Anatech SCE110
Standard Operating Procedure

These instructions are intended for reference only, and will not replace the thorough training required for proper system operation. Contact a clean room staff member with questions or to report a system problem.

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1. Enable the tool in BADGER

2. VENT CHAMBER:
   - System should be in Manual.
   - Press the Abort button.

Venting is done when “ATM” is shown on the screen.
3. **LOAD SAMPLE:**

   - Turn the handle to open the chamber door.
   - Place your sample on the quartz boat and use the fork to place the quartz boat in the chamber.
4. PUMP DOWN AND ETCH:
   • Select Recipe Name from the dropdown menu (If you don’t have a recipe, go to step 8 and create one).
   • Switch system to Auto.
   • Press “Start Vacuum” to start the recipe. When the process ends the chamber will vent automatically.
   If you leave your sample inside and don’t open the chamber after your process, you’ll get an alarm to remind you to take out your sample. Press Exit if the alarm appears.

5. REMOVE SAMPLE:
   Remove your sample using the fork; Be careful as the quartz boat is HOT.
   Place back the quartz boat inside the chamber.

6. PUMP CHAMBER:
   Bring system back to “Manual”
   Press Start Vacuum
Wait for the pressure to reach <20mtorr

7. **BADGER LOGOUT:** Don’t forget to disable the tool in badger after you’re done.

8. **CREATE RECIPE:**
   - Press “Set Process Parameters” button
   - Log On:
     User: admin
     Password: 100
   Press OK in the following screen.
Press again “Set Process Parameters”

Touch the numbers to change Time, RF power or gas flow. Press the disc icon to save or “save as” with a new name.

- MFC1 is for O$_2$
- MFC2 is for Ar

After saving your recipe, press “System Overview” to go back to the main page.

Go back to step 4 and continue from there.