

Tool ID: 702
Tool Location: 102

Equipment Information Sheet

Electroplating Hood - Cu

Manager: Christopher Alpha 607-254-4913 Calls to staff phones will be automatically forwarded to their cell phones during accessible hours. At other times
Backup: Aaron Windsor 607-254-4831 leave a message or send them an email.

SAFETY

- All Chemical hood policies apply for using the tanks/hoods
- Plating solutions can be corrosive and toxic. Please review MSDS sheets for the specific solution you will be

USAGE RESTRICTIONS

- All Chemical hood policies apply for using the tanks/hoods
- Chemical buddy is required for work outside normal business hours (8am- 6pm, M-F)

SCHEDULING/SIGN-UP RESTRICTIONS

Minimum Tool Time: 60 minutes

- None currently
- Restrictions may be put in place if the reservation system is abused

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

- No flaking, peeling, or loose materials may be placed into the bath.
- Nothing that generates particulates may be placed into the bath.
- Only photoresist or polyimide may be used as mask materials. These MUST be hardbaked before electroplating to prevent

Last Updated: 05/27/2026