

Tool ID: 302
Tool Location: 103

Equipment Information Sheet
Arradiance ALD Gemstar-6

Manager:
Backup:

Jeremy Clark
Mac McMurdy

607-254-6487
607-254-4813

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

- Uses highly toxic & reactive / pyrophoric precurses for film deposition. Materials are monitored by TGMCS.

USAGE RESTRICTIONS
SCHEDULING/SIGN-UP RESTRICTIONS

Minimum Tool Time: 15 minutes

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 Compoundsare materials that have a vapor pressure above 1e-6 Torr at 400 C.

Additional Material Restrictions and Exceptions

- Pieces, 100mm, and 150mm wafers allowed
- Polymers must be fully cured at least 25C above the deposition temperature

Last Updated: 12/20/2022