SOFTWARE

The software is compatible with all cameras mentioned in table below. Besides live imaging the software captures images in various formats and video in .avi format

IMAGE FOCUS 4
DC.1300c

IMAGE FOCUS PLUS	
VC.3031(-HDS)	DC.2000f
VC.3036(-HDS)	DC.5000f
	DC.12000f

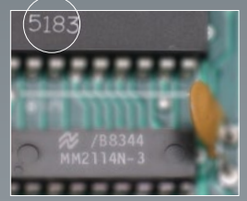
IMAGE FOCUS ALPHA	
MZ.4700(-HDS)	DC.5000-WiFi-4
MZ.4702(-HDS)	DC.6000i
	DC.20000i
VC.3039(-HDS)	DC.6000s
VC.3043-(HDS)	DC.12000s
VC.3045-(HDS)	DC.20000s
VC.3048-(HDS)	DC.5000-Pro
	DC.10000-Pro
	DC.20000-Pro
	DC.32000-PRO

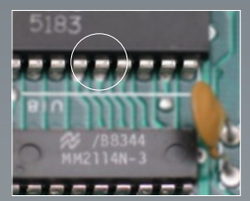
IMAGE STITCHING

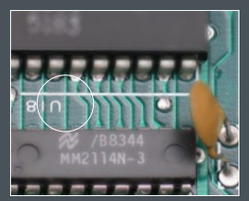
Image stitching is the process of combining multiple images with overlapping fields of view to produce one image

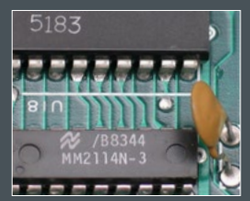
EXTENDED DEPTH OF FOCUS

"The extended depth of focus" function in the ImageFocus Alpha software or "stacking software, allows to combine a number of digital images of a object, focused at different focus planes, into one final image with much greater depth of field (see illustration below)









