

IntlVac – Nanochrome I Sputter System

System Start Up:

1. Before powering up the system, make sure that all facilities are operational (compressed air, gasses, water, etc.)
2. Power up the system from the main breaker OR the EPO button on the operator panel

Starting the Program:

1. Click on the icon that says “NanoCon Interface” to start control software

Pump Chamber:

1. With chamber at atmosphere, load your substrate
2. Close chamber door and put latch in closed (up) position
3. Press PUMP to start pump routine
4. Wait until message appears on screen that indicates pump routine is complete

Running a Saved Film File:

1. If you are going to use a previously saved film file, then press the open film file button in the Film Tab and select your file
2. Ensure that all fields are correctly entered in all your film segments
3. Double-click on the segment you want to start your process with
4. Toggle switch labeled “Run Process”
5. The film file will be uploaded to microcontroller and process will start
6. Process will run to completion
7. At this point the operator may start another film file or vent the chamber

Running a New or Modified Film File:

1. Enter all the values for your film using the film editor
2. Indicate the end-stop by naming the last segment “**** End ****” Save the profile
3. Double-click the segment you want to start your process with
4. Toggle switch labeled “Run Process”
5. The film file will be uploaded to the microcontroller and process will start
6. Process will run to completion
7. At this point the operator may start another film file or vent the chamber

Aborting a Process:

1. At any time during the process you may hit the abort button. This will turn off all power supplies and turn off all gas valves.

2. After a process abort you may pump, vent, or start a new process.
3. In case of emergency, user should press the EPO button on the Operator Panel

Vent Chamber:

1. Ensure the door latch is in the down position
2. Press VENT to start vent routine
3. Wait until message appears on screen that indicates chamber is at atmosphere