

Tool ID: 104  
Tool Location: 103

Equipment Information Sheet

## Category 3 Polysilicon - A4

**Manager:** Phil Infante 607-254-4926

**Backup:** Aaron Windsor 607-254-4831

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 furnaces are run at elevated temperatures of 400-1200°C and use flammable, toxic, and corrosive gases.

**USAGE RESTRICTIONS**

- No changing of gas flows or process parameters without staff approval
- Max temperature of 650 C

**SCHEDULING/SIGN-UP RESTRICTIONS**

Minimum Tool Time: 90 minutes

- Reservation blocks greater than 8 hrs must be cleared by a MOS staff person prior to reserving the time

**MATERIALS COMPATIBILITY CATEGORY**

Tool Category 3: Silcion, III-V Compound Semiconductor, Glass and Metal Category	
Allowed	Not Allowed
Tool category 1/1E and 2 materials	Glass Substrates
III/V compound Semiconductors allowed	No CNF Class A or Class B metals-and oxides/compounds of i.e. (Magnesium,Zinc, Barium, Calcium)
PECVD and ALD Films	No High Vapor pressure materials
Cured organics and baked Photoresist	
Organic/Bio Materials prepped w/o Salt Buffers	

**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**

- Category 3 MOS CLEAN required prior to use

Last Updated: 03/20/2019