Clemex **Vision Lite**

Capture, Measure, Analyze

the image **analysis** people

Acquire, Measure, Analyze with

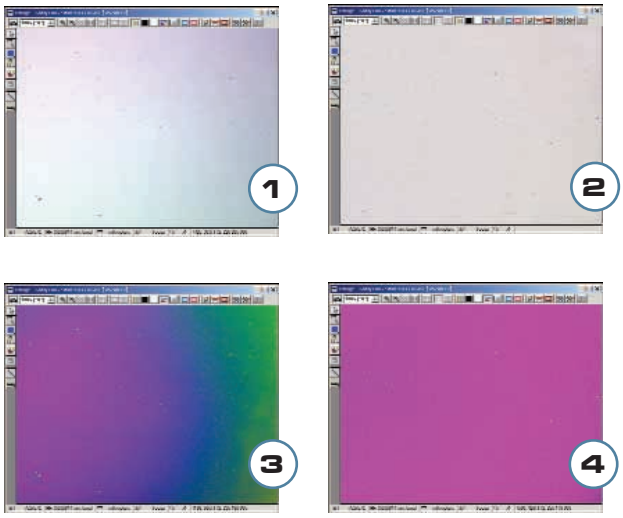
Clemex Vision Lite

Clemex Vision Lite is a flexible yet affordable software solution that enables you to acquire, measure and even analyze your images using pre-built imaging routines. From basic image acquisition, to adding non-destructive annotations, to performing manual and automated measures, Clemex Vision Lite is the right choice if you do not require advanced toolsets for developing complex image analysis routines.

Even Lighting Made Simple

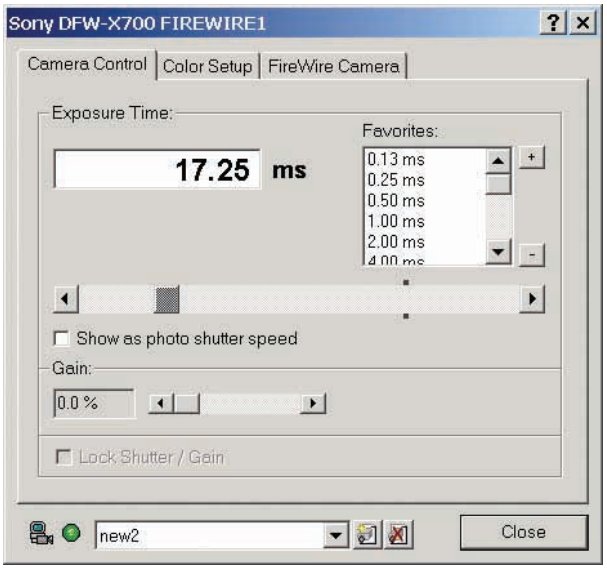
Ever experienced situations where your image was not evenly illuminated? With Clemex Vision Lite's unique shading corrector feature, you can ensure that your image is uniformly lit from corner to corner.

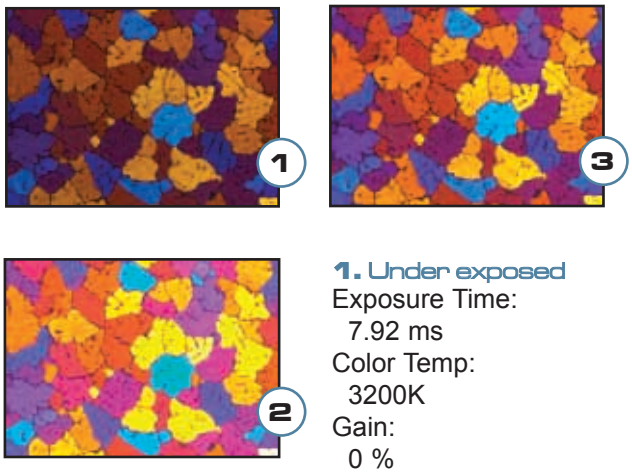
1. Before applying shading corrector
2. After applying shading corrector
3. Image displayed in pseudo-color, before shading
4. Image displayed in pseudo-color, after shading



Camera Control

With the built-in camera control interface for digital and analog cameras, when calibrating each objective, you can adjust camera settings including color balance, intensity, gain, white balance and other parameters. Once calibrated, all settings are automatically saved and you never have to worry about manually adjusting your lighting conditions again! Images below demonstrate various camera settings:





