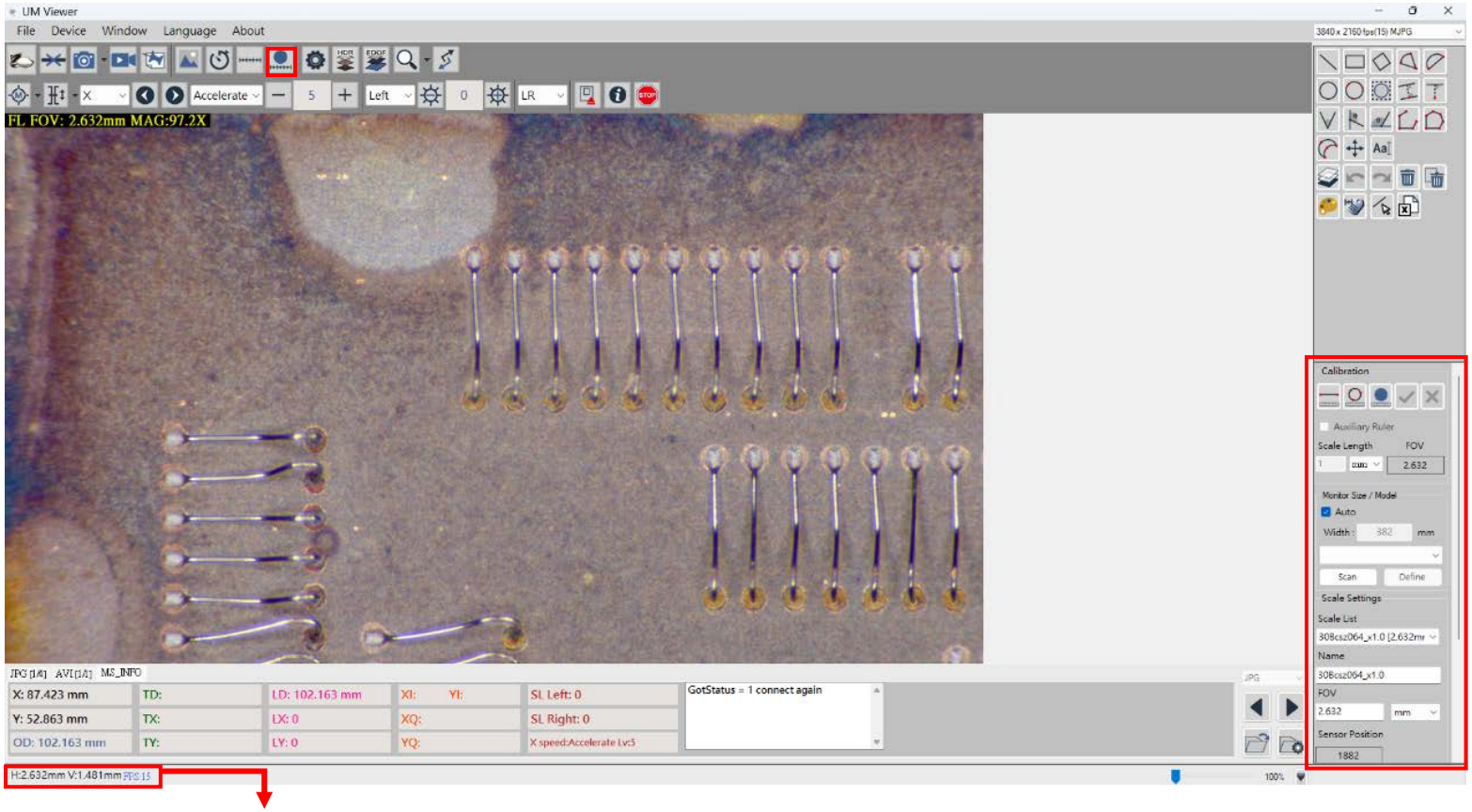
How to Set Pitch Intervals Accurately According to FOV

