

Dry Etcher:

1. Check the Oil in the Rotary Pump: It should be white/transparent. If not contact Anup.
2. Make sure the manual venting valve is closed.
3. Place the sample on the substrate holder. Make sure that the target area is covered with aluminum foil. Close the vacuum chamber.
4. Start the Rotary Pump and switch on the Hummer.
5. Push the Vac button.
6. If the pressure is lower than 0.05 Torr, push the Gas button.
7. Adjust the Sputter Gas Valve so that the pressure is 0.1 Torr.
8. Push the HV button.
9. Select the Etch option.
10. Turn up the HV-power to 1800 volt.
11. Adjust the Sputter Gas Valve so that the pressure in the chamber remains 0.1 Torr.
12. Do not leave equipment unattended.

Switch off procedure:

1. Turn down the HV-power to 0 volt.
2. Push the HV button.
3. Switch off the Etch option.
4. Push the Gas button.
5. Switch off the Hummer and the Rotary pump.
6. Please open the venting valve to vent chamber and rotary pump. DO NOT keep the system under vacuum if the rotary pump is off as the system will be contaminated with pump-oil.