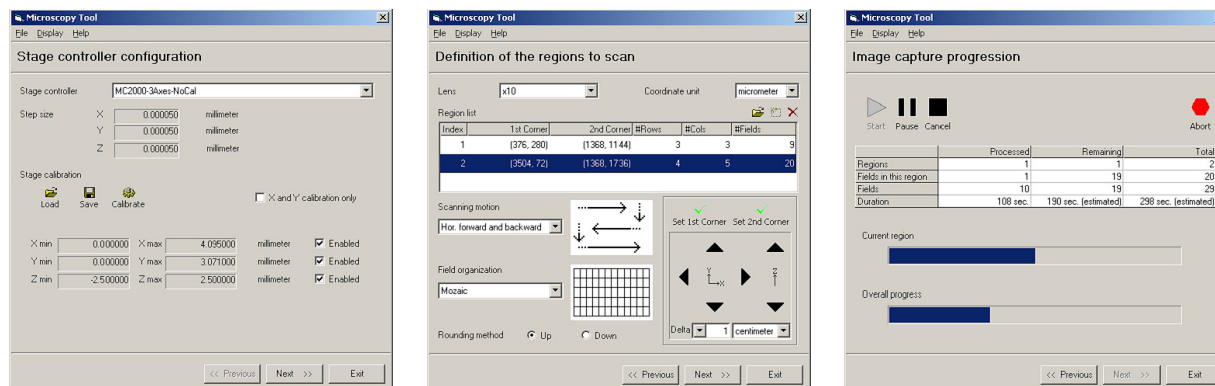




Microscopy Tool

Microscope System Stage & Operation Control

The Microscopy Tool provides convenient access to and use of controls for precision, optical microscope systems. For example, users can fully control the motion of a microscope's stage in the X, Y, and Z directions. The Microscopy Tool uses ActiveX[®] components to control the stage and to capture single or multiple images from an attached camera. This tool can be used from within the Aphelion[™] development environment or it can function as a stand-alone application.



Screen captures generated by a custom application based on the Microscopy Tool

The Microscopy Tool is well documented so users can easily setup the interface to the microscope system. Motion control codes are available in an editable file to let users adapt these codes to their own specific uses or for non-supported stages. This tool supports Maerzhaeuser stages. (For information on these stages see www.maerzhaeuser.de.)

Controls provided by the Microscopy Tool:

- Initialization and reset to absolute value coordinates
- Motion in X, Y, and Z
- Auto-focus techniques
- Scanning method (e.g., direction, number of fields, etc.)
- Image capture (mono or multi-field)
- Camera functions

Note: All controls available through the Aphelion[™] Developer environment or the Microscopy Tool as a stand-alone application.

Users in the medical, metallurgy, and material analysis fields can now utilize the processing power of Aphelion[™] Developer, combined with this extension tool, to analyze large fields of complex data. For instance, low resolution pre-screens can be combined with higher resolution analysis on specific areas of a specimen that warrant more attention.

APHELION[™] MICROSCOPY TOOL ALLOWS USERS TO:

- Process images and control the stage in the same environment
- Interface to any microscope stage in an open programming environment
- Interface stage control components with other Aphelion[™] imaging products
- Perform auto-focus using advanced tools
- Automate the capture of specific areas of interest

All trademarks and registered trademarks used herein are the property of their respective owners.



P. O. Box 6473
Monroe Twp., NJ 08831-6473

Tel: (877) 664-8772
Fax: (609) 944-8855
Web: www.AmerinexImaging.com