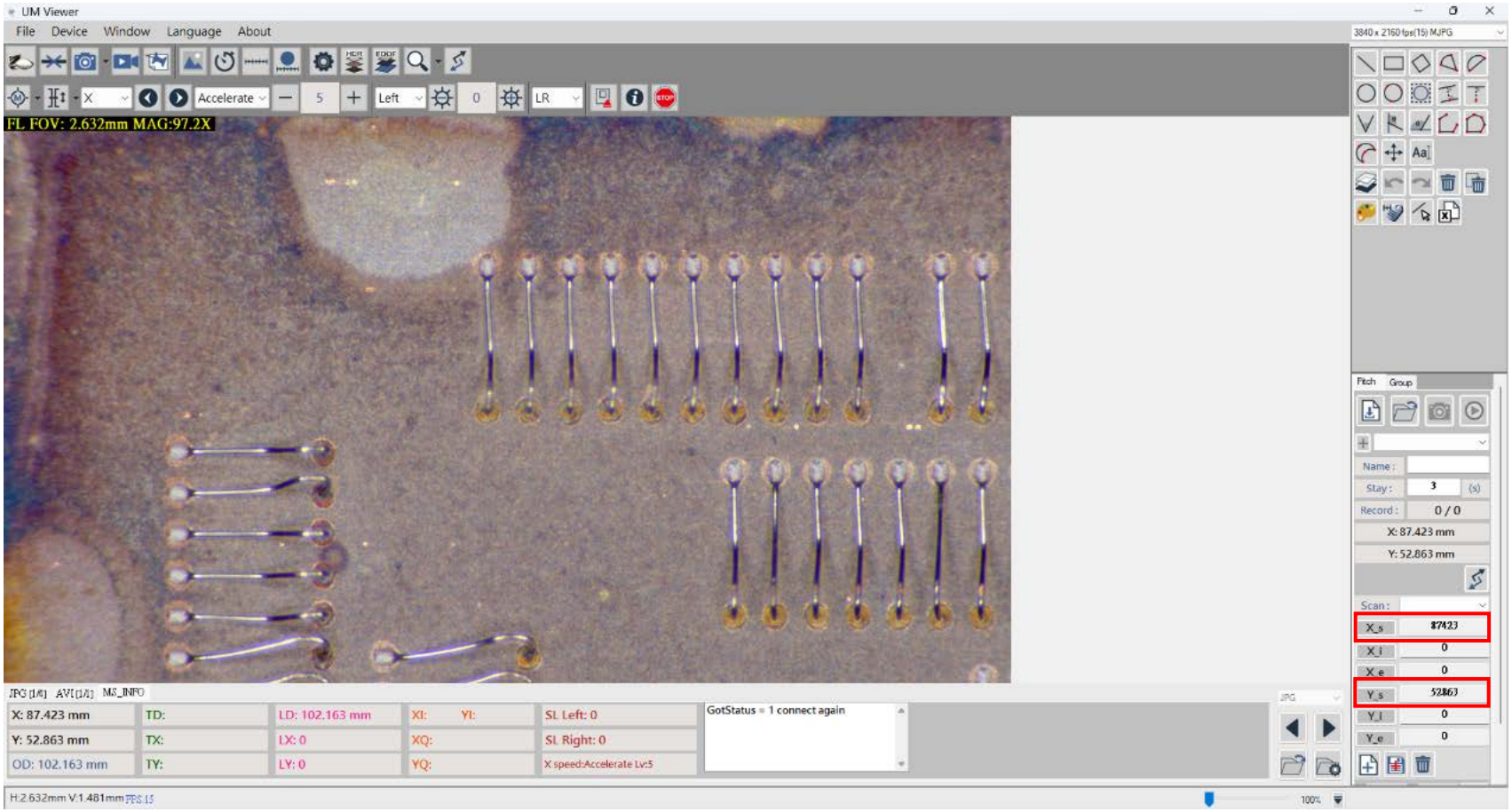
1. Same as standard calibration method: calibrate the field of view (FOV) horizontally (H) and vertically (V) to obtain accurate results



