

Tool ID: 623
Tool Location: 128

Equipment Information Sheet

Panalytical X-ray Diffractometer

Manager: Xinwei Wu

Backup: Jeremy Clark

607-254-4934

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

- The XRD is a safe instrument when operated normally. However, it can be easily damaged if used improperly.

USAGE RESTRICTIONS

- No buddy system restrictions imposed on normal operation.

SCHEDULING/SIGN-UP RESTRICTIONS

- 4 hours maximum between 9 AM - 6 PM
- There must be a minimum of 4 hours between any two reservations

Minimum Tool Time: 15 minutes

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 Compoundsare materials that have a vapor pressure above 1e-6 Torr at 400 C.

Additional Material Restrictions and Exceptions

Last Updated: 01/13/2022