Equipment Information Sheet

ABM Contact Aligner

Manager: Garry Bordonaro  607-254-4936
Backup: Giovanni Sartorello  607-254-4853

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

- Orange UV glasses are recommended during exposure, but not required

USAGE RESTRICTIONS

- No buddy system restrictions imposed on normal operation

SCHEDULING/SIGN-UP RESTRICTIONS

- Minimum Tool Time: 15 minutes

- Maximum 4 hour block reservations anytime
- Maximum 12 hours reserved in advance
- No consecutive research group reservations
- Users/Groups may use any amount of unreserved time
- Additional individual restrictions may be imposed to maximize use

MATERIALS COMPATIBILITY CATEGORY

**Tool Category 5: Class A and B Metals and Compounds**

<table>
<thead>
<tr>
<th>Allowed</th>
<th>Not Allowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool category 1/1E, 2, 3, and 4 materials</td>
<td></td>
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<tr>
<td>Silicon Based Substrates and Films</td>
<td></td>
</tr>
<tr>
<td>III/V compound Semiconductors</td>
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<tr>
<td>Glass Substrates</td>
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<tr>
<td>PECVD and ALD Films</td>
<td></td>
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<tr>
<td>Cured organics and baked Photoresist</td>
<td></td>
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<tr>
<td>CNF Class A, B, and Refractory metals</td>
<td></td>
</tr>
<tr>
<td>Exposed Gold, Silver, Copper</td>
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<tr>
<td>Alkali and Alkaline Compounds</td>
<td></td>
</tr>
<tr>
<td>Organic/Biology Molecules prepared-w/salt buffers</td>
<td></td>
</tr>
<tr>
<td>High Vapor Pressure Materials (Mg, Ca, Zn)*</td>
<td>* Some tool restrictions on high vapor pressure materials may apply</td>
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<tr>
<td>Soft organic materials</td>
<td></td>
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</tbody>
</table>

High Vapor Pressure Metals and Compounds are materials that have a vapor pressure above 1e-6 Torr at 400 C.

**Additional Material Restrictions and Exceptions**

- 4" - 9" masks, up to 200mm wafers, up to 0.25" thick
- Back of substrate must be CLEAN - NO RESIST on back

Last Updated: 08/08/2023