1) **Open compressed air valve** (parallel to pipe) and **regulator valve** (ccw) on the wall to the left of spinner. (Regulator should be adjusted to 2-5 psi)
2) Check vacuum pump oil

3) **Turn on vacuum pump** by plugging it in.

4) **Turn on spinner** by the switch on the back panel above cord.

5) Wrap inside and lid with foil as shown in the picture below.
6) Set wafer on chuck, if need to change the chuck then carefully pull the chuck off and replace (top right drawer in orange desk).

7) To change a recipe push CHG PRE, push +/- to scroll down the menu and push ENT to select, then +/- to change value and \(\leftarrow\) to cursor.

8) To make recipe select the desired settings for RPM1, RAMP1, TIME1, RPM2, RAMP2 TIME2, RPM3, RAMP3, TIME3, RAMP4. The value 0001 is zero for the settings. Do not use Solvent, N2, or Coating settings in the recipe section. Look at the limits at the bottom of this SOP for each setting.

9) When recipe is set push MSG

10) Push the green \textbf{START} button to begin spinning

11) Push the red \textbf{STOP} button to shut off process before ending
12) When finished with spinner turn it off by the switch on the back panel above the cord

13) **Turn off vacuum pump** by unplugging it from the wall

14) **Close the compressed air valve** (perpendicular to pipe) and **regulator valve** (cw)

15) Throw away foil and **replace**

**LIMITS**
- RPM1 must be between 100 and 2000 rpm
- RPM2 must be $\geq$ RPM1, up to 4000 rpm
- RPM3 must be $\geq$ RPM2, up to 8000 rpm
- TIME1, TIME2, TIME3 can be set from 1 to 999 seconds
- RAMP can be set from 1 to 30 seconds

**NOTE:** The spinner will not turn on w/o 2-5psi compressed air
**NOTE:** The spinner will not spin w/o the vacuum and a wafer on the chuck.

Set **RPM value 100 above desired setting for accurate spin speed!**