1. Under exposed
Exposure Time:
7.92 ms
Color Temp:
3200K
Gain:
0 %

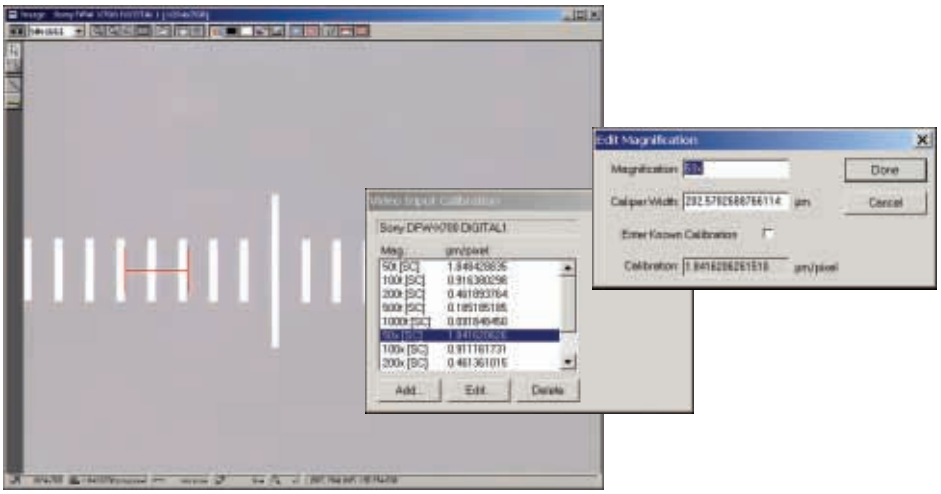
2. Over exposed
Exposure Time:
27.38 ms
Color Temp:
3200K
Gain:
0 %

3. Correct
Exposure Time:
17.25 ms
Color Temp:
3200K
Gain:
0 %

Multiple Calibration Settings

With Clemex Vision Lite's intelligent calibration feature, you can associate a different calibration setting for each objective or camera. Store an unlimited number of calibration settings. Set it up once and never have to worry about calibrating your images unless you replace your camera or objectives!

Calibration box enables you to automatically or manually enter calibration parameters.



Optional Stage and Auto-Focus Kit

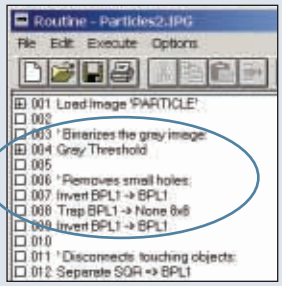
For high throughput environments, the *optional* motorized stage and auto-focus kit is highly recommended. Adaptable to all major microscope brands, you can significantly increase your productivity while taking advantage of some key Clemex Vision Lite software features such as image stitching, 3D image reconstruction and object tracking.

Application Modules

Pre-configured imaging routines are the way to go when time is of the essence and you need results fast. Set up your camera, load up the selected application module (imaging routine), modify the routine if necessary and then click start. You can easily get the data you need in a matter of seconds. From metallography, to mineralogy, to pharmaceutical, to biotechnology applications, browse our on-line library and choose the application modules you require today.

