

Resonetics Rapid X 250 Micromachining Station

Start-up

1. Turn on laser Main Power (red/yellow switch).
2. Turn on laser control key switch – laser warm-up begins and counts down from 540s on the laser control panel.
3. Turn on workstation: red switch at bottom left of system.
4. Turn on computer.
5. When laser warm-up is complete, activate laser using the laser control panel.
Press:
 - a. *Run/Stop + Enter + Exe*
 - b. The laser light should illuminate.
6. Turn on chiller. The laser source will overheat if the chiller is not turned on!
7. Open N2 valve on wall
8. Turn on the following inside the workstation:
 - a. Lamp (power is in far back right)
 - b. N2 purge
 - c. Vacuum (for securing samples)
 - d. Exhaust
9. Launch A3200 Motion Composer

Shut-down

1. Turn off the following inside the workstation:
 - a. Lamp (power is in far back right)
 - b. N2 purge
 - c. Vacuum (for securing samples)
 - d. Exhaust
2. Shut down computer
3. Turn off workstation
4. Disable laser: Press *Run/Stop* on control panel
5. Turn off laser control key switch
6. Turn off Main Power
7. Turn off chiller
8. Close N2 valve on wall
9. Log your time!