**Cressington Sputter Coater – Pt/Pd**

**DO NOT SET THICKNESS FOR MORE THAN 3 nm PER RUN, OR YOU MAY DAMAGE THIS COATER AND USE UP THE TARGET- use gold coater if you need more than 3 nm**

1. Reserve coater online. Move shutter to cover target then Carefully tilt lid back.
2. Remove bell jar and set on pad.
3. Place samples into sample holder and tilt holder to desired angle for coating. If needed tilt crystal to match angle of sample tilt so that it points at the target.
4. Replace bell jar and gently lower lid. Check that lid is sitting snugly on bell jar.
5. Push big Red button on lower control box to turn on the power allow chamber to pump out for 15minutes. Record initial Turbo Pump hours.
6. Select “Manual” by pushing “Auto Manual” Button. Flush chamber with Argon for 3 seconds, turn off flush
7. Wait for gauge to read 0.15 mb.
8. Set thickness of coating by holding Terminator button in, push up or down arrows until reach appropriate thickness.
9. Push Zero
10. Turn motor on to rotate samples.
11. Move shutter to expose target
12. Push Auto - red light comes on
13. Push Terminator - terminator light comes on
14. Push cycle/stop - coater will now go through coating protocol automatically
15. Turn off big red button - machine will vent – remove bell jar and samples, replace bell jar and lid. Record final Turbo Pump hours