STEP 1

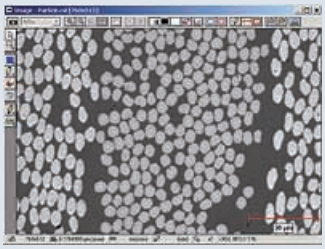
Modify Routine if necessary

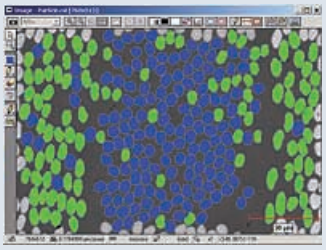


and then start Application Modules

STEP 2

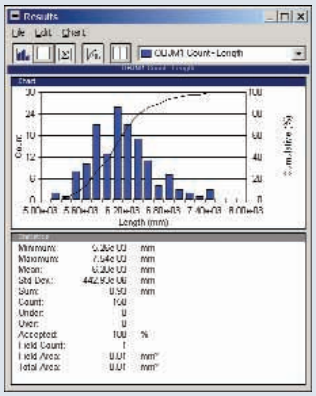
Automatic Analysis





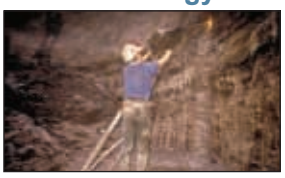
STEP 3

Results Output



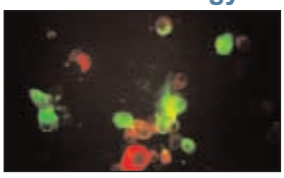
Metallography

Mineralogy



Pharmaceutical

Biotechnology



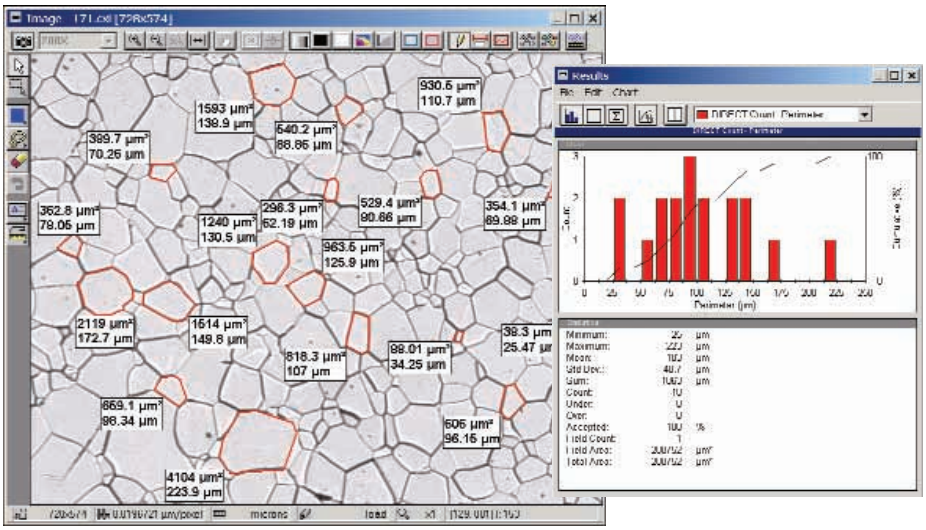
and more...

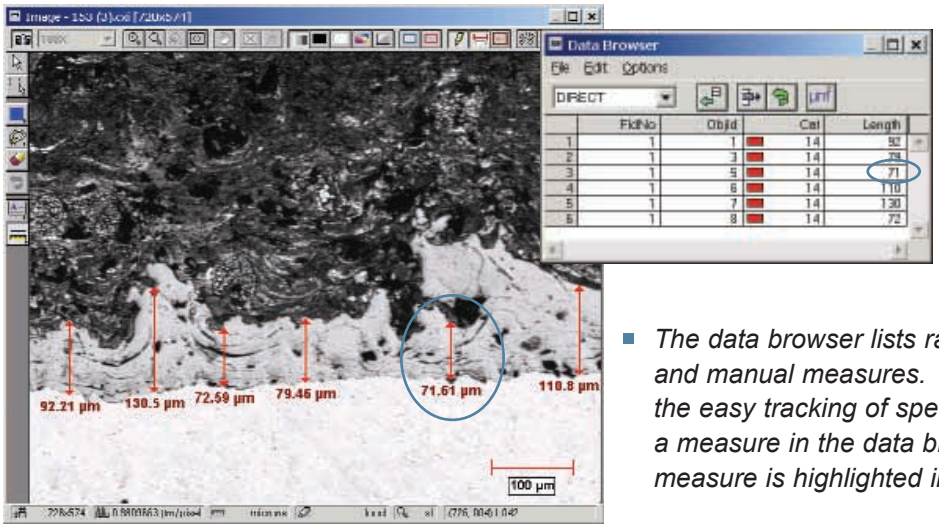
Visit our web site at **http://www.clemex.com/appmodules.asp** for a complete selection of optional application modules…

Point-to-Point Direct Measures

Whether you need to measure perimeters, areas, lines, angles, curve radius or any other feature within your images, Clemex Vision Lite's robust direct measure toolset enables you to extract the data you need fast! Nifty features such as controlling decimal places, location of flag, or even color of lines can intuitively be controlled within the property box of the software's direct measures.

