HIGH PERFORMANCE IN A CLOSED SIDE WALL CONFIGURATION
Overview

Trends in wafer processing technology have mandated advancements in wafer carrier technology to support today’s advanced semiconductor processing facilities. Wafer carriers designed for **advanced wafer transport** offer dramatic performance benefits over traditional low- and mid-range wafer carriers, including:

- **Precise wafer access** – the wafer is in a precise and predictable location
- **Reliable equipment operation** – on process tools and automated materials handling systems
- **Secure wafer protection** – from contamination and damage
Material Specifications

STAT-PRO 9000
• Next Generation advanced wafer transport carrier material
• Static dissipative blend of Carbon Nanotube (CNT) enhanced polyetheretherketone (PEEK™) carbon compound
• Temperature limits:
  Continuous use – 120°C (248°F)
  Wafer insertion – 340°C (644°F)

STAT-PRO 3000
• Advanced wafer transport carrier material
• Static dissipative blend of polyetheretherketone (PEEK) and carbon fiber
• Temperature limits:
  Continuous use – 120°C (248°F)
  Wafer insertion – 340°C (644°F)

STAT-PRO 100
• Wafer transport carrier material
• Static dissipative blend of polypropylene and carbon powder
• Temperature limits:
  Continuous use – 55°C (131°F)
  Wafer insertion – 70°C (158°F)

EMSTAT AR+
• Wafer transport carrier material
• Static dissipative blend of polypropylene, carbon powder and PTFE
• Temperature limits:
  Continuous use – 55°C (131°F)
  Wafer insertion – 70°C (158°F)

General Specifications
• Closed side wall style
• Locating track notches at the center of the thirteenth pocket
• Pins and holes on the top rail (unless noted)
• Wafer capacity: 25
• D1 dimension: 25.4 mm (1.00″)
• Pocket spacing: 6.4 mm (0.25″)
• Pocket flat: 1.7 mm (0.07″)
Ordering Information

Next generation advanced wafer transport carriers shown in bold purple. Advanced wafer transport carriers shown in bold.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>End Wall Configuration</th>
<th>&quot;H&quot; Bar End Flanges</th>
<th>Compatible Boxes</th>
<th>Material</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>KX202-0100-97C02</td>
<td>Handle, flanges</td>
<td>Yes</td>
<td>E99, E210, HA200</td>
<td>STAT-PRO 9000</td>
<td></td>
</tr>
<tr>
<td>KX202-0200-97C02</td>
<td>Flanges</td>
<td>Yes</td>
<td>E99, E210, HA200</td>
<td>STAT-PRO 9000</td>
<td></td>
</tr>
<tr>
<td>KX202-0500-97C02</td>
<td>Handle, flanges</td>
<td>Yes</td>
<td>E99, E210, HA200</td>
<td>STAT-PRO 9000</td>
<td></td>
</tr>
<tr>
<td>KA202-80S-47C02</td>
<td>Flanges</td>
<td>Yes</td>
<td>E99, E210, HA200</td>
<td>STAT-PRO 3000</td>
<td>No pins and holes</td>
</tr>
<tr>
<td>KA202-80S-47C05</td>
<td>Flanges</td>
<td>Yes</td>
<td>E99, E210, HA200</td>
<td>STAT-PRO 3000</td>
<td>Green color, No pins and holes</td>
</tr>
<tr>
<td>KA202-80SH-47C02</td>
<td>Handle, flanges</td>
<td>Yes</td>
<td>E99, E210, HA200</td>
<td>STAT-PRO 3000</td>
<td></td>
</tr>
<tr>
<td>KA202-80SHH-47C02</td>
<td>Handle, flanges</td>
<td>Yes</td>
<td>E99, E210, HA200</td>
<td>STAT-PRO 3000</td>
<td></td>
</tr>
<tr>
<td>XT203-0100</td>
<td>Handle, flanges</td>
<td>Yes</td>
<td>E99, E210, HA200</td>
<td>EMSTAT AR+</td>
<td></td>
</tr>
<tr>
<td>XT203-0200</td>
<td>Flanges</td>
<td>Yes</td>
<td>E99, E210, HA200</td>
<td>EMSTAT AR+</td>
<td></td>
</tr>
<tr>
<td>XT203-0500</td>
<td>Handle, flanges</td>
<td>Yes</td>
<td>E99, E210, HA200</td>
<td>EMSTAT AR+</td>
<td></td>
</tr>
<tr>
<td>PA192-80M-0603</td>
<td>Handle, flanges</td>
<td>No</td>
<td>E99, E210, HA200</td>
<td>Blue polypropylene</td>
<td>Red, green, yellow, orange and natural colors available</td>
</tr>
</tbody>
</table>

1 Standard size, high position  2 Standard outboard  3 Standard radiused outboard

Migration Paths

Migration paths allow you to move up to advanced wafer transport carriers as your needs change.

<table>
<thead>
<tr>
<th>Wafer Transport Carrier</th>
<th>Advanced Wafer Transport Carrier</th>
<th>Next Generation Advanced Wafer Transport Carrier</th>
</tr>
</thead>
<tbody>
<tr>
<td>XT203-0100</td>
<td>KA202-80SH-47C02</td>
<td>KX202-0100-97C02</td>
</tr>
<tr>
<td>XT203-0200</td>
<td>KA202-80S-47C02</td>
<td>KX202-0200-97C02</td>
</tr>
<tr>
<td>XT203-0500</td>
<td>KA202-80SHH-47C02</td>
<td>KX202-0500-97C02</td>
</tr>
</tbody>
</table>

For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit www.entegris.com and select the Customer Service link for the center nearest you.

Terms and Conditions of Sale

All purchases are subject to Entegris’ Terms and Conditions of Sale. To view and print this information, visit www.entegris.com and select the Legal Notices link from the footer.