Tool ID: 427
Tool Location: 137

Equipment Information Sheet

Nanoscribe GT2

Manager: Giovanni Sartorello 607-254-4853
Backup: Xinwei Wu 607-254-4934

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

- Prior to using the Nanoscribe make sure to carefully read the user manual and understand the sections on Electric Safety, Mechanical Safety, and Laser Safety.
- Mare sure while operating the machine you are wearing safety glasses, no exceptions.

USAGE RESTRICTIONS

- A basic understanding of Two-Photon Polymerization.
- Be familiar with the layout of the NanoGuide website.
- Be familiar with the information on the NanoGuide.
- Understand the hardware and material restrictions on the CNF tool.

SCHEDULING/SIGN-UP RESTRICTIONS

Minimum Tool Time: 15 minutes

- Reserve the tool before use and be on time for your reservation.
- Large, high-resolution jobs take a long time to expose. Discuss them with staff beforehand.

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

- No resin immersion printing except with standard resins.
- No oil immersion printing except with the provided oil.
- No user resins allowed unless approved by staff.

Last Updated: 11/20/2026