

Modifying the Deposition Temperature in a Personal Recipe

Standard Temperature in PECVD2: 300°C

Setting the Temperature to a Lower Value

1. **Vent** the chamber/**Open the lid**, and leave it open.
2. Go to **Process**/Find the **Recipe** you want to run/**Select it** [Highlight]
3. Go to **Recipes/Load**
4. Click on **the** first step in your recipe ("Initial").
5. Change the Electrode Temperature from 300°C to the desired temperature (e.g., 150°C).
6. Leave the box next to 300C unchecked (see the Photo1)
7. Click on the "Save" option
8. Go back to Process/Select the recipe with new temperature
9. Click on "**Set Recipe Temps**" in the lower-left corner.
10. Ensure that the **Setpt T =150C**, and **Actual T** is decreasing (see Photo2)
 - Cooling down may take up to 45 minutes.
11. **Close the lid** and **Pump down** the chamber.
12. Double check if the Temperature is correct
13. **Start** your process at the new Temperature.
14. After the process is complete:
 - Vent the chamber, open the lid, and unload your substrate.

Setting the Temperature back to 300°C

1. Ensure the **The Lid is Open**.
2. Go to **Process**/Find the **Recipe "STD CH₄/O₂"** /**Select it** [Highlight]
3. Go to **Recipes/Load**
4. Click on the "**Initial**" step.
5. Verify that the **Electrode Temperature** is **300°C**, and **Actual Temperature will still be 150°C**
6. Return to the **Recipes** menu
7. Select the "**STD CH₄/O₂**" recipe.
8. Click "**Set Recipe Temps**" in the lower-left corner.
9. Ensure that the **Setpt T =300C**, and **Actual T** is increasing.
 - Heating up may take up to 10 minutes.
10. **Close the lid** and **Pump down** the chamber.
11. **Start** the clean process for the required duration.

Photo1

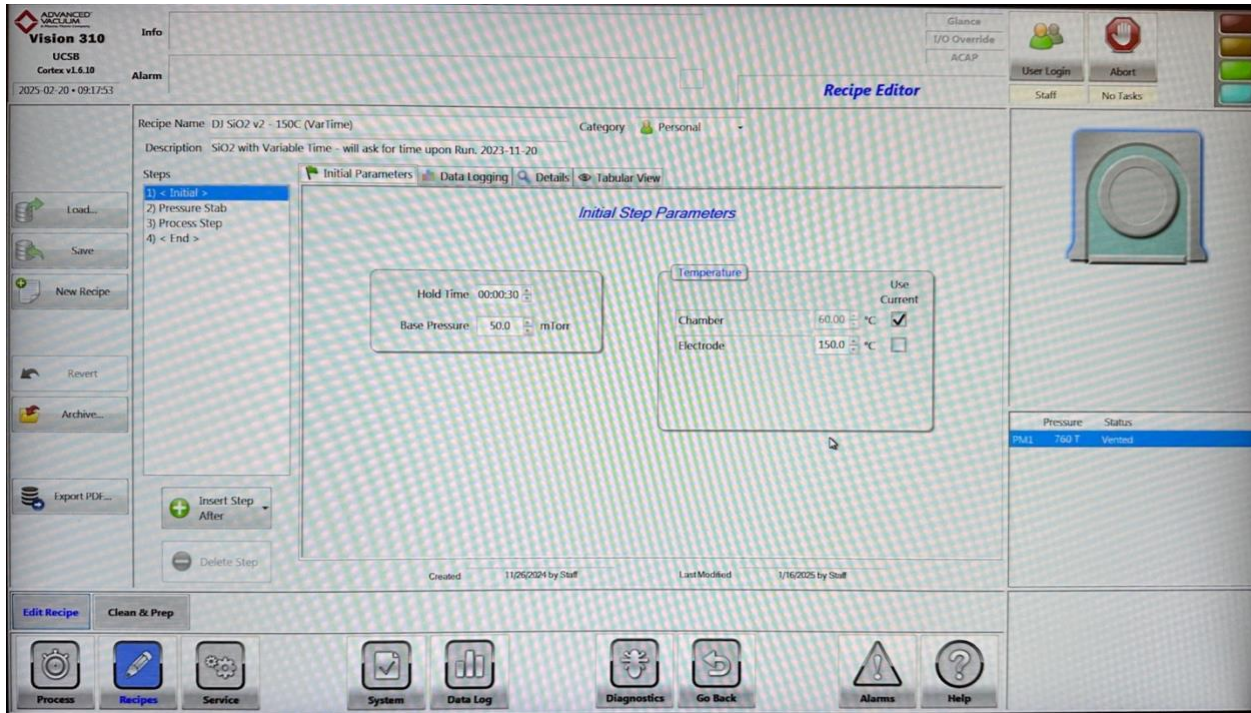


Photo2

