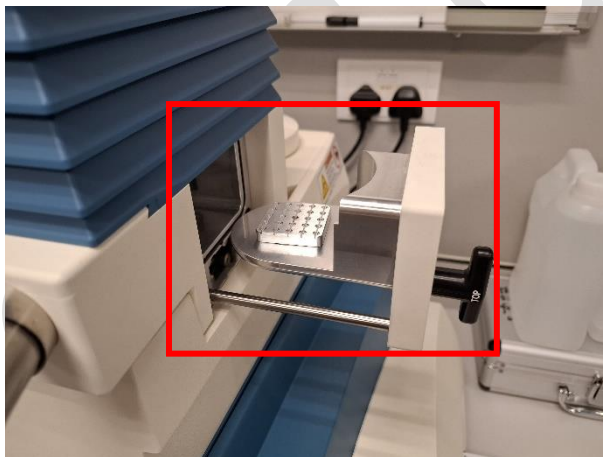


Solarus II Standard Operation Protocol

1. Sample loading



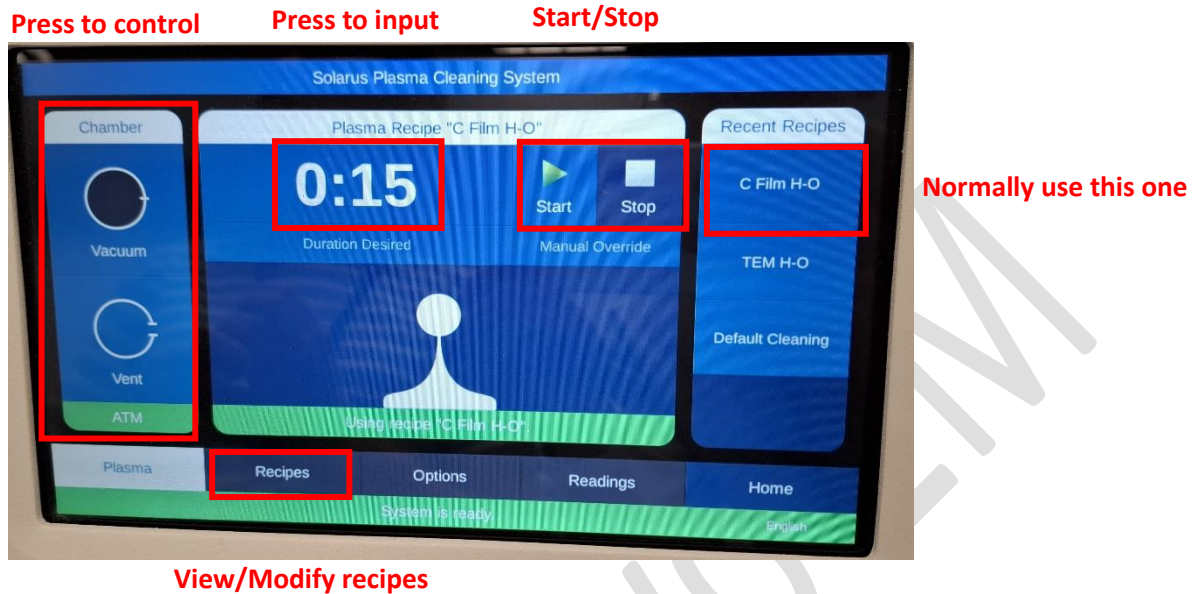
- Turn **ON** the oxygen gas tank and hydrogen generator.
- Sign in the logbook.
- Select **Plasma Cleaning** from the main menu.
- Press the Vent button and wait until the touch screen indicates as “ATM”.
- Open the side of the unit by turning the black Tee-handle **counterclockwise 90 degrees** and pulling out. Insert the specimen table and specimen as shown in the following.



- To close the door, push inward until it stops, then turn handle **90 degrees clockwise**.

2. Procedure

- Select the appropriate recipe for your sample type and available gas setup. The last 4 recipes used are shown on the right-hand side of the screen.



- If necessary, the cycle time can be adjusted by touching the timing display and entering the new time in **hours:minutes:seconds**.
- Preset parameters:
 - Power: 10W
 - Hydrogen: 6.4sccm
 - Oxygen: 27.5sccm
- Touch Start to automatically run the recipe selected and stop on completion.
- At the end of the cycle the vacuum chamber will **remain under vacuum until manually vented**. Press Vent and take out the specimen from the side of the unit.

3. Finish

- Close the side of the unit and press Vacuum. Do not shut down Solarus II.
- Turn **OFF** the oxygen gas tank and hydrogen generator.
- Take all your belongings before leaving the lab.
- Sign out logbook.