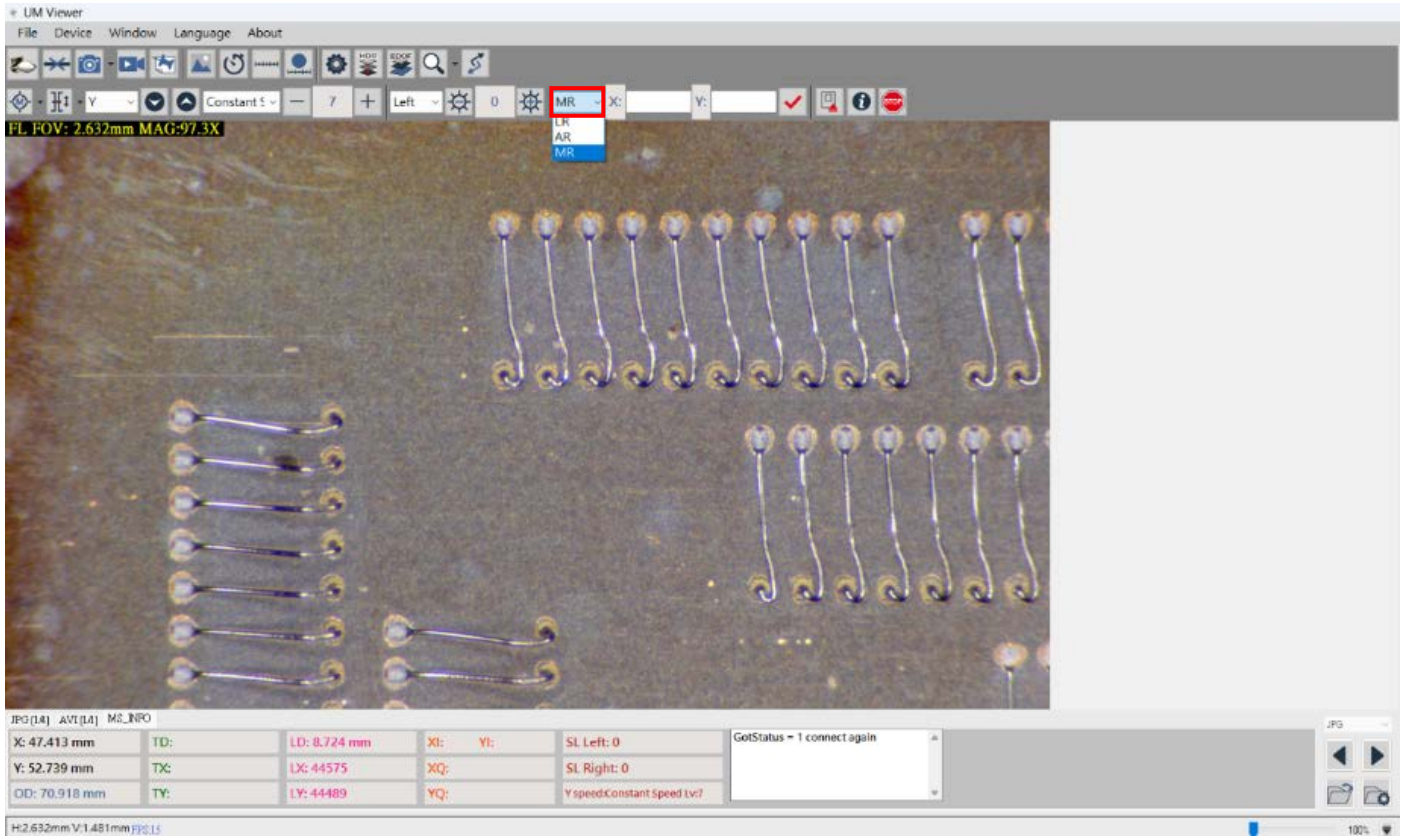
H (Horizontal): 2.632 mm V (Vertical): 1.481 mm

2. Click  to open MS220 Function.

   Set pitch, click X_s and Y_s.

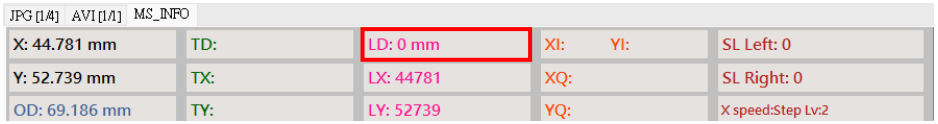


3. To set the X and Y interval to precisely be the same length as the FOV, the MR function must be used. Select MR function. (Note: MR is to manually set a coordinate and measure the coordinate to any record point in the group.



