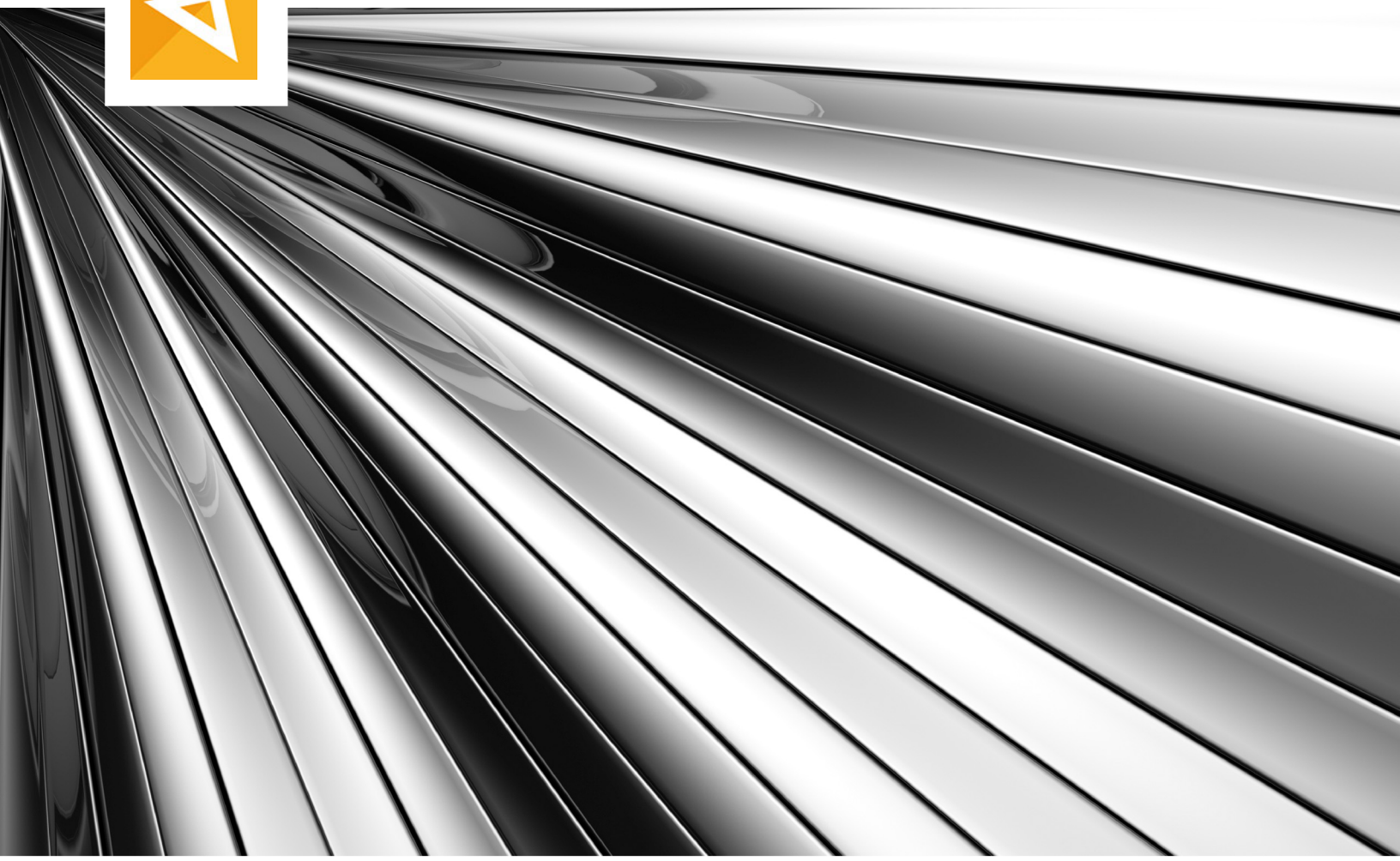
Scientific image capturing and measuring



