

University of MN, Minnesota Nano Center

Standard Operating Procedure

Equipment Name:	Hard bake oven	Revision Number:	3
Badger Name:	oven-3	Revisionist:	Paul Kimani
Model:	Lab-Line Duo-Vac	Date:	29 October 2013
Location:	Bay 2		

1. Description

- a. This is an exhausted oven with a monitored temperature setting of 120 °C. There is a center rack for placing substrate boats. The left dial, the **Control Thermostat** is set at **50** the right dial, the **Dial Safety** is set at **70**.

2. Safety

- a. Take caution when unloading your hot substrates when the bake time is complete.

3. Restrictions/Requirements

- a. Wafers may have material on the surface that could out gas fumes such as photoresist. This oven is exhausted.
- b. Do not change the temperature of this oven; it is to remain at 120 °C.

4. Required Facilities

- a. 120V electrical outlet.

5. Definitions

6. Setup

- a. Place substrates arranged perpendicular in the quartz boats provided or place the substrates on a handmade foil boat.
- b. Users must supply their own method of timing the length of bake.

7. Operating Instructions

- a. Open the door and place substrates in the oven on the rack and close the door.

8. Problems/Troubleshooting

- a. If the settings are not at the above set point, notify the process staff.