PG Mask Writer

Manager: Mike Skvarla  
Backup: Edward Camacho  
Backup: Garry Bordonaro  
Work Phone: 254-4674  
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
- No buddy system restrictions imposed on normal operation

Process Restrictions
Material Restrictions
- 3" - 7" 0.090" thick plates (165mm X 159mm write area)
- Back of substrate must be CLEAN - NO RESIST on back

Parameter Restrictions
- Set proper size in program as per manual (i.e. use 124mm for 127mm plate)
- Keep all data at least 3mm from edge of mask as defined above
- Fiducial marks on 127mm plates ONLY

Scheduling / Sign-up Restrictions
- Maximum 4 hour block reservations during daytime
- Maximum 12 hours reserved in advance (excluding overnight)
- No consecutive research group reservations
- Users/Groups may use any amount of unreserved time
- Additional individual restrictions may be imposed to maximize use

Requirements (Do Every Time)
- Check MODE (1MSM)
- Clean up - NO items in chamber

Prohibitions (Never Do)
- NEVER Leave chamber doors open
- NEVER Load/remove substrate EXCEPT at loading position
- NEVER Tighten screws on chuck - finger tight ONLY
- NEVER Get oil on stage surface
- NEVER Fix anything

Common Problems
<table>
<thead>
<tr>
<th>Problem</th>
<th>Root Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focus error; Time Out</td>
<td>Wrong size plate, wrong plate position</td>
<td>Change plate size in job, move banking pins to proper locations</td>
</tr>
<tr>
<td>X-Y data range error</td>
<td>Data too big, label position wrong</td>
<td>Check data in CAD, check that label is within plate limits</td>
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</tbody>
</table>

Other Comments or Cautions
- Run TT and TQ before starting job
- Type Ctrl-P to see job status/elapsed time
- Dose must be adjusted for large clear field masks

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