- *Measures are graphically displayed in configurable summary histogram formats.*

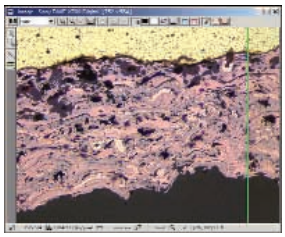


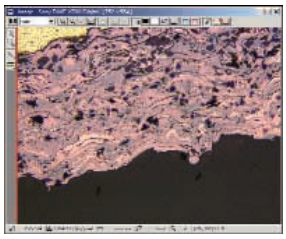


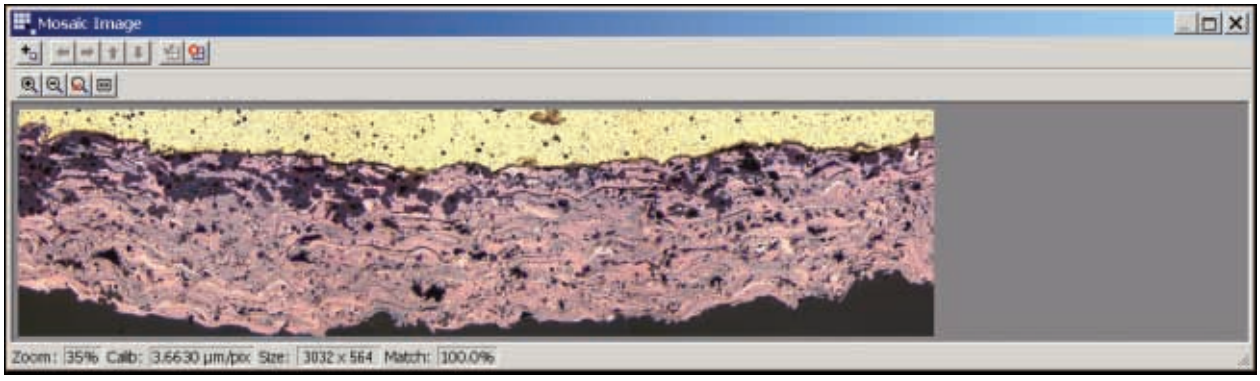
- *The data browser lists raw data for automatic and manual measures. Just one click allows for the easy tracking of specific measures. Select a measure in the data browser and the actual measure is highlighted in the image window.*

Interactive Image Stitching

Forget tape and scissors! With the image-stitching feature, stitch multiple images easily with pattern matching technology on screen to form one large composite image. Colored guidelines and bi-directional arrow tools allow you to properly align each image tile.

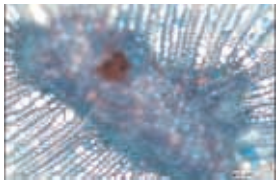




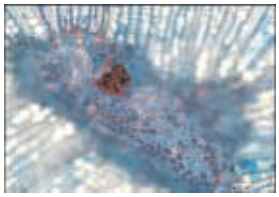


Multi-Layer Grab

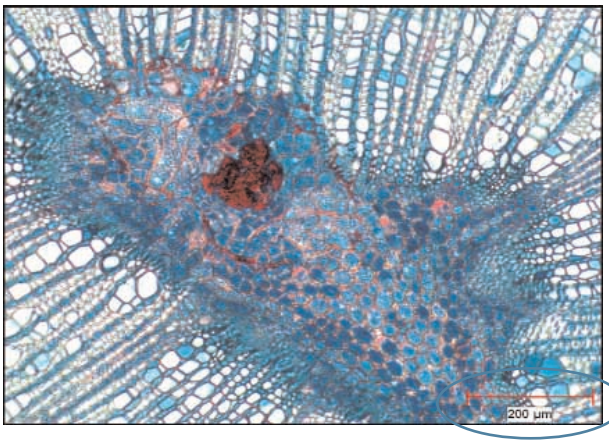
Focusing on uneven surfaces can be troublesome. With the multi-layer grab function, intelligent software slices your image at varying z-intervals to reconstruct a completely focused image. Below is an example of birch wood magnified at 50x captured using fifteen layer and reconstruction.



