Tool ID: 307
Tool Location: 110

Equipment Information Sheet

CHA Mark 50 E-beam Evaporator

Manager: Aaron Windsor 607-254-4831
Backup: Christopher Alpha 607-254-4913

Calls to staff phones will be automatically forwarded to their cell phones during accessible hours. At other times leave a message or send them an email.

SAFETY

- Wear the provided UV safety glasses when looking into the chamber when the E-gun is on.
- Be careful lowering and raising the chamber door.

USAGE RESTRICTIONS

- No Buddy Required.

SCHEDULING/SIGN-UP RESTRICTIONS

Minimum Tool Time: 60 minutes

- No more than four hour reservation.
- If more time is needed, please consult the tool manager

MATERIALS COMPATIBILITY CATEGORY

Tool Category 5: Class A and B Metals and Compounds

Allowed	Not Allowed
Tool category 1/1E, 2, 3, and 4 materials	
Silicon Based Substrates and Films	
III/V compound Semiconductors	
Glass Substrates	
PECVD and ALD Films	
Cured organics and baked Photoresist	
CNF Class A, B, and Refractory metals	
Exposed Gold, Silver, Copper	
Alkali and Alkaline Compounds	
Organic/Biology Molecules prepared-w/salt buffers	
High Vapor Pressure Materials (Mg, Ca, Zn)*	* Some tool restrictions on high vapor pressure materials may apply
Soft organic materials	

High Vapor Pressure Metals and Compounds are materials that have a vapor pressure above 1e-6 Torr at 400 C.

Additional Material Restrictions and Exceptions

- No High vapor pressure materials (Pb, Ca, Zn, Sn, etc.) on substrates or sources in the evaporator.
- Only evaporate approved materials. Do Not evaporate sources materials not on the data sheet.
- No oxide evaporation will be done in this tool.

Last Updated: 09/09/2019