



## 200 SERIES 200 MM WAFER TRANSPORT CARRIERS

*Reliable performance for automated  
material handling system (AMHS) applications*



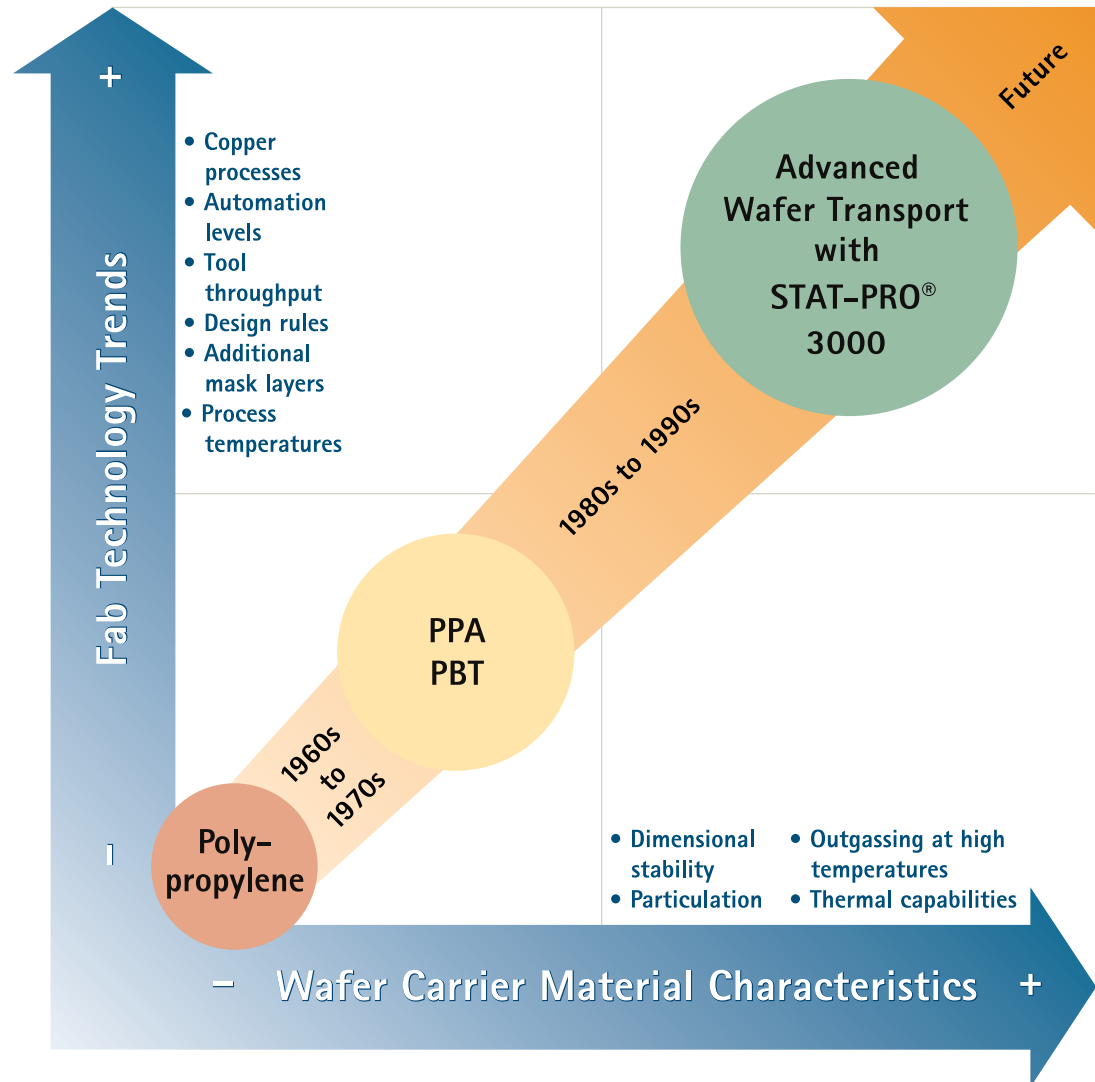
## Advanced Wafer Transport

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 AMHS
- Secure wafer protection – from contamination and damage

## General Specifications

- Open side wall style (unless noted)
- Locating track notches at the center of the thirteenth pocket
- Pins and holes on the top rail (unless noted)
- Wafer capacity: 25 (unless noted)
- D1 dimension: 25.4 mm (1.00")
- Pocket spacing: 6.4 mm (0.25")
- Pocket flat: 1.8 mm (0.07")



## Ordering Information

Advanced wafer transport carriers shown in bold.

