Gamma Operation Instructions

Enable the tool in **CORAL**, then log into the software as "user" with password "cnf".

Press the **I/O Door Interlock** to unlock the door and remove the wafer cassette.

IMPORTANT: Load wafers with <u>major flats</u> at the <u>bottom</u> of the cassette, <u>facing out of the tool</u> when loaded. Be careful not to cross-slot them.

Place the carrier in either load station making sure that the H-bar sits in the slot, then close the door and press the **I/O Door Interlock** to lock the door.

Click on the **Jobs** button at the bottom of the screen, then click the **Load Carrier** button. The tool will detect the wafers and select all by default.

Click **Select Substrates** to change which wafers are selected.

Click **Select Sequence** to choose the program to run. <u>Do not</u> click <u>**Add** Sequence</u> unless you want to run programs sequentially without stopping between programs (NOT recommended).

Nozzle Clean (**1030**) <u>**MUST**</u> be run before coating wafers with automatically dispensed material. Run the job using a single wafer. Repeat until nozzle streams are normal. <u>Pre-rinsing the nozzles using Acetone is recommended before running the cleaning job.</u>

Click **Start Sequence** to start the program. Hotplate temperature ramp may delay start.

Run at least 1 dummy wafer first in ARC or photoresist coating jobs. If you see problems with the dummy, the remaining wafers can be prevented from processing by using the **Input Stop** button on the right side of the **Jobs** screen.

Stranded wafers from failed jobs can be removed manually:
Click the **Pause** button on upper right of main screen.
Hold the left mouse button to drag each wafer to the desired module and click OK.

Standard program for DUV ARC is **1002** (DUV42P @ 62nm).

Standard programs for DUV photoresist are **1003** (UV210 @ 0.6μm) and **1009** (UV210 @ 0.5μm)

<u>Rinse dispense nozzles with Acetone when finished.</u>

Standard program for DUV development is **2010** (135°C 90 sec, 726 MIF 60 sec.). No dummy wafers are necessary.

When program completes, unlock door and remove wafers. Replace cassette and lock door. Log out of the software, then log out of **CORAL**.