Tool ID: 204
Tool Location: 107

Equipment Information Sheet

PT720 Etcher

Manager: Aaron Windsor 607-254-4831
Backup: Jeremy Clark 607-254-6487

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
- Cl2 and BCl3 gases are used

USAGE RESTRICTIONS

- No buddy system restrictions imposed on normal operation
- User must remain in lab during operation
- pieces should be mounted to a sapphire wafer.

SCHEDULING/SIGN-UP RESTRICTIONS

Minimum Tool Time: 15 minutes

- None

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

- Use sapphire carrier wafer for pieces
- The PT720/740 is a class 5 category tool with few materials restrictions.

Last Updated: 08/05/2024