CLEMEX CAPTIVA

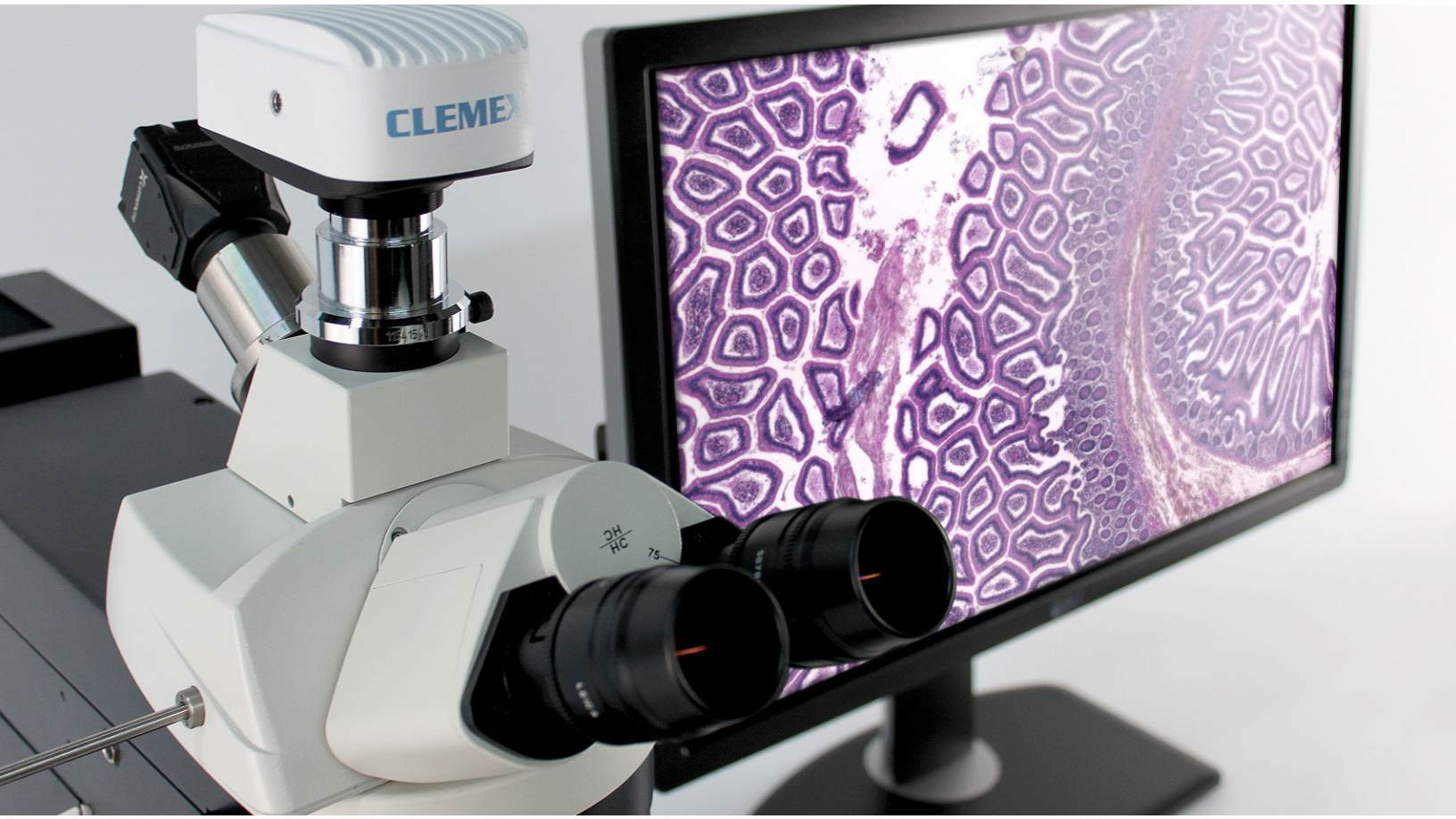
Unlimited direct measurement tools and annotations

High definition image

Digital cameras offering precision, clarity, and high definition to better analyze your samples.

Measure with precision

Accurate non-destructive measurements can be added to your images, compiled, and shared with colleagues.



