Focus Procedure

Intensity Correction

- Before Focusing , execute Intensity Correction

Remove filter

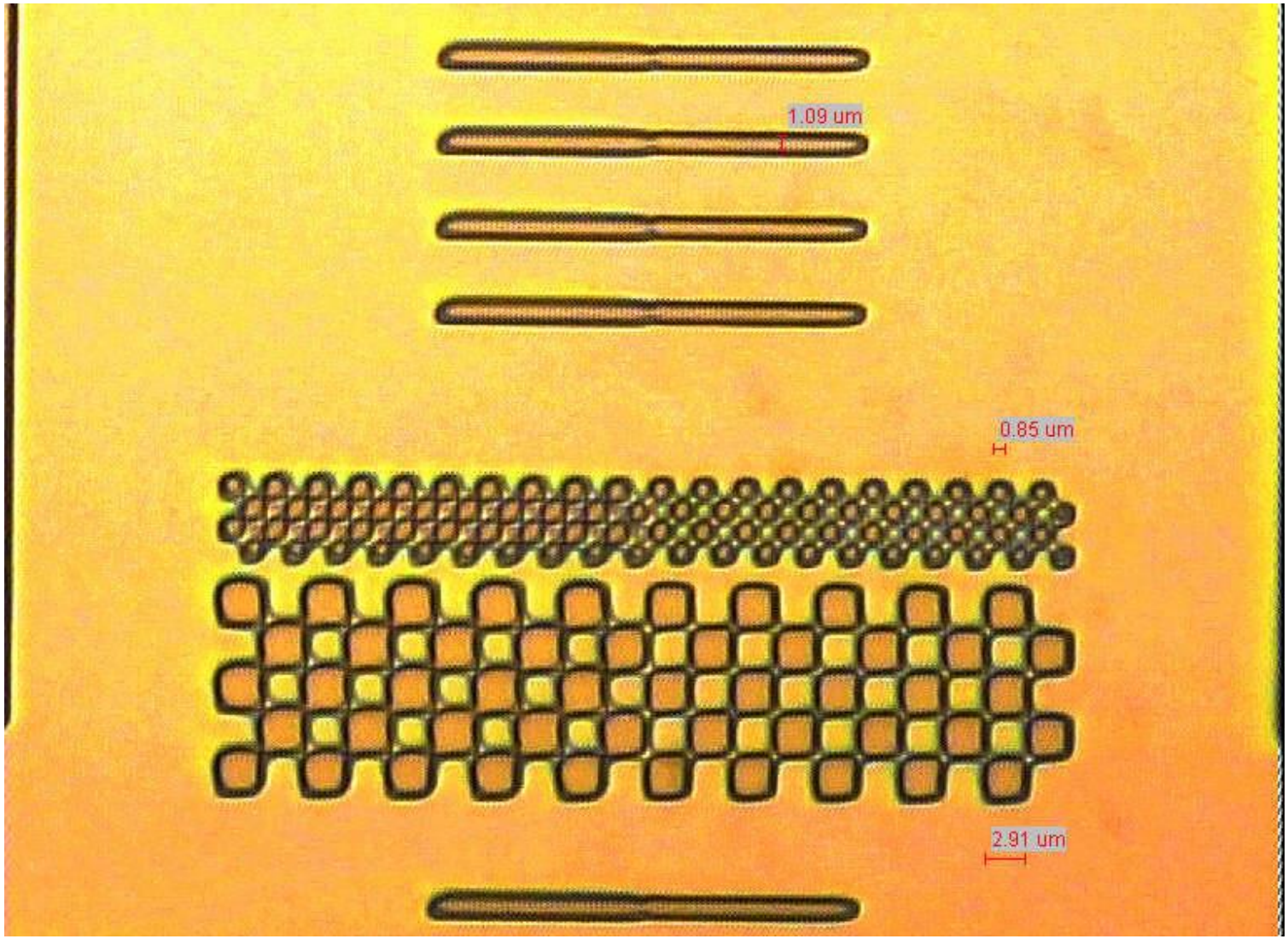
1. Gray wire to the right (red point facing down) ;
2. black wire to the left
3. Tool: Laser ON (green)
4. Service: intensity correction (pneumatic focus)
5. OK…
6. Click on “measure mode”
7. Start beam
8. Start OZI
9. Tab “Radmac correction”: verify parameters:
10. Load intensity: 4095. *“load intensity”*
11. Start correction
12. stop OZI ; fine correction
13. Stop OZI ; End beam
14. Close window
15. Control panel: Lens Up ; unload
16. Take wire off

