

SOP

1. Check for N₂/O₂ supply
2. Load the syringe pump with Solution.
3. Connect dispenser cable to syringe pump port for syringe pump operation at the back side of the control box. The syringe pump port will be free prior to this.
4. Connect one end of given syringe pump cable to back side of syringe pump and other end to the port provided on the right side of the main cabinet.
5. Fix the syringe pump on spray head with the help of screws
6. Switch on the main supply
7. Turn on the PC. Run the software 'Position Controller'
8. Click 'Drain' button to flush out the air inside the container. Click 'Stop' when solution starts to drop
9. Enter the required flow rate and create a program with required XY motion profile, speed and duration. Refer to software section of the manual for further details.
10. Place the substrate on top of the stage.
11. Set the required pressure by rotating the knob on top of the filter regulator. For this first pull the knob up.
12. Now click 'RUN' to start the process. On pressing 'run' the spraying process starts according to all the specified parameters.

Example

- | | | |
|--------------------------|----|--|
| 1. Home XY | // | Move to the XY home position |
| 2. Spray On | // | Switch on the spray |
| 3. Air on | // | Switch on the air supply |
| 4. Speed[200,8] | // | Set the speed of the X and Y as 200 and 8 mm/s |
| 5. Move [150<->, 150<->] | // | Move both X and Y 150mm in To and Fro mode |
| 6. Duration 5 min | // | Continue the coating for 5 minutes |