

## **Fischione Model 1070 NanoClean Plasma Cleaner SOP**

1. Verify that the valves controlling the connected gas supplies are open.
2. If system is powered down, depress black toggle switch on the lower back panel to power the system back on.
3. Wait for the initialization procedure to finish and the user interface to appear on the touchscreen.
4. Select Clear.
5. Vent the sample chamber.
6. For TEM applications, remove the white Delrin plug and insert the side - entry OEM sample holder. One port is dedicated to Thermo Fisher and the other to Jeol holders.
7. For SEM applications, remove the top circular lid and insert a bulk or potted sample using a long pair of forceps / tweezers. Use the ledge in the upper left hand side of the chamber to support your sample.
8. Inspect the O ring and remove any dust or debris by dragging a Kimwipe across it.
9. Close the chamber lid.
10. Pump down the sample chamber.
11. Wait until "High Vacuum" is displayed in the center of the touchscreen.
12. Select a time: 1. Low resolution TEM: 2 min., 2. High resolution TEM: 4 min, 3. SEM: 5 min. and choose Set.
13. Start the process and wait for the time remaining to reach 0.
14. Vent then retrieve the sample and / or sample holder.
15. Pump down the sample chamber.