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.

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

- Press Run to go to the Run screen.

- 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 its 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