

# University of Minnesota Nano Fabrication Center

## Standard Operating Procedure

**Equipment Name:** Soft bake oven

<b>Coral Name:</b>	oven-2	<b>Revision Number:</b>	2
<b>Model:</b>	Lab-Line Imperial III	<b>Revisionist:</b>	K.Burkland
<b>Location:</b>	Bay 2	<b>Date:</b>	10/28/03

### 1 **Description**

This is an exhausted oven with a monitored temperature setting between 85-105°C. The Temperature Set LED is set at 95 °C, the Hi-Safety Thermostat dial is set at 40.

### 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 between 85-105°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 and close the door.

### 7 **Problems/Troubleshooting**

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