Understanding your challenges

Streamline your manual measurement process

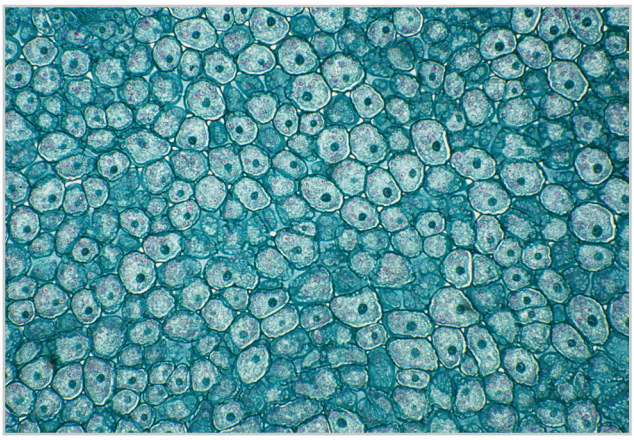
Clemex Captiva does just that. It automates the image acquisition process, then allows you to perform a series of manual measurements and produces real-time data and graphs.

A sophisticated entry-level software for busy labs

With Clemex Captiva you'll not only have an excellent image capture system but also an unlimited set of direct measurement and annotations tools at your disposal.

Scientific image capturing and measuring

Intelligent entry-level software for capturing, quantifying and sharing images. For labs seeking a robust out of the box solution for simple applications requiring non-destructive annotations and direct measurements.



Intelligent image capture

High definition image quality combined with automated shading correction, exposure and calibration make Clemex Captiva stand out among entry-level image analysis systems for its performance, flexibility and automation.

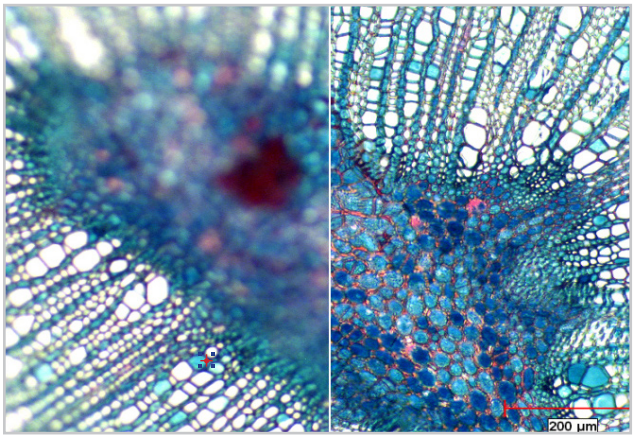
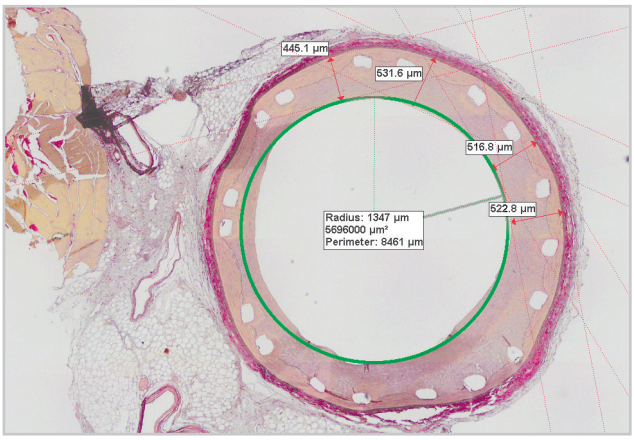


Image stitching and extended depth of field

Whether you have a motorized or manual stage, the mosaic feature seamlessly stitches multiple fields to form one composite image that can then be analyzed as a whole. This feature can be combined with a multi-layer grab option for uneven surfaces.



Automated results for direct measures

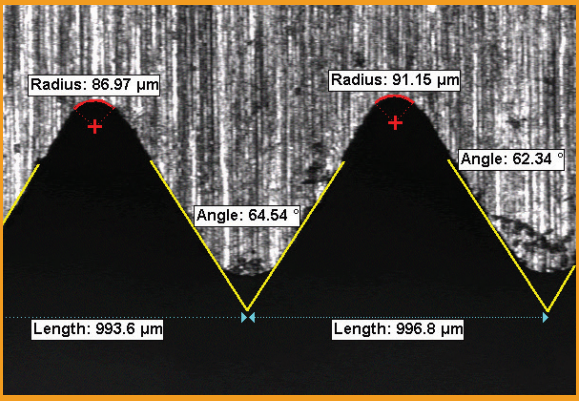
Live or stored images captured in a sequence can be analyzed manually using different measurements. Results and statistics are then produced automatically for an unlimited number of fields.