Focus

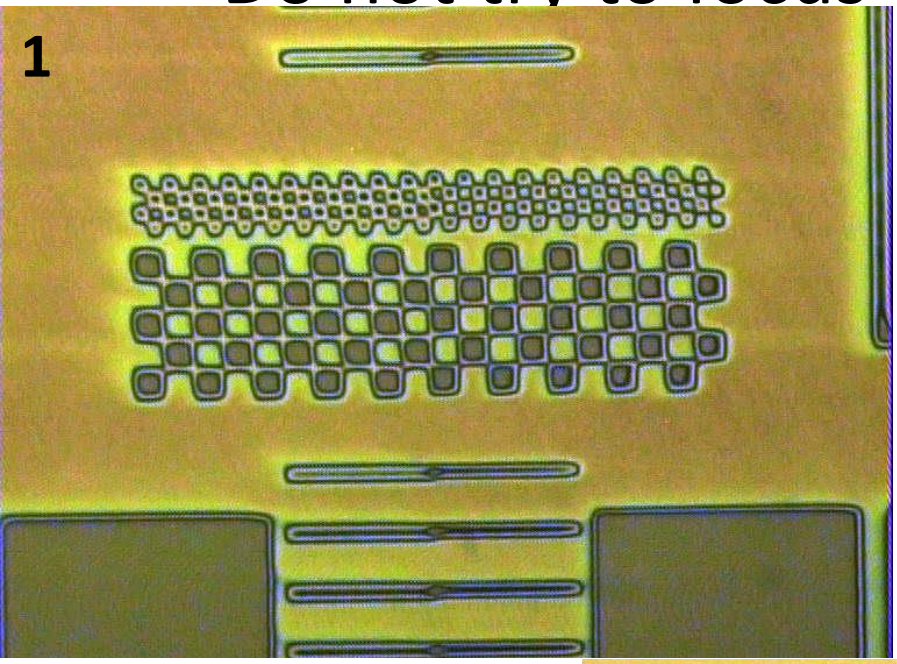
- Varify- Laser on

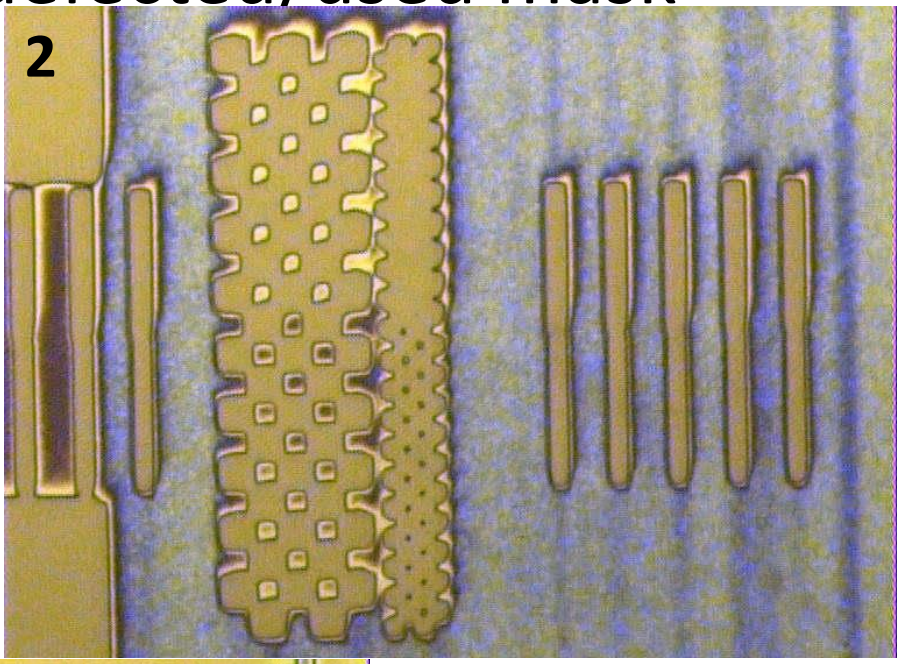
1. Load design- pppm_04_2
2. Row- 5, Column- 10.
3. Center- 25.
4. Mark- Auto unload
5. Intensity – 100
6. Focus
    1. choose 10 positions in step of 5 around the last focus point, ex: 20,25,30,35,40,**45**,50,55,60,65,70
    2. Develop on Hamatech: Start->development 28s, substrate 4''COMBI.
    3. Inspect focus using microscope.
    4. choose 10 positions in step of 2 around the best focus point, ex: 35,37,39,41,43,**45**,47,49,51,53,55
    5. Develop on Hamatech: Start->development 28s, substrate 4''COMBI.
    6. Inspect focus using microscope.
    7. choose 10 positions in step of 1 around the best focus point, ex: 40,41,42, 43,44,**45**,46,47,48,49,50
    8. Develop on Hamatech: Start->development 28s, substrate 4''COMBI.
    9. Inspect focus using microscope.

