

Standard Operating Procedure for Spin Coater

Limitations:

- Spinning speed: 60 – 9999 RPM
- Time duration: 1-99 sec/min/Hr

Spin Coater Setup:

1. First ensure the main power switch is OFF
2. Open the Nylon bowl, put the substrate at the center of the chuck
3. Make sure the substrate completely covers the hole inside the black ring
4. Switch on the main power supply, then switch on the power button of the spin coater at the back
5. Switch on the main power of vacuum pump, and press 'V' button on the spin coater keyboard to start the pump
6. Make any adjustment necessary for the securing the substrate
7. Add the required amount of PMMA or whatever needs to be coated above the substrate
8. Close the Nylon bowl

Programming the Spin Coater

1. To set parameter (Prog, Step, Speed, Accl/Decl, Duration), use the UP and DOWN arrow to go to next or previous parameter respectively
2. To change the unit for duration (like sec/min/Hr), press U
3. After setting all the parameters press the 'play' button
4. Once the process begins, to terminate the process if required, press the square stop button
5. After the process is completed, press 'V' to stop the vacuum
6. Open the lid, and take out the substrate
7. Close the lid properly and switch off the main power switch

Spin Speed (RPM) vs Thickness