

Laurell Spin Coater

- All users must receive training from the facility staff in order to use the spin coater.
- In addition to the basic EH&S safety courses required of all facility users, spin coater users must complete the fume hood safety course (3355).
- List all the material(s) you are spinning on the clipboard to the right of the hood.
- Disposal of chemical waste is the responsibility of the user.

Procedures for use:

1. Log on to the tool in FOM. (It is not necessary to make a reservation; 'express' log on is fine.)
2. If the pump does not turn on, turn on the pump power switch located on the pump power cord.
3. If "AIR" is flashing on the console, open the nitrogen cylinder valve(s) to provide 50-70 psi purge gas (regulator valve and cylinder valve both need to be open).
4. Open the lid and place the substrate over chuck, ensuring that the o-ring is completely covered.
5. Press the VACUUM button on the control panel to secure your sample.
6. Close the spinner lid. At this point, none of the interlock indicators should be flashing.
7. Programming spin parameter(s):
 - a. The letter (A thru T) in the top right corner of the LCD screen is the program #. Press PROGRAM SELECT to choose program. Feel free to use any program.
 - b. Press F1 to change settings and arrow keys to change rotation speed, time, and acceleration.
 - c. Press ADD STEP to utilize another step in the program.
8. Apply a very small amount of your solution through the hole in the lid using a disposable plastic pipette. (When finished, dispose of empty pipettes in the green bin.)
9. Press RUN/STOP to begin the program.
10. Push RUN/STOP to abort the program, or let the program run to completion.
11. Reverse steps 6-1 when you are done.
12. REMOVE your chemicals (including waste) and take with you. Do not leave any chemicals, solvents, or garbage in or around the spinner. Disposal of chemical waste is the responsibility of the user.
13. Lower the fume hood sash when you are finished.
14. Log off of the spinner in FOM.

Refer to the Laurell Manual in the cabinet under the hood for more detailed instructions or for instruction on working with programs.