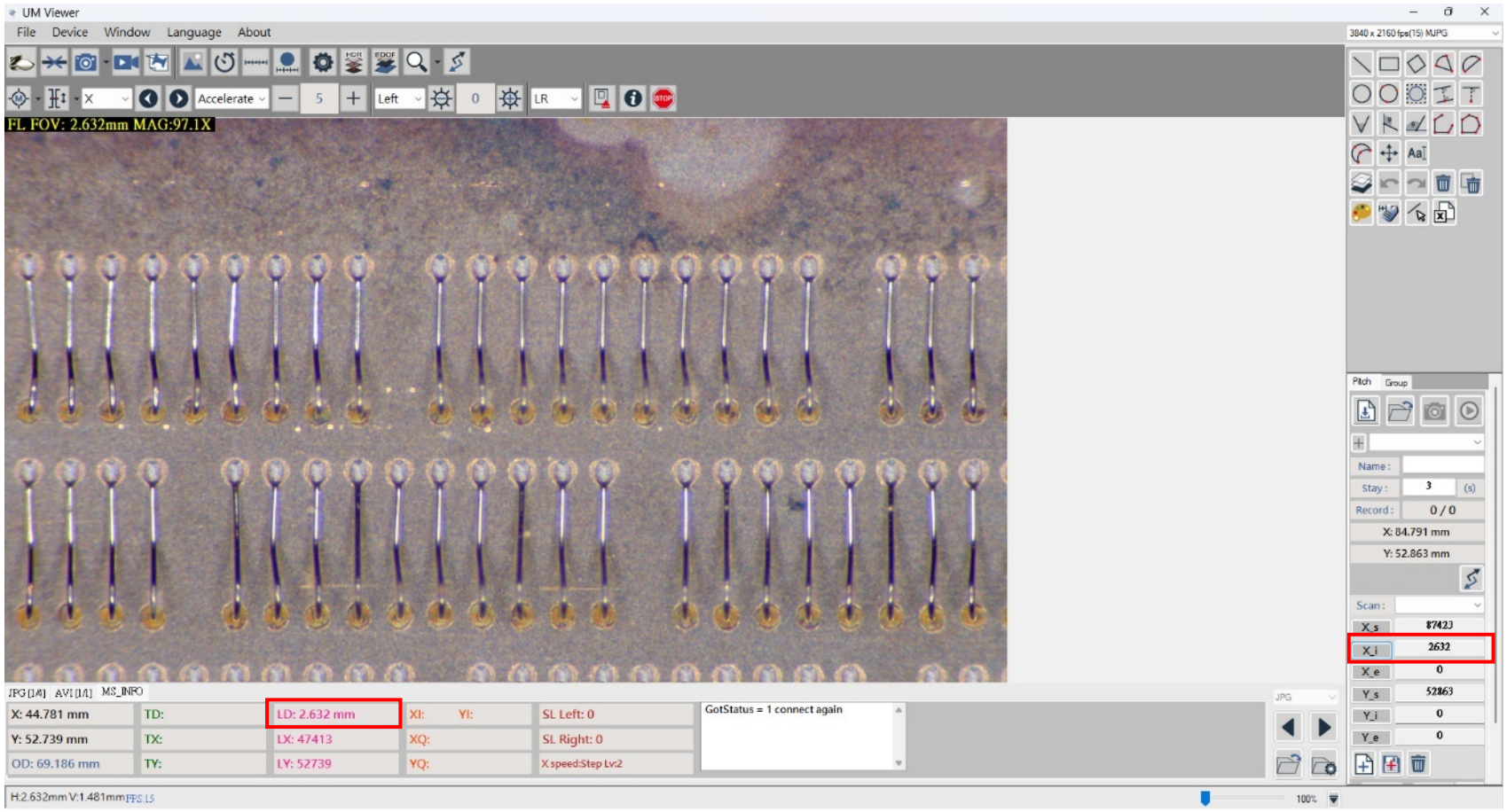
Still on the same coordinates as your X_s and Y_s, click the ✓. 

After clicking ✓ the LD (Last Distance) will be set to 0 mm.



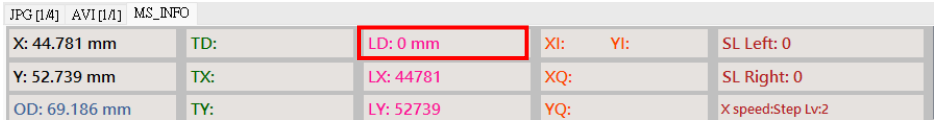
4. Set X interval based on the H FOV, in this example it is 2.632 mm.