Automated image capture in 3 easy steps

With its easy-to-use interface, Clemex Captiva allows you to capture an unlimited number of images, make measurements, cumulate data, and generate statistics, with results cumulated instantly as you go. Data taken from live or stored images are automatically displayed as histograms, scatter plots, and in the browser after each measurement.

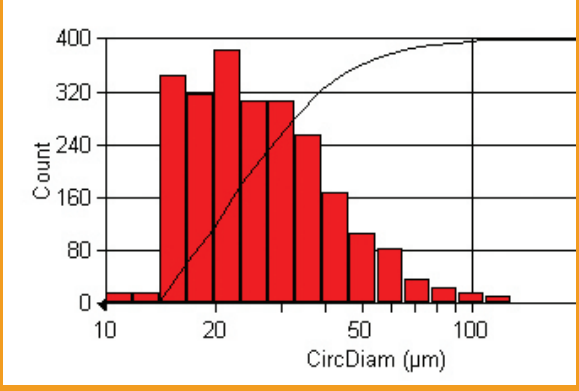
Step 1 - Capture images

A wide range of ultra-high definition monochrome or color cameras can be used to capture images quickly and easily. Analyze your images using a live feed or save high resolution images for further analysis.



Step 2 - Annotate and measure

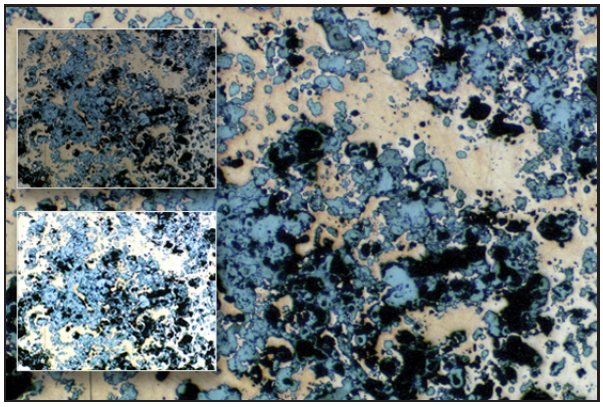
Clemex Captiva's robust annotation and direct measure tool set includes many properties and variables. An image can contain a corporate logo and comments in addition to measurements such as perimeters, areas, or angles.



Step 3 - Saved images and results

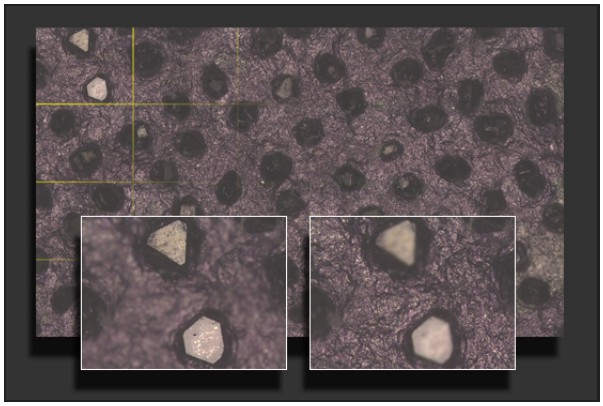
Graphs are automatically generated and data is compiled in a browser. Images and data can be exported to MS Office programs for easy reporting customized to your needs.

Product Features



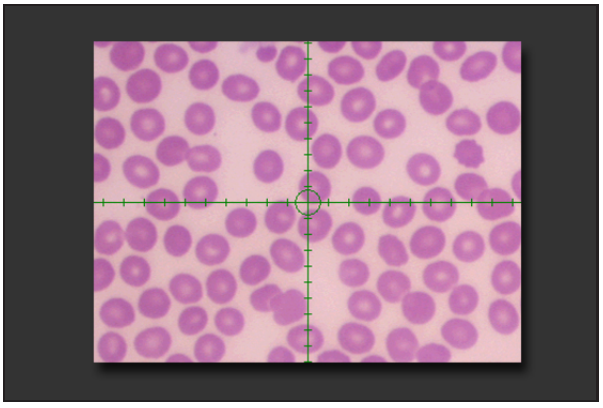
Auto Exposure

Once you have set the initial target intensity, you can duplicate lighting conditions any time with a simple click of the Auto Exposure button. Adjusting camera shutter speed manually is not necessary.



