ReynoldsTech Conductive Polymer Vapor Deposition Tool

Manager: Beth Rhoades
Backup: Aaron Windsor
Work Phone 254-4918
Calls to staff phones will be automatically forwarded to their cell phones during accessible hours. At other times leave a message or send them an email.

Safety
- Machine uses flammable solvents.
- Fumes created in the machine

Process Restrictions

Material Restrictions
- Iron(III)tosylate and EDOT process

Parameter Restrictions
- Maximum hotplate temperatures of 120°C

Scheduling / Sign-up Restrictions
- Reserve on the CORAL system

Requirements (Do Every Time)
- Face shields to be worn when changing liquid sources or handling waste containers.
- Source container must be filled at chemical hood.
- Source containers need to have a screw-on lid when carrying from the hood to tool.
- ALWAYS close the sliding door before starting a cycle.
- ALWAYS home the robotic arm before loading a wafer.

Prohibitions (Never Do)
- DO NOT open the top panels when the tool is operating or after a wafer has been processed. This is to avoid fumes.
- DO NOT leave a wafer in the tool.
- DO NOT open Panels #2 & #3 while the tool is powered on.
- DO NOT load new chemistry without permission from the tool manager.

Common Problems

<table>
<thead>
<tr>
<th>Problem</th>
<th>Root Cause</th>
<th>Solution</th>
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<tbody>
<tr>
<td>Wafer flies off spinner</td>
<td>Spinner chuck is dirty</td>
<td>- Turn off the tool, open the top panel, let any strong fumes fade, clean the chuck with acetone on a beta wipe.</td>
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<tr>
<td>Robotic arm fails</td>
<td>Arm not homed before starting a cycle</td>
<td>- Home the arm as explained in the operating manual.</td>
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<td>Misalignment or software malfunction</td>
<td>- Use the EMO shutoff/repower/recover cycle as explained in the operating manual.</td>
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<td>Arm physically catches on tool components</td>
<td>- IMMEDIATELY shutoff the tool via the EMO button and follow the instructions for repowering and wafer recovery in the operating manual.</td>
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Other Comments or Cautions

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