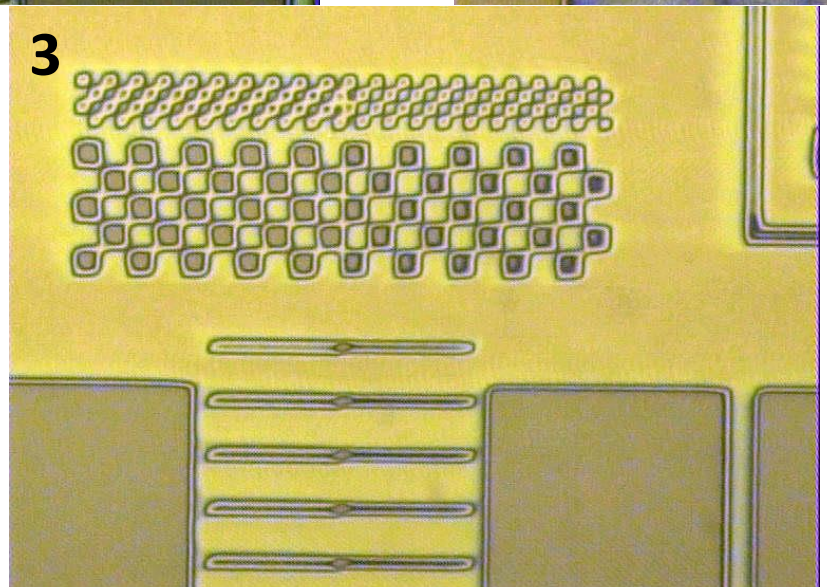
Last Focus- 54



Focus 53- 3 Focus Procedures
Do not try to focus on defected/used mask

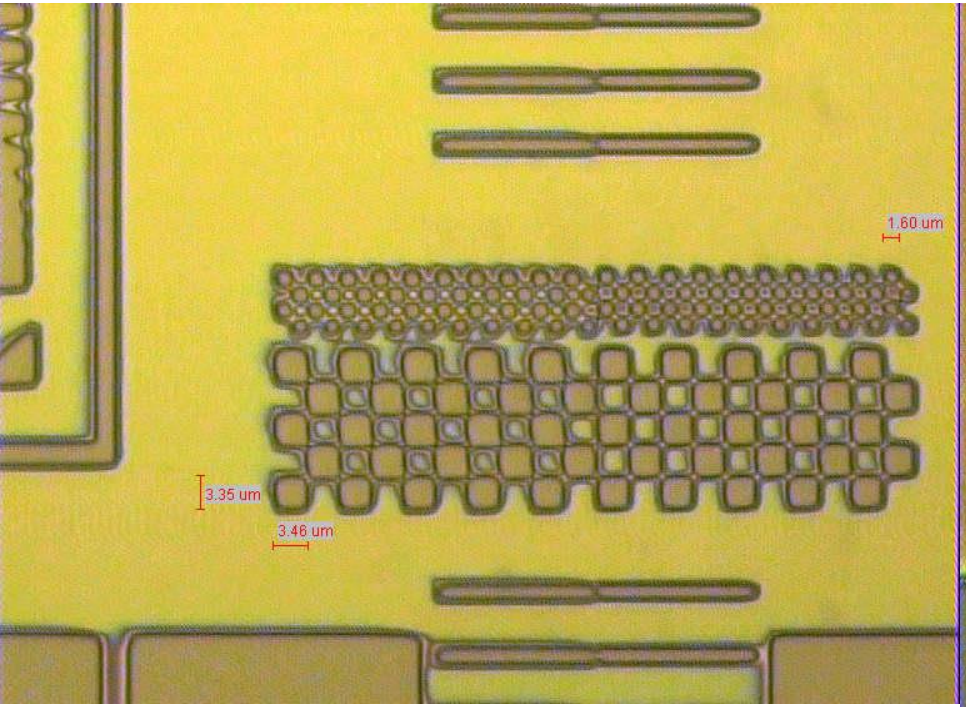




