Tool ID: 629
Tool Location: 102

Equipment Information Sheet

Keyence VHX-7100 Digital Microscope

Manager: Giovanni Sartorello 607-254-4853
Backup: Christopher Alpha 607-254-4913
Backup: Michael Skvarla 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

- The microscope head is heavy. Handle tilt control with great care.
- Do not drive objectives into your sample.

USAGE RESTRICTIONS
SCHEDULING/SIGN-UP RESTRICTIONS

Minimum Tool Time: 5 minutes

- Minimum usage: 5 minutes.
- Maximum usage: 60 minutes.
- Maximum of 4 reservations per day, with at least 60 minutes in-between.
- Maximum 120 minutes total in future reservations.
- No consecutive reservations for members of the same group.

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

Last Updated: 04/23/2026