PT720 Etcher

Manager: Vince Genova  
Backup: Jerry Drumheller  
Backup: Meredith Metzler

Work Phone  
254-4907  
254-4859  
254-4934

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
- No unusual hazards during normal operation
- Cl2 and BCl3 gases are used
- No buddy system restrictions imposed on normal operation
- User must remain in lab during operation

Process Restrictions
Material Restrictions
- Silicon and polysilicon etch only
- Oxide masks only, no photoresist
- No III-V etching
- No aluminum etching
- No transparent substrates
- Use fused silica carrier wafer for pieces

Parameter Restrictions
- Keep RF power below 500 W

Scheduling / Sign-up Restrictions
- None

Requirements (Do Every Time)
- Select the proper chamber (Right)
- Pump loadlock when done
- Record usage in logbook

Prohibitions (Never Do)
- DO NOT Press abort - instead end-step the process
- DO NOT modify the standard silicon etch recipe

Common Problems

Problem:  
Root Cause:  
Solution:  

Other Comments or Cautions
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Backup: Meredith Metzler  forwarded to their cell phones during
Work Phone: 254-4859  accessible hours. At other times leave a
Work Phone: 254-4934  message or send them an email.

Safety
- No unusual hazards during normal operation
- Cl2, BCl3, CH4 gases used
- No buddy system restrictions imposed on normal operation
- User must remain in lab during operation

Process Restrictions

Material Restrictions
- Aluminum etch only
- No silicon or III-V etching
- No transparent substrates
- Use sapphire carrier wafer for pieces

Parameter Restrictions
- Keep RF power less than 500 W

Scheduling / Sign-up Restrictions
- None

Requirements (Do Every Time)
- Select the proper chamber (left)
- Pump loadlock when done
- Record usage in log book

Prohibitions (Never Do)
- DO NOT press abort - instead end-step the process
- DO NOT modify standard Al etch recipe

Common Problems

<table>
<thead>
<tr>
<th>Problem</th>
<th>Root Cause</th>
<th>Solution</th>
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Other Comments or Cautions

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