

Tool ID: 306  
Tool Location: 110

## Equipment Information Sheet

# AJA Sputter Deposition

**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.

### SAFETY

- No unusual hazards during normal operation

### USAGE RESTRICTIONS

- No buddy system restrictions

### SCHEDULING/SIGN-UP RESTRICTIONS

*Minimum Tool Time: 30 minutes*

- Maximum 4 hr block reservations anytime
- Must leave a 4hr block between reservations
- Maximum 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

- No high vapor pressure substrates or films (Lead, Zinc, Indium, ITO, Tin, Cadmium, etc)

*Last Updated: 04/02/2026*