Rapid Thermal Processor - AG 8108

Manager: Paul Pelletier
Backup: Mike Skvarla

Safety
- All users require training by CNF staff prior to tool use.
- Keep front window closed during processing.
- Keep hands away from transfer robot while tool is operating.

Process Restrictions

Material Restrictions
- Silicon wafers, electronic grade SiC, or pure fused silica/quartz samples only
- No glass substrates, compound semiconductors, etc.
- No resists, polymers, or metals—exposed or unexposed
- Only samples with MOS and GSI PECVD films are allowed
- No evaporated films, sputtered films, or spun films.

Parameter Restrictions
- Maximum allowable temperature is 1150°C

Scheduling / Sign-up Restrictions
- Maximum 6-hour block

Requirements (Do Every Time)
- MOS clean/MOS compatible wafers cleaned in boats marked "8108" only allowed in the tool.
- Use clean green nitrile gloves when transferring MOS cleaned wafers from the MOS area to the 8108.
- Place empty 8108 boats on the 8108 cassette stands when you are finished.
- Place 8108 wafer boat(s) in a clean Blue box(s) from the MOS area when transferring wafers from the MOS area to the 8108.
- Only MOS compatible materials allowed on the storage shelf marked "8108 wafer boxes only" next to the tool.
- Be sure to close the front window when you are finished.
- Be sure that the Pyrometer Chiller underneath the monitor table is "ON".

Prohibitions (Never Do)
- Never change the password in the LOG menu after login.
- DO NOT use boats and beakers from the general chemistry area.
- DO NOT put 8108 boats on the dishwasher rack in the general chemistry area.
- DO NOT place any materials other than the 8108 boats on the cassette stands.
- DO NOT place any materials in the wafer handling area of the tool.

Common Problems

<table>
<thead>
<tr>
<th>Problem:</th>
<th>Root Cause:</th>
<th>Solution:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front window will not close</td>
<td>Boats not installed on cassette stands</td>
<td>Install 8108 boats on cassette stands</td>
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</tbody>
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Other Comments or Cautions