DCI
MICROSCOPY

DCI Microscope Encoded Stage

Build perfect image mosaics (Images stitching) of hundreds* of fields, in a matter of minutes, to easily measure parts, objects, phase(s), to up to 100mm in travel with a +/- 10µm accuracy (0.01%). The encoded stage is a great asset for acquiring high-resolution mosaics for documentation or image analysis.

* UP TO 600 2.3 Mpixel images using DCI Imaging suite

100 x 90 mm XY travel range

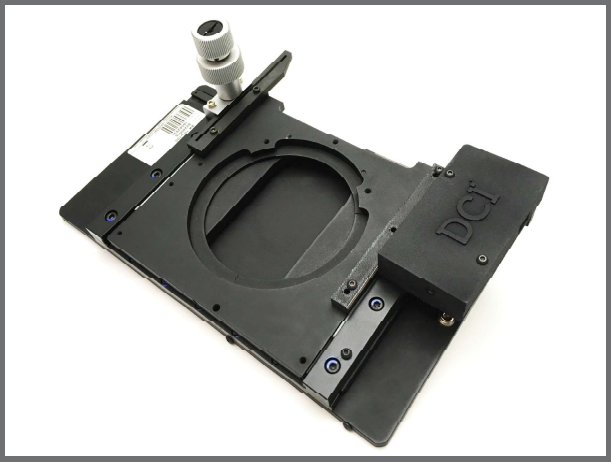
German Built dual moving plates mechanical stage, cross roller bearings, low backlash, short ergonomic XY coaxial knobs.

10 microns precision on full range

Transmitted or Reflected light configurations (Metal insert plate, Glass insert plate or Glass slide holder at choice).

Fits directly on Leica DM series microscopes or Olympus round dovetail models.

Adaptors offered for several other microscope models.



No external CONTROLLER. Connects directly to PC via USB port.

No external Power Supply. Powered from USB port.

North-American built electronics, simple command library custom software interfacing.

Connects directly to DCI Imaging Suite software.

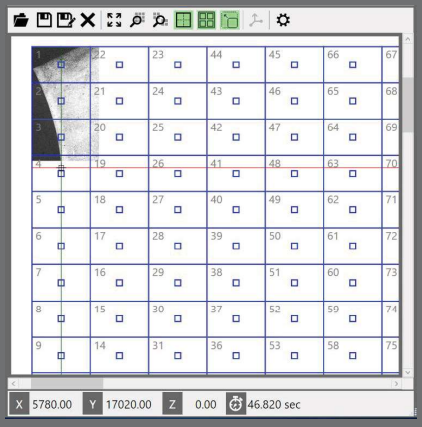
Easy image stitching with DCI encoded Stage and image capture software:

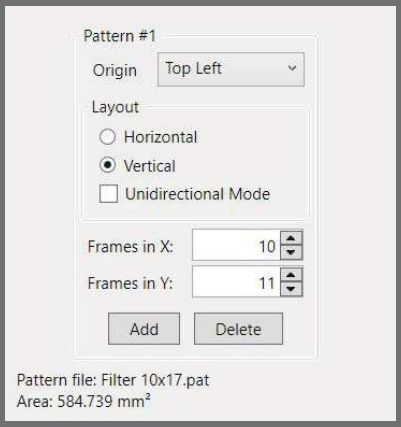
1- Define a stage pattern large enough to coverthe desired area.

2- Select starting point.

3- Cover every fields until the sample is scanned.The image capture is triggered by the stage position, not by the image.This ensures superior accuracy of the images positions, since the capture is not depedent of the image texture or sharpness.

4- Press the "Build Mosaic" button.





Examples of mosaics aquired by DCI Capture Software and DCI's encoded stage:

Canadian 10 cents coin, 100X, 14x20 fields

47mm paper filter, 50X, 25x16 fields (400), 27760x27059 pixels (about 751M pixels)

Crack in steel, 100X color image, 19152x19154 pixels (about 336 M pixels).

www.dcimicroscopy.com
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