Layer 1



Layer 10



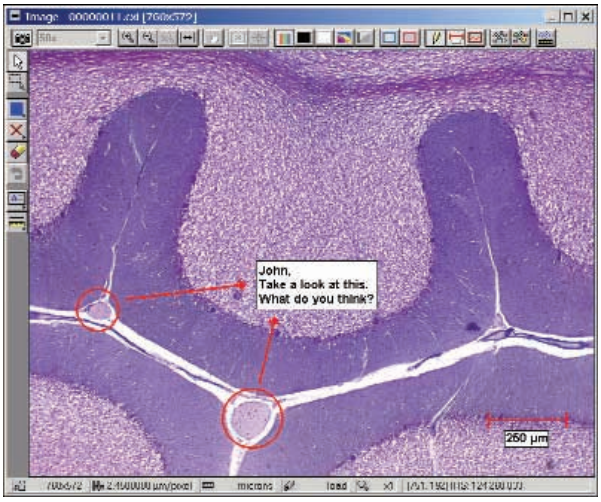
Reconstructed Image

- *Scale line instantly displays correct setting based on chosen magnification.*

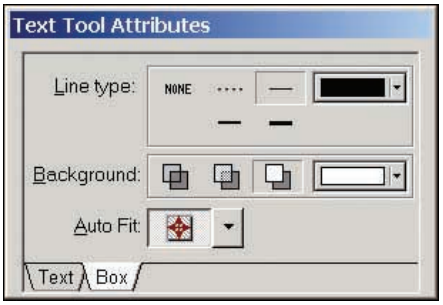
Annotation Feature Highlights

Non-Destructive Annotations

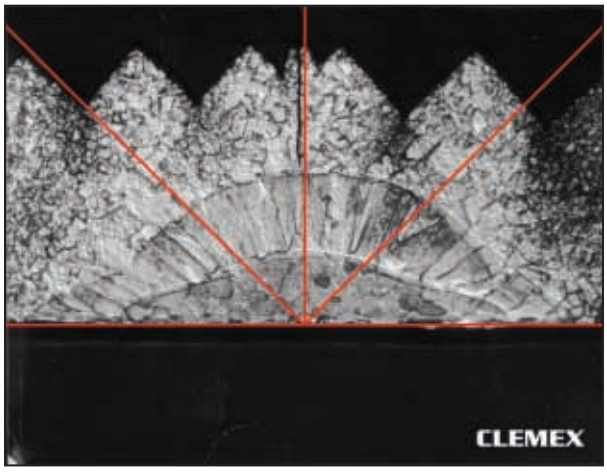
Flexible annotation tools allow you to add company logos, text boxes, ellipses, squares, lines, polygons or arcs. Properties including line thickness, background color and opaqueness, font and text positioning can easily be controlled with each entity's annotation pop-up box. Images can then be saved in industry standard TIFF format with a non-destructive layer where annotations can be turned on or off.



- *Annotation dialogue property boxes give you complete control over look and feel.*



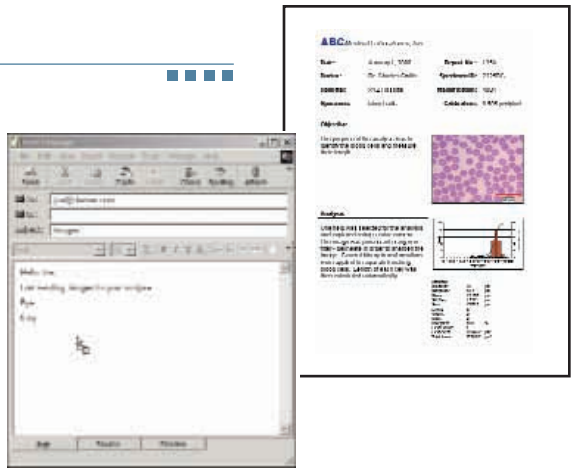
Non-Destructive Overlays



- *Non-destructive annotations such as lines and bitmaps for company logos can automatically appear in all images.*

