

PLASMA ETCHER 500 II USER OPERATION

Equipment Operation:

1. Turn on the vacuum pump located next to the plasma cleaner.
2. Turn the **main power** on (red bottom).
3. Open the **vacuum** toggle switch (labeled as **VAC** in front panel), and check the throttle pressure on the display (Wait until the pressure stabilizes between 0.100 Torr t-450 Torr. The pressure should not be oscillating abruptly). Write down this value.
4. Open **gas 1** toggle switch (oxygen).
5. Adjust and stabilize the pressure at approximately 0.060Torr-0.080Torr difference from the Vacuum pressure obtained previously. Wait approximately 2 mins.
6. Turn on the **RF power** switch and set the power at desired power depending on the process.
7. Turn off the **RF power**.
8. Turn off **gas 1**.
9. Turn off **vacuum**.
10. Switch to open vent toggle switch.
11. Wait until the door can be opened and **TURN OFF THE VENT**.