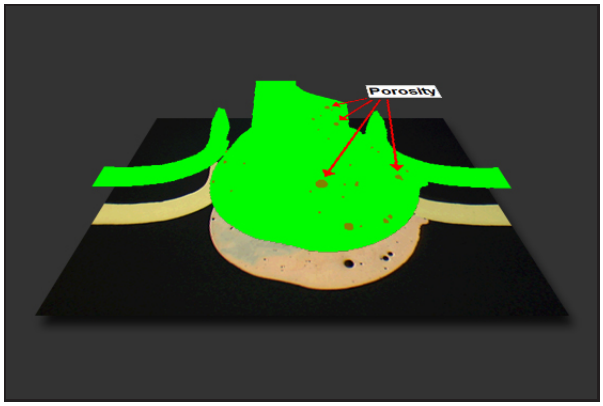
Automated Image Stitching

Clemex software can automatically stitch multiple fields to form one large image. Furthermore, this function can be combined with the multi-layer grab to reconstruct a completely focused image. Perfect for uneven oversized samples.



Centering Tool

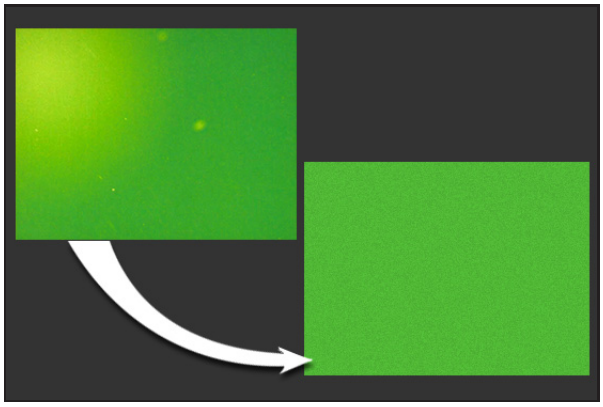
The Centering Tool allows you to keep desired features in the center of the image field when switching magnification.



Non-Destructive Annotations

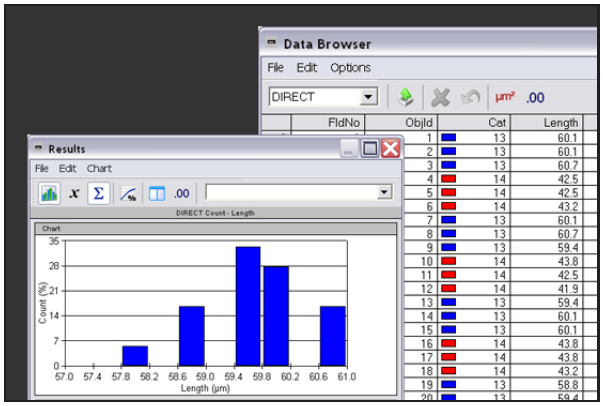
Annotations, be they logos, text, arrows, or any other shape, are not burned into the underlying image, so they can be turned on to be added in a standard report, or turned off to view the pristine image.

Product Features



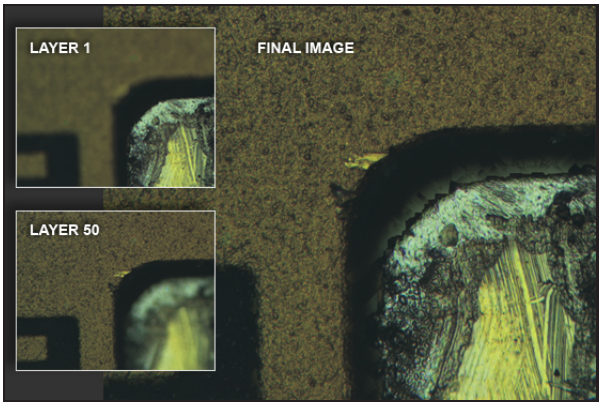
Automatic Shading Corrector

Our software's unique fully automated shading correction feature ensures even illumination for images captured using the system's camera. The image on the left was captured without a shading corrector. A pseudo-color LUT was applied to show the differences in gray levels.