   Use the left and right keyboard keys (← →) to move **only the X axis** and see the LD display as your guide. When LD shows the same distance as your H FOV measurement, set the **X interval by clicking X_i**. (Note: Select “Step” to precisely control the number of steps)



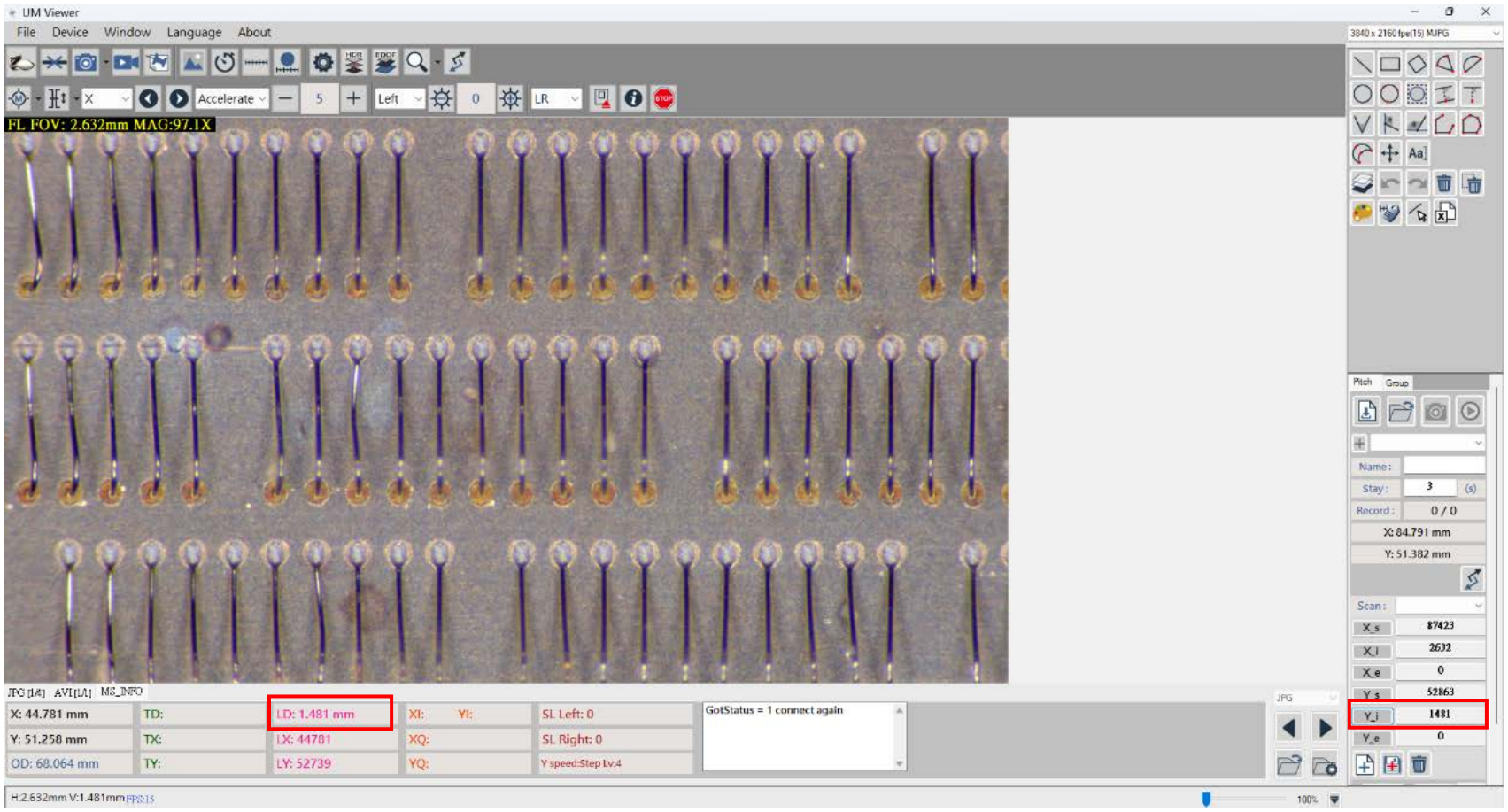
5. To set Y interval, firstly reset the LD back to 0 mm by clicking ✓ on MR again. 

   After clicking ✓ the LD (Last Distance) will be set to 0 mm.

