

Stitcher XTension

With the Stitcher XTension you can stitch together datasets acquired as separate tiles. After the installation of the XTension you find the function “Stitch Datasets” in the Image Processing menu.

1. In the dialog window click on the button “Open” and select the file path.
2. The coordinates of your tiles are encoded either in the file name (e.g. “file name_X..._Y..._Z....tif”), or the coding is not obvious by looking at the file name. Then, the files are “content coded”, that means, that in the content of the file series the coordinates are stored. Depending on your file format select “File names” or “File content”.
3. Check the box “Flip Y” if you want to flip the y-axis.
4. In the Layout overview you see a preview of the stitching in detail.
5. Normally the individual images are captured with a certain overlap. As “Overlap” type in the x, y, and z overlap in voxels.
6. Check the box “Adjust Intensities” if you want to adjust the intensities before the stitching.
7. Before stitching you can limit the translation by specifying a maximum shift. If you set as “Max Shift” 0,0,0, then the alignment algorithm is skipped when you press the “Stitch!” button. This is useful in order to see how good or bad your initial choice of overlap is.
8. Click on the button “Stitch!” to start the Stitching.