

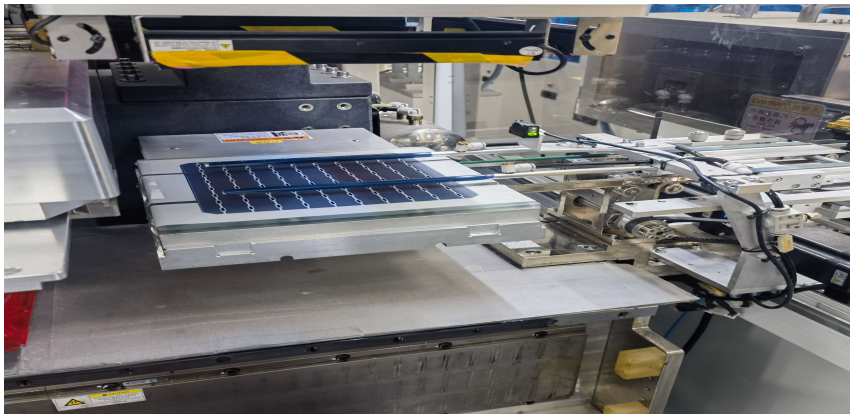
**Purpose** : To know the steps of camera calibration in mono parc wafer.

**Scope** : This procedure covers the all steps of in cell camera adjusment / calibration in mono parc wafer.

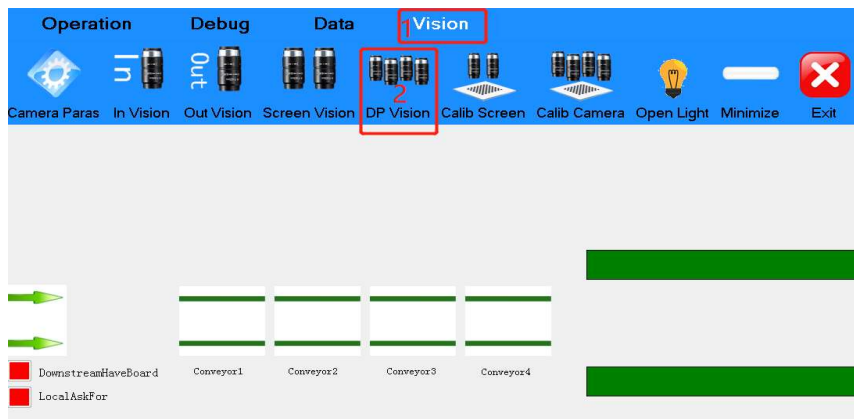
**Responsibility** : HOD Maintenance

## Procedure:

- Place the cell in 1<sup>st</sup> transport and let it came to 3<sup>rd</sup> transport.
- Place the cell in inner table . Put the machine in mannual . Click the single step button, rise the table to the upper waiting position and place the wafer on the center of table.
- Position of the wafer in table as per the below pic:



- Log in with proper authorization.
- Click the vision on the main page.Open the DP camera page.



Prepared by .....

Approved by .....

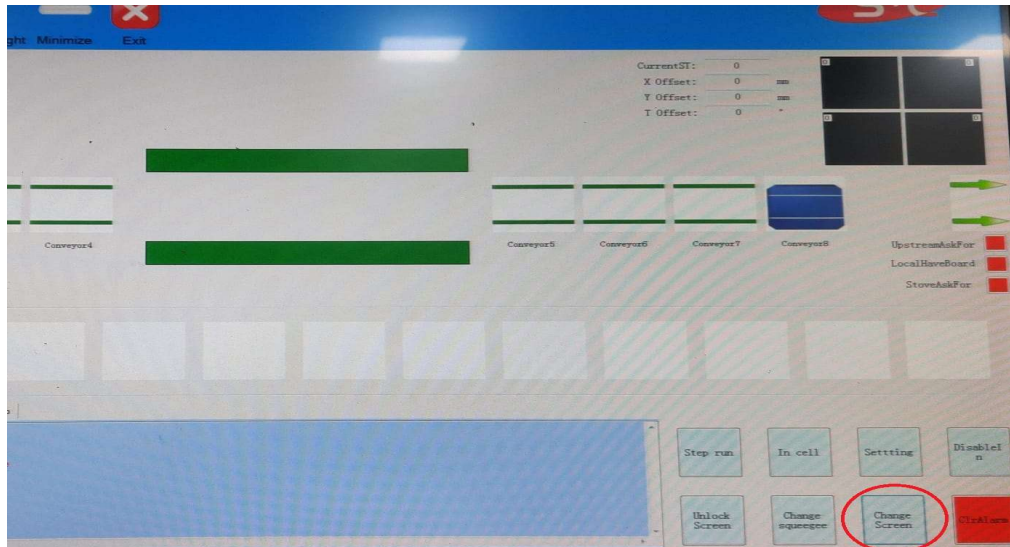
- Click the Grab button. Four pattern will occur and four template will visible.
- Select **PrintPattern** → Click **Grab** → Frame the 4 make points in the figure → Click **Register Mark** and **save** → Exit the interface after saving.



