

# Matrix Plasma Asher

## Startup:

- Press the white on/off button on the front panel



- The machine should beep and the display should turn on
- If that does not occur the orange EMO Reset button on the lower panel should be pressed then use the white on/off button again.



- You should also hear the large vacuum pump spinning

- The stage will initialize and move slightly
  - It is very important to not put any pressure on the stage, it is extremely sensitive and can easily be destroyed by careless use

## Running a process:

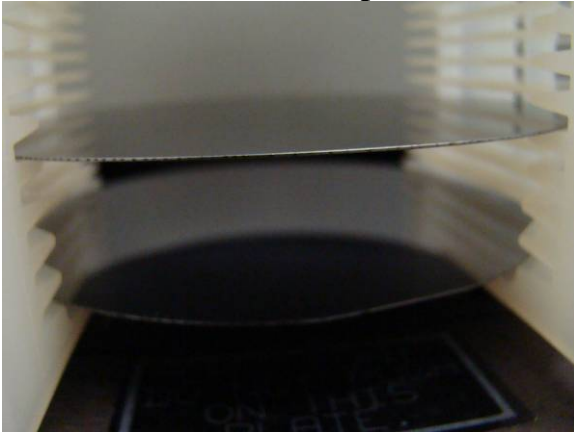
- To load a new process press the white key below Load on the screen



- Use the proper magnetic card for the process you wish to run and follow the on-screen directions



- Load your wafer into the white teflon cassette making note of which slot it is in, the number 1 slot is at the bottom and the top slot is 25



- Press Run to go to the Run screen



- Manipulate the stage using the up and down keys so the slot you put your wafer in is active



- It is possible to run a batch of wafers or only a single wafer
  - Press single to process just one or auto to go through the entire cassette



- The robotic arm will retrieve the wafer, place it in the chamber for processing, and remove it when the etch has completed.
  - Make sure not to have any objects in it's path to prevent critical damage

- A cooldown period after the wafer is placed back into the cassette is a good idea as many processes use an extremely hot chuck.
  - A minute or two should be sufficient but remember to always handle your wafers with tweezers

### Machine shutdown:

- When all of your etching is complete press the white on/off button to shutdown the machine

