

How to load large samples into the Temescal evaporator

The lift off dome of the evaporator only fits 100 mm wafer. To coat smaller samples simply mount them on of the provided 100mm wafers and load it.

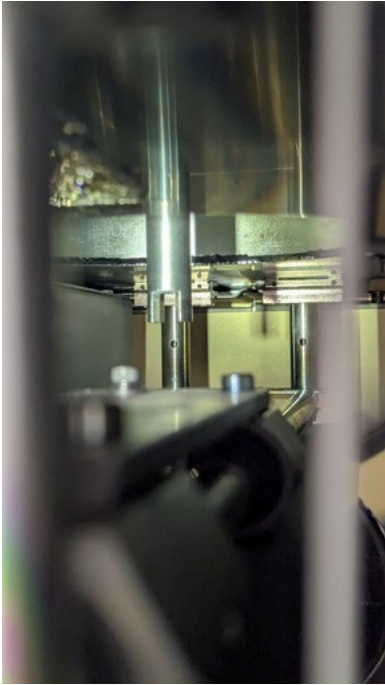
To mount larger samples the dome has to be removed from the chamber. This can be tricky if you don't know what to look out for. Below are step by step instructions. Read through them completely before you begin.

1: Vent the PC as usual.

2: Try to pull the dome towards you using the handle. If it will not move with a gentle but firm pull slowly rotate it with the handle until it will.



The dome has a pole that needs to sit in a notch during process, there are only two positions that will allow the dome to come forwards. These are the home positions. You can also try to home the dome with the control software but it is not reliable.



This is the notch on the pole inside the machine.

3: Once the dome is pulled out all the way flip the little steel flap up onto the post of the dome.



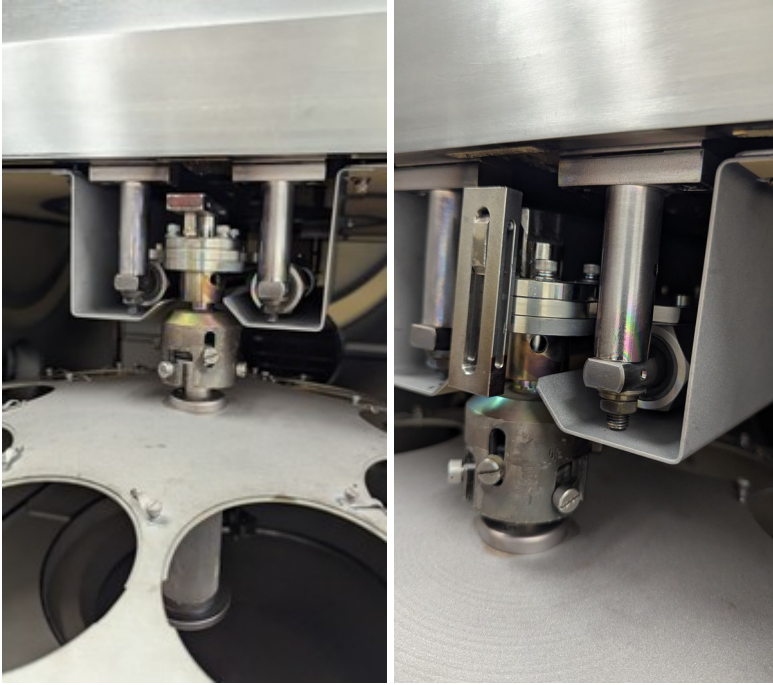
4: With the handle push the dome upwards and turn so it comes out of the holding bracket. It is spring loaded and might take some effort to push up.



5: Place two or however many wafers you need to mount your sample on the dome, flip it around and mount your sample



6: Put the dome back in the machine and put the steel flap back down.



7: Push the dome back into the machine and make sure the pole of the dome is secure in the notch of the post inside so it can rotate during deposition. Check by trying to rotate it, if its spins freely it is not in.

8: Pump the PC and proceed as normal.