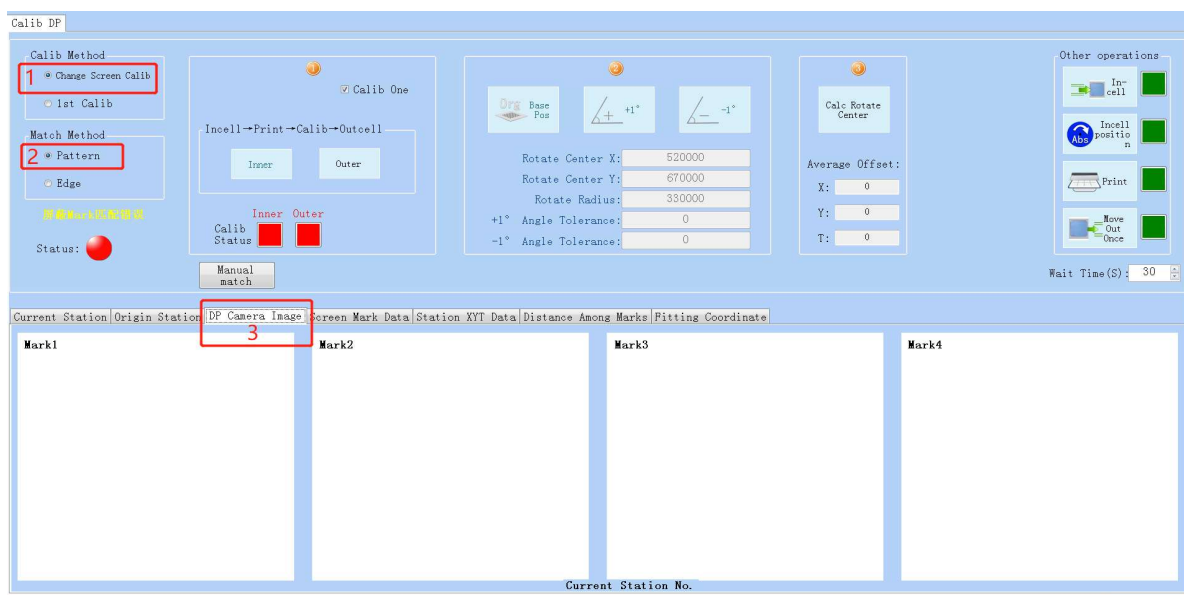
- Similar process complete in **Calibpattern (Screen Mark)**.






- Make sure in both cases mode should be “On image” as shown in green circle in above picture.
- Next step will be screen fiducial calibration which should be perform after every screen change.
- Click the change screen button on the main page.

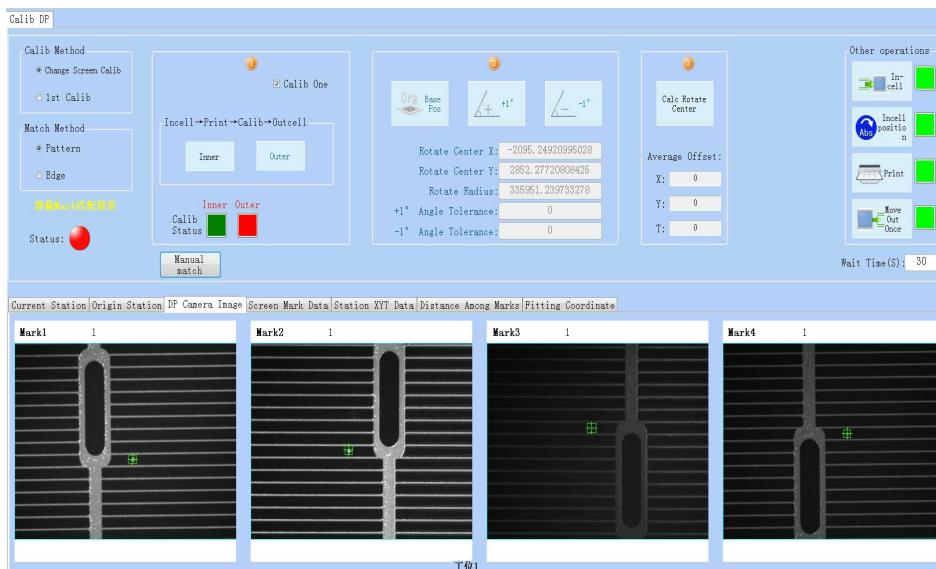


- Select **Change Screen Calib** → Choose **Pattern** → Select **DP Camera Image**





- Prepare two silicon wafers and place them on the transport rail  Click **Inner**, after the printing of the machine is completed, check whether the 4 make points have been captured. If the graphics are not captured, please match them manually  Click **Outer**, After the machine is printed, check whether the 4 make points have been captured. If the graphics are not captured, please match them manually  Click **Calc Rotate Center**, after the calibration of the inner and outer countertops is completed. After the calculation results come out, will be saved and exited.



Now all steps are completed.