

Tool ID: 306  
Tool Location: 110

Equipment Information Sheet

# AJA Sputter Deposition

**Manager: Tom Pennell 607-254-4309** 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	No Exposed CNF Group B metals- <i>metals can be buried/covered with staff approval</i>
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: 07/10/2024