

SEM Sample Coater (Hummer)

Operation instructions

1. Gently hinge lid open.
2. Remove glass chamber.
3. place your sample on the stage.
4. Replace glass chamber.
5. Gently close chamber lid.
6. Turn on power (lower right corner of front panel) and allow the chamber to pump down to 70mTorr.
7. Turn on "Gas" and allow pressure to recover to 70mTorr.
8. Turn on stage rotation (on top and to the left of the machine).
DO NOT ADJUST ROTATION SPEED.
9. Turn voltage control knob to 0 (counter clockwise).
10. Turn "Voltage" switch on.
11. Set timer (60 seconds is standard).
12. Press "Reset" on the timer.
13. Press "Auto" on the timer.
14. Turn the voltage control knob (clockwise) until current reading is 10mA.
15. When the timer expires, the voltage will automatically turn off.
16. Turn the voltage control knob back to 0, then turn the "Voltage" switch off.
17. Turn off gas
18. Turn off rotation
19. Turn off power, which will vent the chamber.
20. Gently hinge lid open.
21. Remove glass chamber.
22. Remove your sample.
23. Replace glass chamber.
24. Gently close the chamber lid.

*Visually inspect the source located on the underside of the lid.

Compare how the source looks vs. the picture posted on the wall above the machine.

Notify staff if the source appears to be depleted and in need of change.