

# University of Minnesota Nano Fabrication Center

## Standard Operating Procedure

**Equipment Name:** Hard bake oven

**Coral Name:** oven-3

**Revision Number:** 2

**Model:** Lab-Line Duo-Vac

**Revisionist:** K.Burkland

**Location:** Bay 2

**Date:** 10/28/03

### 1 **Description**

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, 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 remain at 120°C.

### **Required Facilities**

a Electrical outlet.

### 4 **Definitions**

a none

### 5 **Setup**

a Place substrates perpendicular in the quartz boats provided or place the substrates on a hand made foil boat.

b Users must supply their own method of timing their length of bake.

### 6 **Operating Instructions**

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

### 7 **Problems/Troubleshooting**

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