| Part Number              | End Wall Configuration   | "H" Bar End Flanges | Compatible Boxes | Material       | Notes  |
|--------------------------|--|---------------------|------------------|----------------|--|
| <b>KA200-79MDT-47C02</b> | Flanges <sup>2</sup> , inboard flanges                         | No                  | E210             | STAT-PRO 3000  | "H" bar web, RFID cavity on "H" bar              |
| <b>KA200-81MF-47C02</b>  | Flanges <sup>2</sup> , integral cardholder                     | No                  | E210             | STAT-PRO® 3000 | 26-capacity, no pins and holes, closed side wall |
| <b>KA200-85MD-47C02</b>  | Flanges <sup>2</sup> , inboard flanges                         | No                  | E210             | STAT-PRO 3000  | No pins and holes, "H" bar web                   |
| <b>KA200-85MDA-47C02</b> | Flanges <sup>2</sup> , inboard flanges, welded cardholder      | No                  | E210             | STAT-PRO 3000  | No pins and holes, "H" bar web                   |
| <b>KA200-85MH-47C02</b>  | Handle <sup>1</sup> , flanges <sup>4</sup>                     | No                  | E99, E210        | STAT-PRO 3000  | No pins and holes                                |
| <b>KA200-85MT-47C02</b>  | Flanges <sup>3</sup>   | No                  | E210, HA200      | STAT-PRO 3000  | "H" bar web                                      |
| <b>KA200-85MTH-47C02</b> | Handle <sup>5</sup> , flanges <sup>3</sup>                     | No                  | E210             | STAT-PRO 3000  |  |
| PA200-79MDT-61C02        | Flanges <sup>2</sup> , inboard flanges, welded cardholder      | No                  | E210             | STAT-PRO 100   | No pins and holes, "H" bar web                   |
| PA200-79MDTH-61C02       | Handle <sup>1</sup> , flanges <sup>2</sup> , welded cardholder | No                  | E210             | STAT-PRO 100   | No pins and holes, "H" bar web                   |
| PA200-80MD-61C02         | Flanges <sup>2</sup>   | No                  | E210             | STAT-PRO 100   | "H" bar web                                      |
| PA200-80MG-61C02         | Handle <sup>5</sup> , flanges <sup>3</sup>                     | No                  | E210             | STAT-PRO 100   | "H" bar web                                      |
| PA200-80MT-61C02         | Flanges <sup>3</sup>   | No                  | E210, HA200      | STAT-PRO 100   | "H" bar web                                      |

<sup>1</sup>Standard size, high position

<sup>2</sup>Wide outboard

<sup>3</sup>C-style outboard

<sup>4</sup>Wide outboard, 45° angle

<sup>5</sup>Large size, high position

## Migration Paths

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

| Wafer Transport Carrier | Advanced Wafer Transport Carrier |
|-------------------------|----------------------------------|
| PA200-79MDT-61C02       | <b>KA200-79MDT-47C02</b>         |
| PA200-79MDTH-61C02      | <b>KA200-85MTH-47C02</b>         |
| PA200-80MD-61C02        | <b>KA200-85MD-47C02</b>          |
| PA200-80MG-61C02        | <b>KA200-85MTH-47C02</b>         |
| PA200-80MT-61C02        | <b>KA200-85MT-47C02</b>          |

## Specifications

|                     |               |  |                               |
|---------------------|---------------|--|-------------------------------|
| Materials:          | STAT-PRO 3000 | Advanced wafer transport carrier material; static dissipative blend of polyetheretherketone (PEEK™) and carbon fiber |                               |
|                     | STAT-PRO 100  | Wafer transport carrier material; static dissipative blend of polypropylene and carbon powder                        |                               |
| Temperature limits: | STAT-PRO 3000 | Continuous use 120°C (248°F)   | Wafer insertion 340°C (644°F) |
|                     | STAT-PRO 100  | Continuous use 55°C (131°F)  | Wafer insertion 70°C (158°F)  |

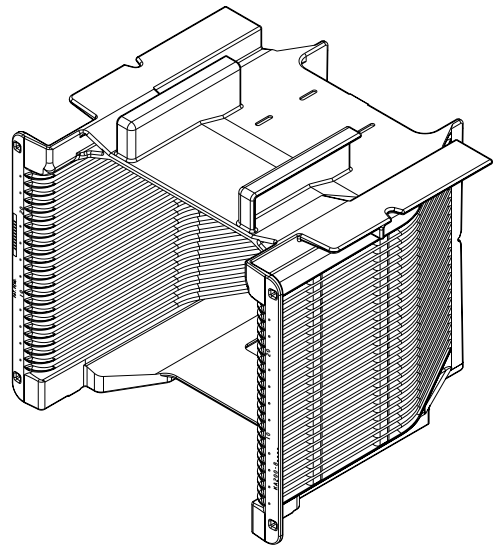
## Identification Options

Entegris offers a variety of identification options for carrier identification, including:

- Laser marking
- Bar code labels
- Radio frequency tags
- Cardholders
- Colored ID tags

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

**KA200-79MDT-47C02**



## 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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