

Quick Guide

Operating HT microscopes

1. Initialization



① Turn on the microscope by turning the knob clockwise. Power on 30 minutes before use to allow laser stabilization.

② Turn on the PC or reboot while the microscope is turned on.

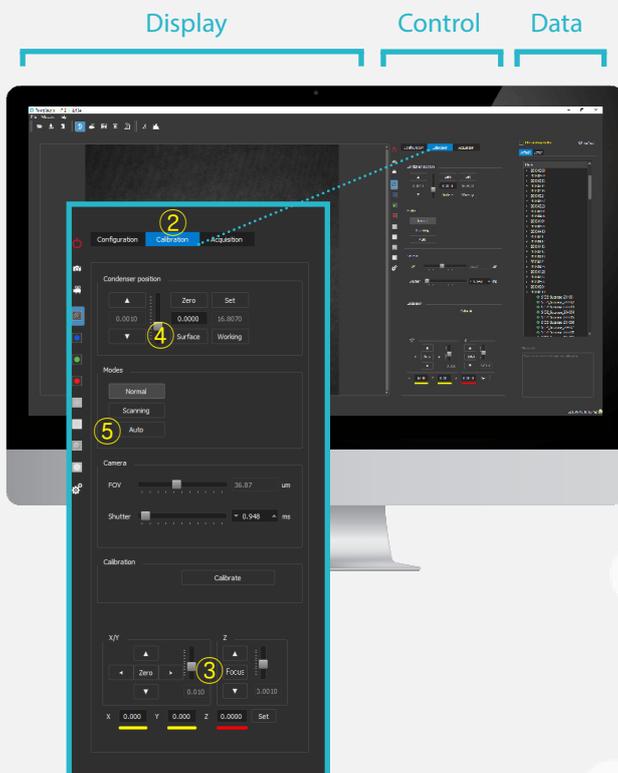
③ Open TomoStudio on the desktop.



④ If the connection between the microscope and the computer has been made, you will see a Microscope icon on the top left toolbar.

⑤ Click the Microscope icon to activate.

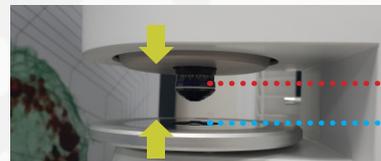
2. Sample Mounting & Lens Adjustment



① Put the sample on the stage
(If you use a H model, ensure you have applied water to the top of the objective lens and the sample coverslip)

② Click the "Calibration" tab in the "Control" panel

③ Click "Focus" to move the objective lens

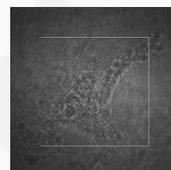


Condenser lens

Objective lens

④ Click "Surface" to move the condenser lens

⑤ Click "Auto" to move the condenser lens to an approximate focus position



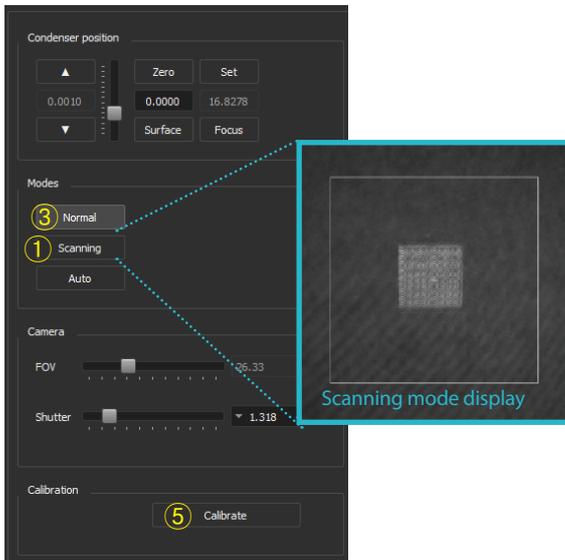
X



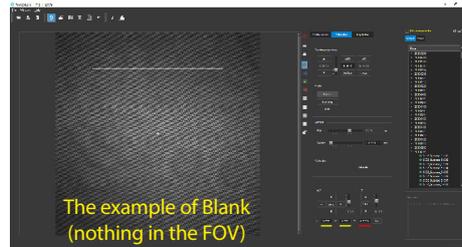
O

* Tip: The focus is correct when there is maximum edge sharpness to the cell
(The edge is almost invisible)

3. Calibration



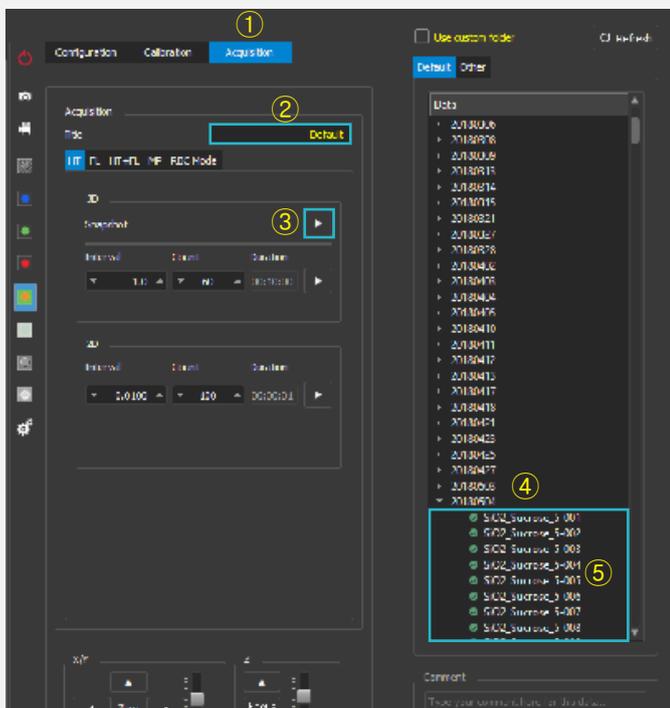
- ① Click the "Scanning" button
- ② Adjust the condenser lens until the grey-colored square box is stationary
- ③ Click the "Normal" button to go back to the live view
- ④ Move to a blank area to ensure an effective calibration



- ⑤ Click "Calibrate" button

* Please ensure that no halo appears on the screen during the software calibration. Should any halo effect occur then find another blank area.

4. Acquisition



- ① Click the "Acquisition" Tab
- ② Write the experiment title or description
- ③ Click the "Snapshot" button
- ④ An image file will appear in the data table
- ⑤ Right-click to process & open the image