The industry standard 200 mm wafer carrier
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)

**Blue Polypropylene**
- Wafer transport carrier material
- Temperature limits:
  - Continuous use – 55°C (131°F)
  - Wafer insertion – 70°C (158°F)

General Specifications
- Open side wall style
- Locating track notches at the center of the thirteenth pocket
- Pins and holes on the top rail
- Wafer capacity: 25
- D1 dimension: 25.4 mm (1.00")
- Pocket spacing: 6.4 mm (0.25")
- Pocket flat: 1.7 mm (0.07")

Identification Options

Entegris offers a variety of identification options for carrier identification, including:
- Laser marking
- Bar code labels
- RFID tags
- Cardholders
- Colored ID tags

Contact Entegris to determine a suitable identification method for your application.
## Ordering Information

Next generation advanced wafer transport carriers shown in **bold blue**. 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>K198-80M-97C02</td>
<td>Handle¹, flanges²</td>
<td>No</td>
<td>E99, E210, HA200</td>
<td>STAT-PRO 9000</td>
<td>—</td>
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<tr>
<td>K198-80MB-97C02</td>
<td>Handle¹, flanges²</td>
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<td>E99, E210, HA200</td>
<td>STAT-PRO 9000</td>
<td>H-bar robotic flanges</td>
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<td>STAT-PRO 3000</td>
<td>H-bar robotic flanges</td>
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<td>PA192-80M-61C02</td>
<td>Handle¹, flanges²</td>
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<td>PA192-80M-0603</td>
<td>Handle¹, flanges²</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

### 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>PA192-80M-61C02</td>
<td>KA198-80M-47C02</td>
<td>K198-80M-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](http://www.entegris.com) and select the Customer Service link for the center nearest you.

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