

Tool ID: 318  
Tool Location: 110

## Equipment Information Sheet

# AJA Sputter Deposition - 3

**Manager: Tom Pennell 607-254-4309**  
**Backup: Shilling Du 607-254-4907**  
**Backup: Philip Schneider 607-254-4931**

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.

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### SAFETY

### USAGE RESTRICTIONS

- Users must remain in the cleanroom near the tool when the power supplies are in operation

### SCHEDULING/SIGN-UP RESTRICTIONS

*Minimum Tool Time: 15 minutes*

- Maximum 4 hour block reservations any time
- Must leave a 4 hour block between reservations
- Maximum of 12 hours reserved in advance at any time

### 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

- Tool users should discuss their specific materials needs with staff
- Due to laboratory material restriction policies, once a sample uses this chamber it may be restricted from other vacuum systems within the facility including etching and deposition systems.

*Last Updated: 06/16/2026*