

Tool ID: 614  
Tool Location: 121

Equipment Information Sheet  
**Rudolph FTM**

**Manager:** Mac McMurdy  
**Backup:** Michael Skvarla

607-254-4813  
607-254-4674

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**  
**SCHEDULING/SIGN-UP RESTRICTIONS**

Minimum Tool Time: 0  
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**

- You need to know the index of refraction of the film being measured
- Measurement area is 2 X 6 mm
- Film optical thickness must be between 300 and 5,000 nm

Last Updated: 02/05/2020