Tool ID: 313
Tool Location: 115

Equipment Information Sheet

SC4500 Even-Hour 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

- No unusual hazards during normal operation

USAGE RESTRICTIONS

- No buddy system restrictions

SCHEDULING/SIGN-UP RESTRICTIONS

Minimum Tool Time: 60 minutes

- You may only reserve full 2 hour blocks starting on the EVEN hour
- Only one 2 hour block may be reserved during weekdays (8 AM - 6 PM M-F)
- You must leave a minimum of 4 hours between your slots during off hours and weekends
- You must indicate what y

MATERIALS COMPATIBILITY CATEGORY

Tool Category 4: Glass and Metal Categories

Allowed	Not Allowed
Tool category 1/1E, 2, and 3 materials	
Silicon Based Substrates and Films	No CNF Class A metals
III/V compound Semiconductors	**No Exposed CNF Group B metals-** ***metals can be buried/covered with staff approval***
Glass Substrates	Cannot be used as an etch stop
PECVD and ALD Films	
Buried Class B Metals with approval	
Organic/Bio Materials prepped w/o Salt Buffers	
Cured organics and baked Photoresist	No High Vapor pressure 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

- SiO_2 and Al_2O_3 are the only oxides allowed for evaporation
- No High vapor pressure materials (Pb, Sn, Zn, Cd, etc) (evaporants or substrates)

Last Updated: 11/26/2024