CLEMEX intelligent microscopy

Material Solutions

Optical Image Analysis in Material Sciences

1. Cotton fibers
2. Paint coating
3. Hardness of bolts
4. Braking pads structure
5. Steel inclusion
6. Fiber diameter

Clemex Image Analysis Solutions for **Materials**

Versatile Image Analysis

Clemex Vision PE
From measuring grain size to counting particles, *Clemex Vision* is an intuitive software program that empowers the user to easily develop custom image analysis macros without writing a single line of code!

Clemex Vision Lite
Clemex Vision Lite captures, measures and even analyses images using pre-built imaging routines (Clemex Application Packages) or simple images.

Clemex Application Packages (compatible with Clemex Vision PE and Vision Lite)
No need to spend hours designing complex image analysis routines, in the Application Packages, the routines have been pre-built and can be modified according to customized needs.

Particle Size and Shape

Clemex PSA300
This is a stand alone counter top instrument for particle size and shape analysis. Information is rapidly generated on thousands of particles as small as 0.5 micron and compiled into statistical data as the analysis takes place.

Clemex Powder Disperser
Clemex Powder Disperser is a dry, free-flowing powder disperser used to "uncluster" particles so that they might be easily observed and differentiated on glass slides for Image Analysis by Optical Microscopy.

Inclusion Rating Analysis

Clemex CIR
A unique software application for automated inclusion rating in steel, Clemex CIR is offered as part of a complete turnkey imaging system.

Hardness Testing

Clemex CMT
Fully ASTM E-384 compliant, *Clemex CMT* is a powerful, easy-to-use micro-hardness testing instrument that enables you to quickly extract accurate and repeatable results.

Particulate Analysis

Clemex Particulate Filter
This system can handle standard size circular paper filters. Large fibers, overlapping fibers, and small, tiny dirt particles are all identified in the same run.
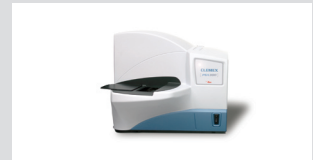
Capture, Measure, Annotate

Clemex Captiva
Capture images from multiple devices and share information with your colleagues or customers by easily adding non-destructive annotations and applying a host of direct measures.

Clemex Vision PE

Clemex PSA300

Clemex Powder Disperser

Phase Analysis Package

Clemex Particulate Filter

Clemex Particulate Filter

Clemex Camera