Technical tip

Dynastrip™ DL9150
Non-TMAH
Multi-purpose Photoresist and Post Etch Residue Remover
Dynastrip™ DL9150 is a cutting edge technology that yields optimal clean surface results without using hydroxyl amine or tetramethyl ammonium hydroxide (TMAH). Dynastrip DL9150 combines outstanding cleaning with metal compatibility while raising the bar for environmental, health and safety (EH&S) compliance.

**Cleaning process applications**

Post silicon DRIE residue removal

Liquid or Dry Film photoresist removal
- Cu pillar process
- Electroplated Pb free solder bump

**Advantages**
- Rapid dissolution of crosslinked photoresist
- Outstanding compatibility with Cu, Sn, Ag
- Fit for use with exposed polyimide

**Storage**
Store in a temperature controlled area (23 - 27°C). Keep container tightly closed. Product left open to air will absorb moisture which can result in decreased product performance.

**Photoresist materials removed**
- Post Bosch process residues
- JSR THB 151N
- JSR THB 387N
- AZ4620
- Asahi CX A270

**Typical parameters**
- Bath Makeup: 100% (no dilution)
- Process temperature: 50°- 80°C
- Process strip time: 30 – 60 min
- Rinse: DI water, IPA or alternate solvent

**Material compatibility**

*Recommended materials including*
- Stainless Steel
- HDPE and polypropylene
- Quartz

*Avoid materials including*
- PVC
- Viton™
- Silicone
**Typical Results**

**Before Strip**

**After Strip Result**

**Typical metal etch rates**
- Etch rates determined by sheet resistance testing
- Process temp: 70°C
- Process time: 30 min

<table>
<thead>
<tr>
<th>Metal</th>
<th>Å/min</th>
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<tbody>
<tr>
<td>Cu</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Al</td>
<td>&lt;5</td>
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Material Safety Data Sheets providing safety precautions that should be observed when handling and storing Eastman products are available online or by request. You should obtain and review the available material safety information before handling any of these products. If any materials mentioned are not Eastman products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.

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