

Tool ID: 318  
Tool Location: 110

Equipment Information Sheet  
**AJA Sputter Deposition - 3**

**Manager:** Tom Pennell  
**Backup:** Mac McMurdy

607-254-4309  
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**  
**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 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	<b>No Exposed CNF Group B metals- <i>metals can be buried/covered with staff approval</i></b>
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**

- Tool users should discuss their specific materials needs with staff

Last Updated: 03/16/2022