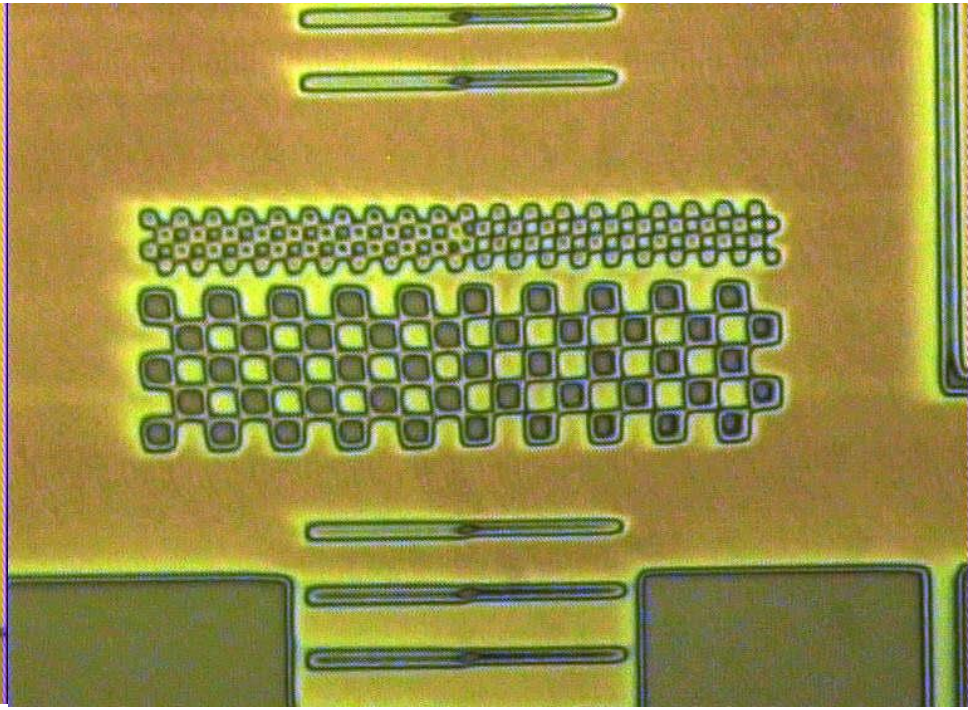


new Mask VS. defected Mask

Focus 54

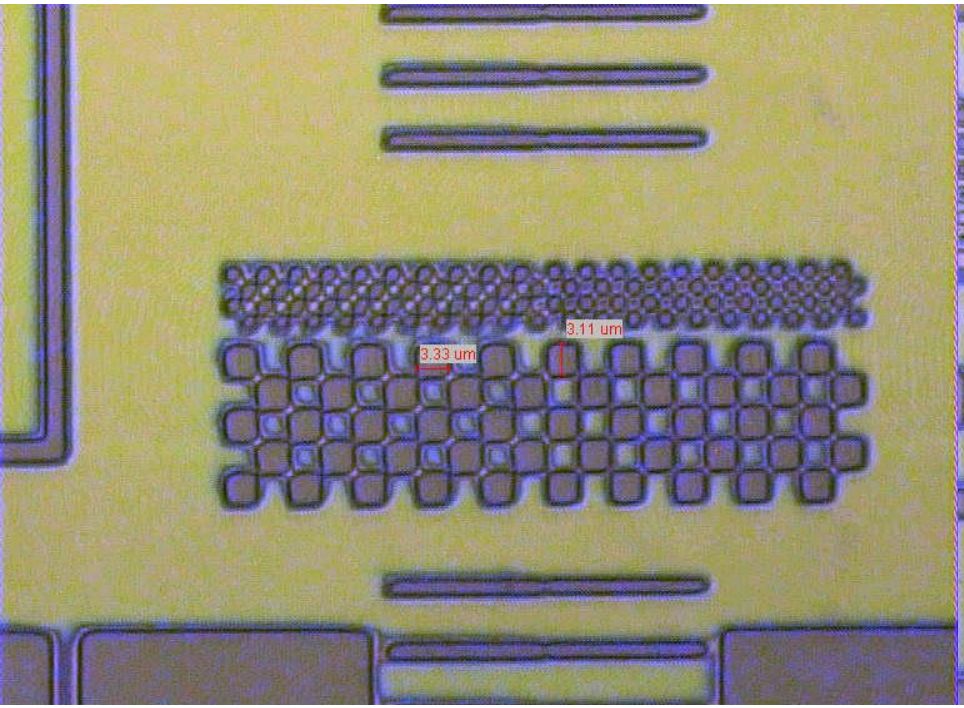


Focus 53

