

Denton Desk II

- 1) Gently lift head back
Load samples. If necessary, remove the glass belljar and place it on its side somewhere **where it cannot roll off**.
- 2) Place cover back onto top of bell jar. Make sure you don't crimp the wire doing so.
- 3) Open Argon tank main valve.
- 4) Turn on power to the Desk II (red button on right side).
- 5) When the vacuum indicator shows a vacuum of less than 100, press the white Sputter button on the left front panel. Let vacuum drop back to 100 or less. Repeat as often as necessary.
- 6) When the white Sputter button remains lit, adjust the vacuum leak valve (black knob under the red vacuum indicator lights on the left so the vacuum remains at 100 mTorr.
- 7) Set your watch for manual coating (manual start, time on your watch, manual stop) or set the time in seconds on the right and press timed Start. (1 minute coating=60 seconds=approx. 20 nm coating). Once started keep the current at 45 mA using the black knob under the red current indicator lights on the right. (Turn slowly, the meter is very sensitive).
- 8) When coating is complete, turn off the machine (red power switch on right side). The machine will automatically vent. Remove samples, clean the belljar, reassemble things, record your usage on the sheet.