

Tool ID: 618  
Tool Location: 128

### Equipment Information Sheet

## AFM - Veeco Icon

**Manager:**

**Xinwei Wu**

**607-254-4934**

**Black M. Murdy**

**607-254-4813**

~~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: 15 minutes*

- Maximum 2 hour block anytime

### 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

- 6 wafers or smaller
- Magnetic pucks available for small pieces

*Last Updated: 01/13/2022*