ImageFocus

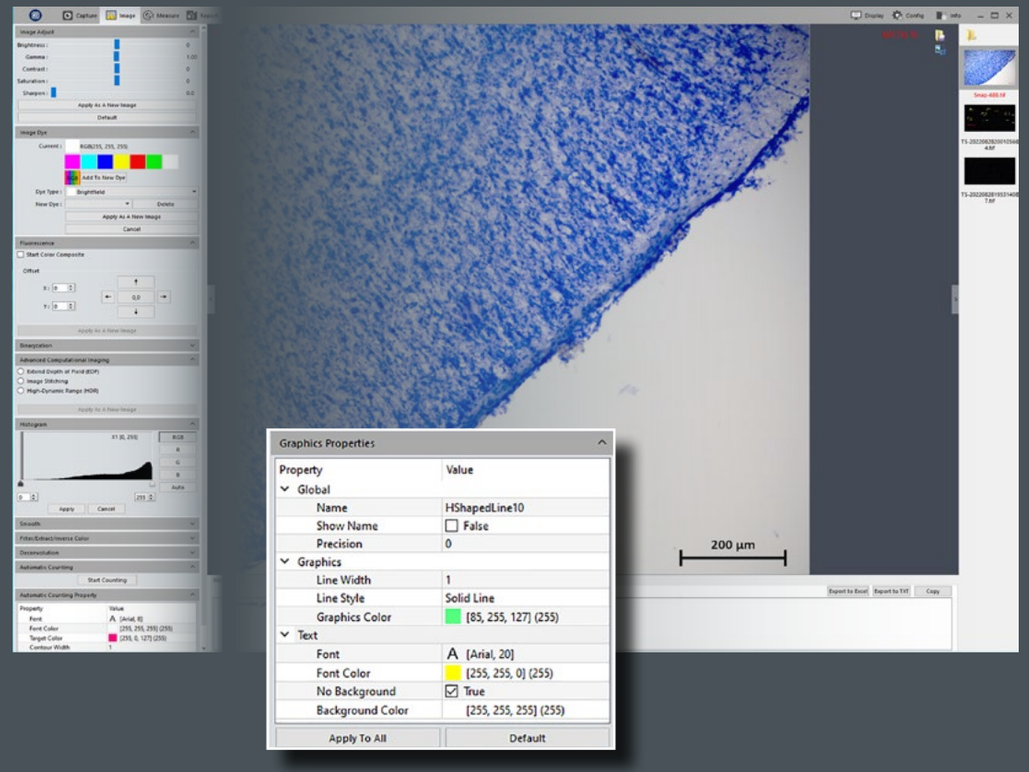
FREE UPDATES AVAILABLE ON EUROMEX.COM

ImageFocus Plus
software

ImageFocus Plus has a wide range of functions:
Measurements on still and live image
Extended depth of focus and stitching on still and live image (only with VC.3036 and VC.3031 cameras)
Images can be saved in .jpg, .tif, .bmp or .dicom formats as well as .avi and mpeg-4 format videos
The brightness, contrast and saturation of captured images can be adjusted
Camera parameters for exposure time, white balance and color control are easily accessible
The software also has specific functions for fluorescence such as combining captured fluorescence images
Compatible with Windows 10 and higher, both 32 and 64 bits configuration. A Mac OS version is also available
PC requirements: Intel Core2 2.8 GHz or higher or equivalent, 2 GB memory or more, 17" screen

ImageFocus Plus software features English, German, French, Dutch, Spanish and Russian

downloads

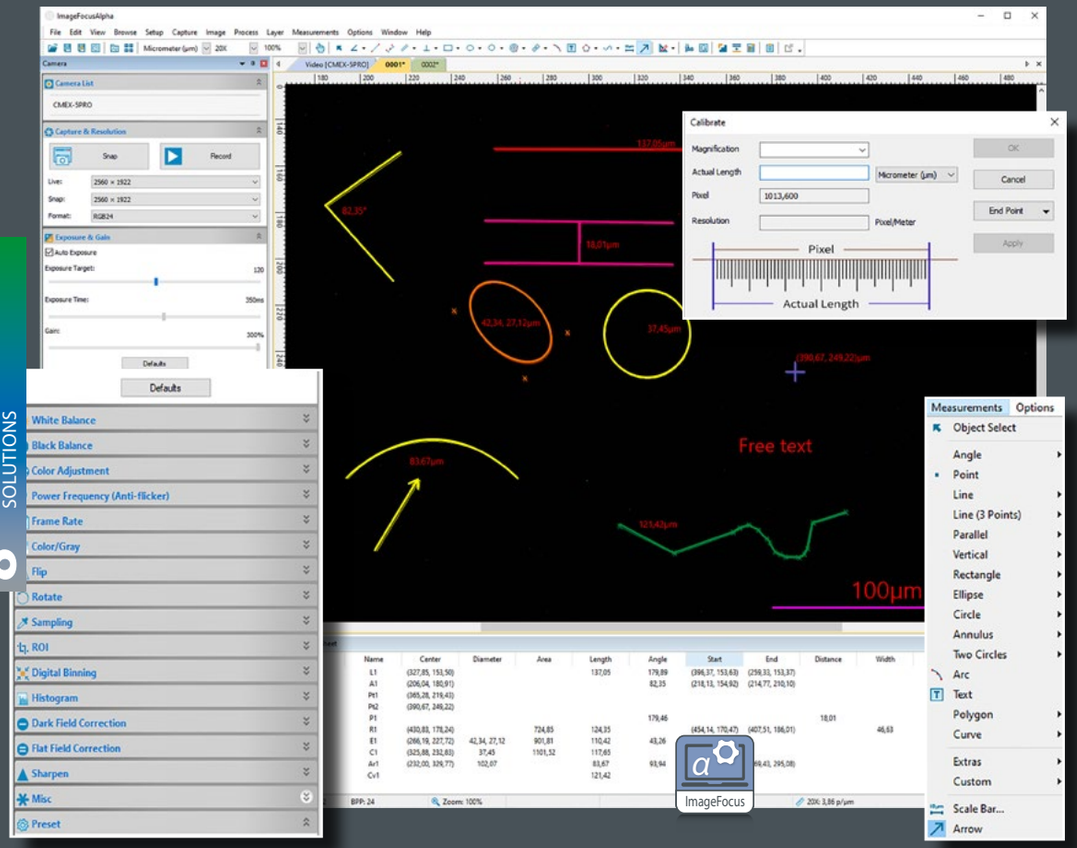


ImageFocus Alpha
software

ImageFocus Alpha has a wide range of functions:

- Measuring, segmentation & counting, stichting of images, extended depth of focus, etc
- Images can be saved in .jpg, .tif, .bmp or .dicom formats as well as .avi format videos
- The brightness, contrast and saturation of captured images can be adjusted
- Camera parameters for exposure time, white balance and color control are easily accessible
- The software also has specific functions for fluorescence such as combining captured fluorescence images
- Compatible with Windows 10 and higher, both 32 and 64 bits configuration. A Mac OS version is also supplied (with a few differences in features)
- PC requirements: Intel Core2 2.8 GHz or higher or equivalent, 2GB memory or more, 17" screen