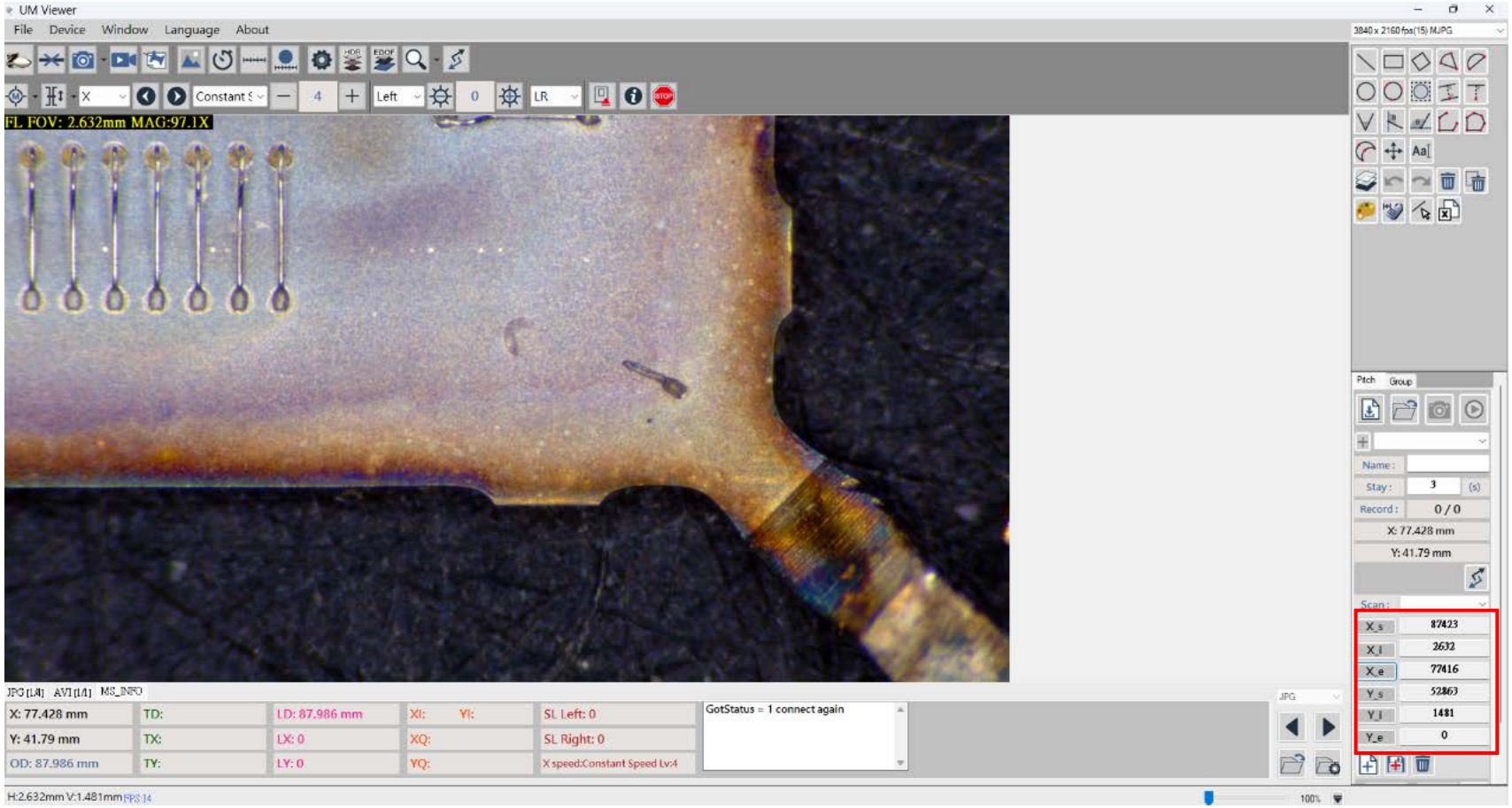


6. Set Y interval based on the V FOV, in this example it is 1.481 mm.

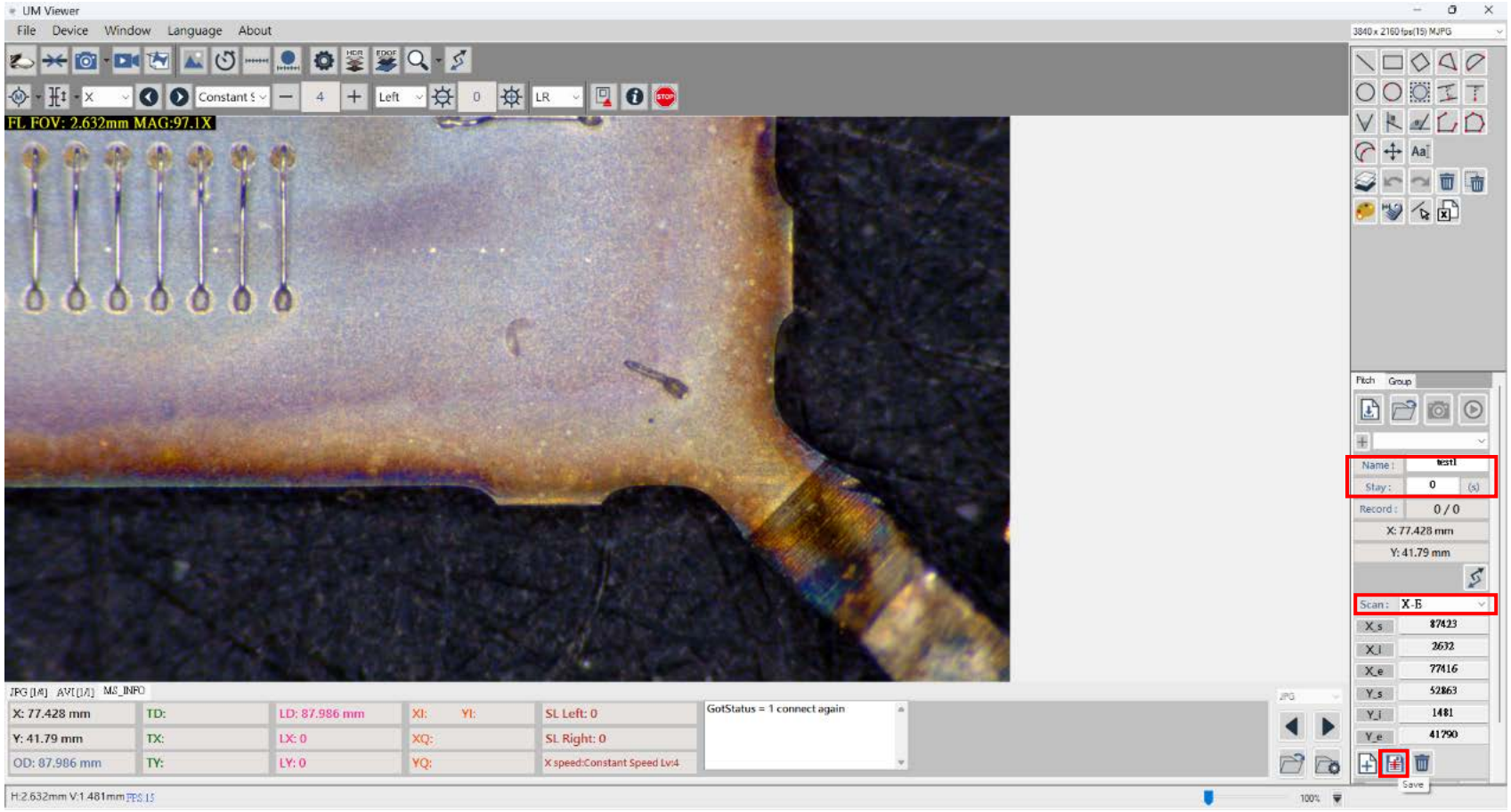
   Use the up and down keyboard keys (↑ ↓) to move **only the Y axis** and see the LD display as your guide. When LD shows the same distance as your H FOV measurement, set the X interval by clicking X_i.



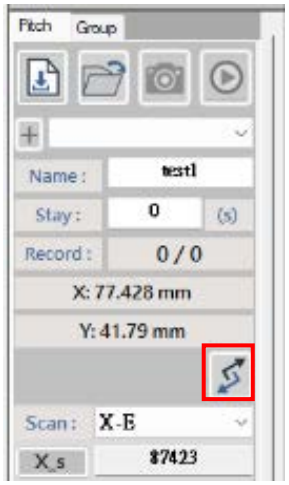
7. Move the stage and set end points for X and Y by clicking X_e and Y_e.



8. Name the file, set the stay time and choose the scan mode, and then click save.



9. To see the lists of pitch record coordinates in the pitch file, click the button below.



Lists of pitch record coordinates