Report and Storage Features

Report and Image Sharing with Email

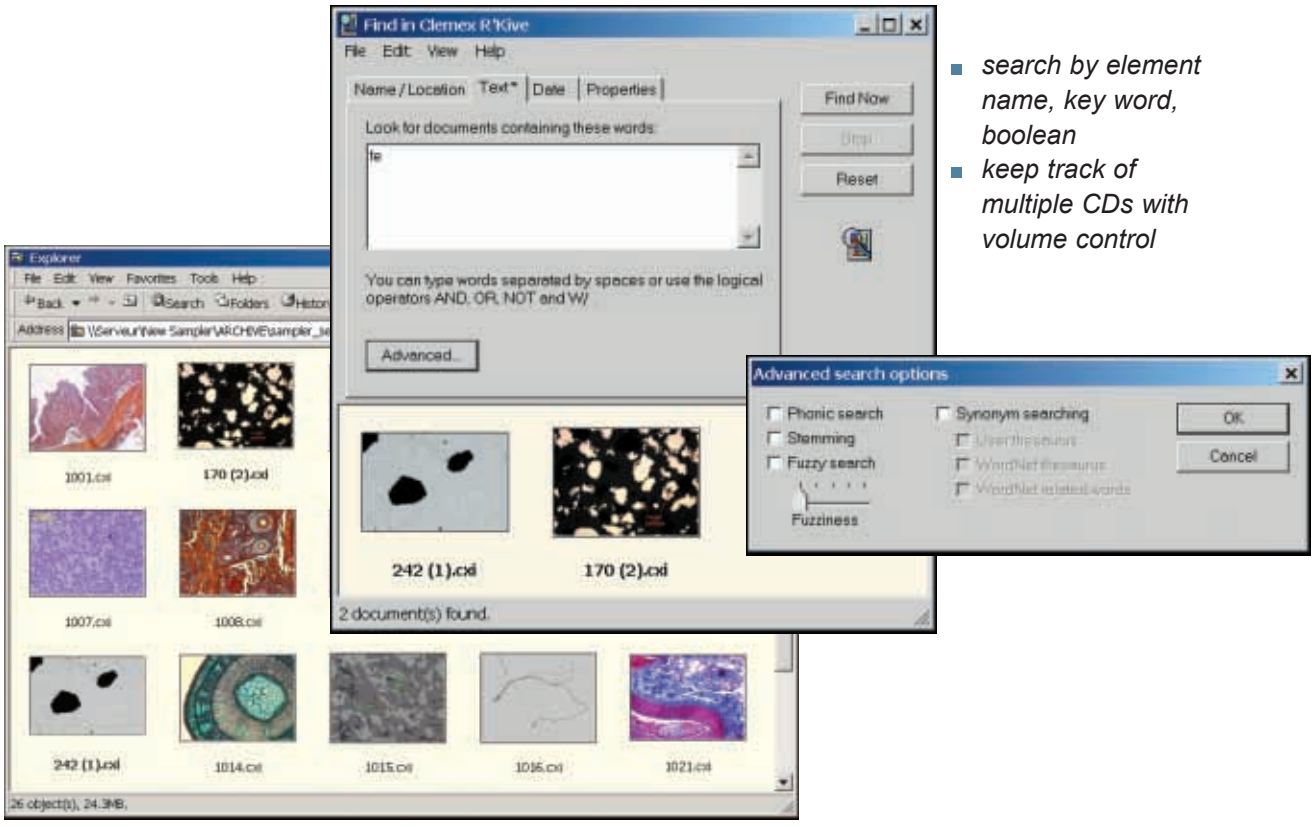


Create multiple templates in MS Word. When you need to create a report, either use the insert image object function in MS Word, or drag 'n drop your image from Clemex Vision Lite's image window. It's that simple!

Need to send images to colleagues or customers by email? Simply drag 'n drop your image from the Clemex Vision Lite image window to a MS Outlook e-mail message window. Your email program instantly creates a file attachment. Click send and you're done!

Clemex R'Kive Explorer (optional)

Keeping track of your images is a snap with Clemex R'Kive Explorer - an *optional* archiving package. Just drag 'n drop your images, assign properties, preserve the integrity of your files with security features, or conduct extensive searches according to numerous parameters.

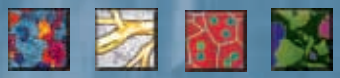


- *search by element name, key word, boolean*
- *keep track of multiple CDs with volume control*

Clemex Technologies Inc.
800 Guimond, Longueuil, QC J4G 1T5

Tel: 450.651.6573
Fax: 450.651.9304

info@clemex.com
www.clemex.com



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