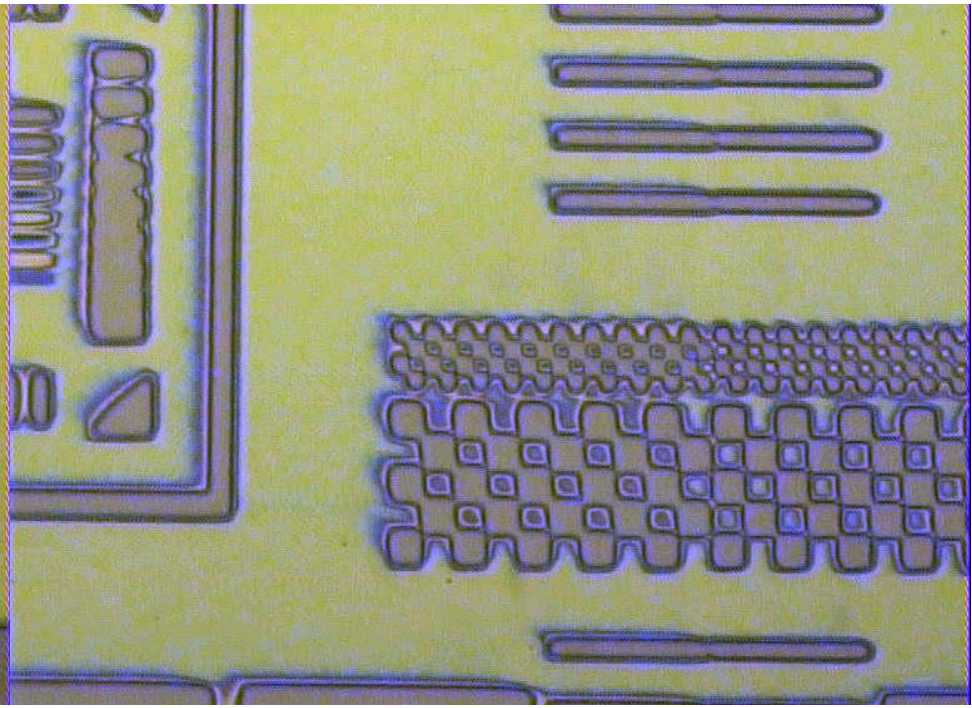


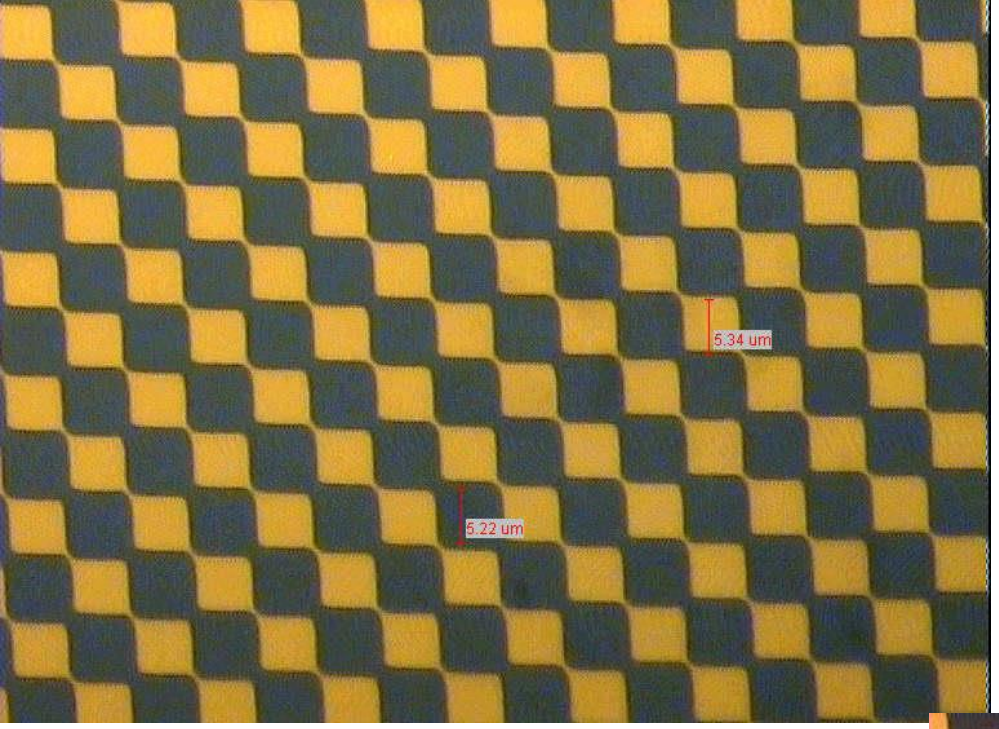
Focus 52- second develop

1st develop



2nd develop





Before

After