One language can be selected during initial installation of the ImageFocus Alpha software English, Catalan, French, German, Indonesian, Italian, Japanese, Korean, Polish, Russian, Simplified Chinese, Spanish, Thai, Traditional Chinese, Turkish



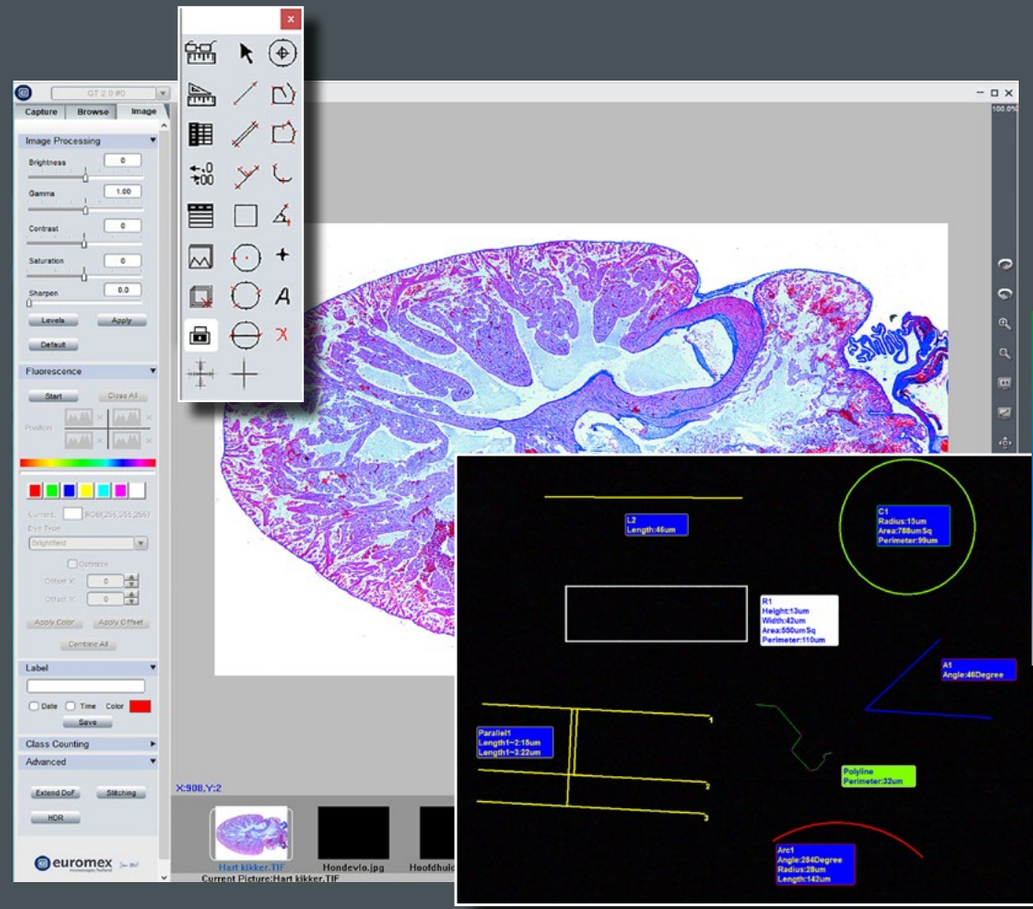
ImageFocus 4
software

ImageFocus 4 has a wide range of functions:

- Measurements can be done on still and live image
- Images can be saved in .jpg, .tif, .or .bmp formats as well as .avi format videos
- The brightness, contrast and saturation of captured images can be adjusted
- Camera parameters for exposure time, white balance and color control are easily accessible
- The software also has specific functions for fluorescence such as combining captured fluorescence images
- Compatible with Windows 10 and higher, both 32 and 64 bits configuration. A Mac OS Light version is also available for capturing images*
- PC requirements: Intel Core2 2.8 GHz or higher or equivalent, 2GB memory or more, 17" screen

** Mac version not available for VC Series*

One language can be selected during initial installation of the ImageFocus 4 software: English, German, French, Dutch, Spanish and Russian



ImageFocus

ImageFocusLabs

software for materials science

ImageFocusLabs is specifically designed to support your daily microscopy routines, micro-imaging and microstructure analysis. With an intuitive and user-friendly interface, the software streamlines your quality control procedures, improving both accuracy and consistency

Easy to use control panels guide you step-by-step through each analysis, removing guesswork and ensuring reliable, repeatable results

TWO EDITIONS – SCALABLE TO YOUR NEEDS

ImageFocusLabs is available in two versions. These two options ensure a tailored solution for every laboratory. Software is supplied on a encrypted, licensed USB-dongle.