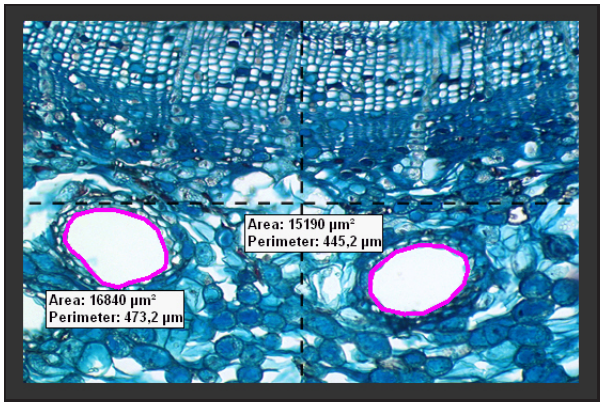
Data and Statistics

Live or stored images captured in a sequence can be analyzed manually using different measurements. Results and statistics are then produced automatically for an unlimited number of fields.



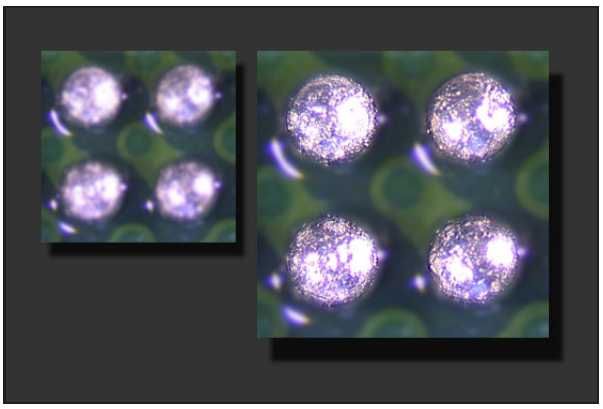
Extended Depth of Field

The Multi-Layer Grab feature allows you to work on a sharp composite image of an uneven surface, made up of several image slices captured at various depths. This function can adapt to either manual or motorized focus systems.



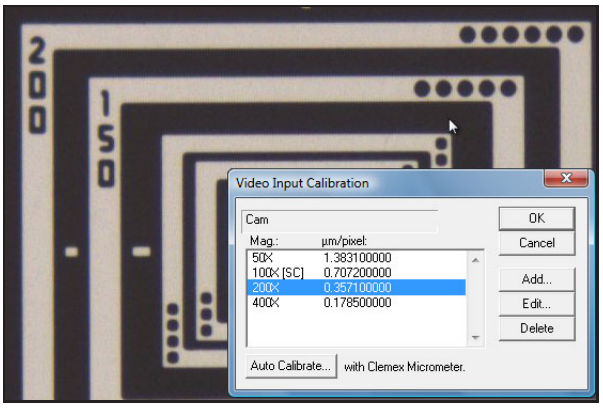
Measure Composite Images

Perform direct measurements on stitched images made up of several or many fields of view. Particularly useful when measuring objects which extend beyond the field of view of your chosen magnification.



Auto Focus

No need to focus manually, automated focusing offers precision and speed. Quality results depend on image clarity and with Clemex that is what you get. With the Auto Focus you will always end up with a perfectly detailed image to rely on for your measurements.

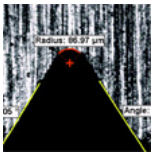


Calibration Settings

Calibrate your system manually or automatically. Associate different calibration settings for each objective lens or camera. Store an unlimited number of settings to be used later at the touch of a button.

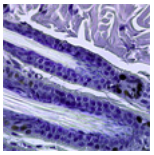
Related Web Reports

Manual measurements on seat tracks



Direct measurements on screw thread

Direct measurements on skin tissue



Direct measurements on skin tissue

A Commitment to Excellence in Imaging

Clemex are experts in complex and simple microscopic image analysis applications in:

- Raw Materials
- Powders
- Metal Parts
- Contaminants
- Custom Applications

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Defining Intelligent Microscopy

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