ImageFocusLab Grain size:
Includes Image capture +
Manual and Auto Measurements tools
Manual Count, Annotations
ASTM Grain Size analysis as per ASTM E112
Product number: SW.1051-G

ImageFocusLab Cast iron size:
Includes Image capture +
Manual and Auto Measurements tools
Manual Count, Annotations
Cast Iron analysis as per ASTM A247
Product number: SW.1051-C

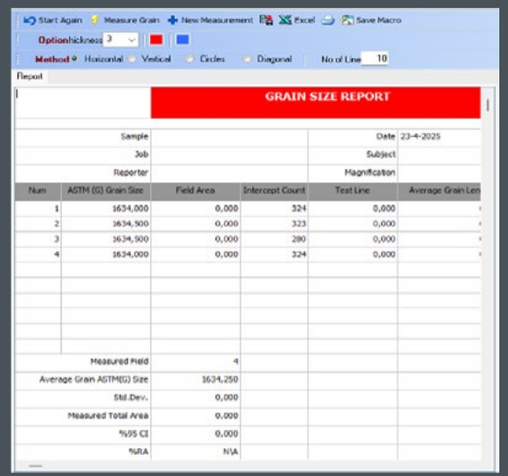
OPTIMIZED FOR EUROMEX MICROSCOPY SYSTEMS

ImageFocusLabs is engineered for seamless integration with Euromex CMEX-PRO and sCMEX cameras, as well as the full range of Euromex metallurgical and stereo microscopes. With this perfect synergy between hardware and software, Euromex delivers a complete turnkey solution for high-performance metallurgical analysis and documentation

Key features

CUSTOMIZED REPORTING & USER SUPPORT

- Automatically compiled report sheets for all measurements according to industry standards
- Easy export to Excel
- Add your company logo, calibration scale, annotation text and arrows
- Save images with measurement overlays
- Access the built-in user manual with one click

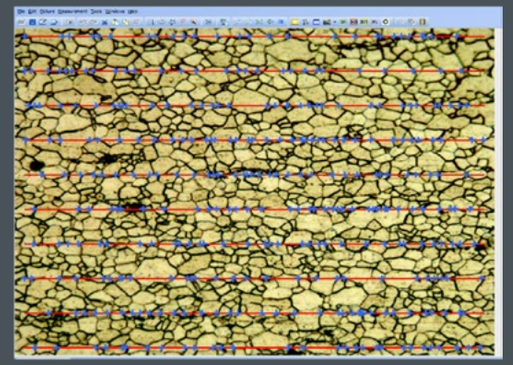


Grain size analysis

Grain boundaries are detected automatically

Calculates grain size using:

- Horizontal, vertical, diagonal and circular intercept methods
- ASTM Grain Size Number (G value)
- 95% Confidence Interval and Relative Accuracy (RA)
- Comprehensive reporting included

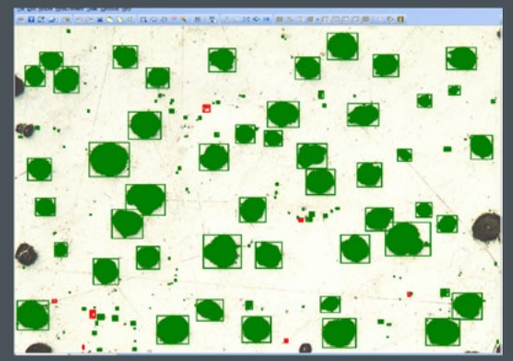


Cast iron size analysis

NODULARITY ANALYSIS

Conforms to ASTM A247, automatically measures graphite percentage, nodule density per mm^2, nodularity by area and count, classification and color-coding from class 1 to 8, ferrite and pearlite matrix percentages

Results are automatically compiled into a clear, structured report with multi-image statistics



PHASE ANALYSIS (%)

Segment and quantify metallurgical phases like Ferrite, Pearlite and Graphite using threshold-based selection.

SPHERICITY

Calculates the percentage of round (spheritized) graphite particles: (based on ASTM A247)

Adjustable shape factor (default 0.6), counts spherical and non-spherical particles, includes pore/particle size distribution tables and color-coded classifications

PARTICLE SIZE & PORE ANALYSIS

Detect and measure micro-objects or pores, categorize by radius and diameter and export full results to Excel.

GRAY IRON & FLAKE ANALYSIS

Analyzes and classifies graphite flakes:

Measures flake length and class

Calculates average % graphite, Ferrite and Pearlite

All data integrated into a single report