

# Hiner-pack<sup>®</sup> MVWS Canister 200 mm

*Vertical stacking shipper with cassette,  
bottom, and top for wafer protection*

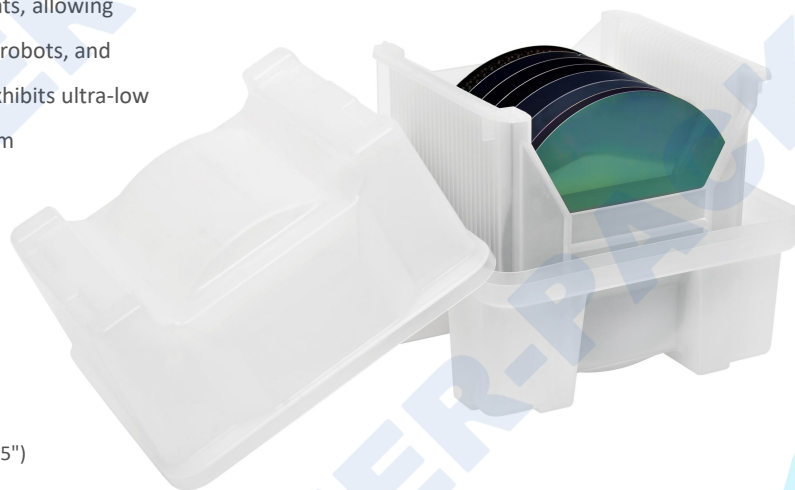
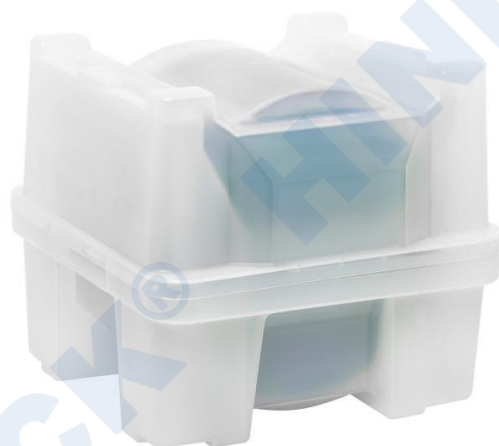
The vertical wafer shipper features a three-piece assembly (bottom, cassette, top) engineered to hold up to 25 full-thickness wafers. The design of three-in-one shipper maximizes space while minimizing movement within the box, which can prevent the movement inside the slot during transportation, thereby reducing the potential for edge defects of the wafer during transit. Protecting vertically stored wafers during safe transportation while allowing easy access. Support springs or alignment inside the Upper cover keys hold each wafer securely, preventing tilt, vibration, and contact between adjacent wafers, effectively avoiding wafer rotation, preventing wafer breakage. Dimensions conform to industry-standard cassette footprints, allowing plug-and-play integration with existing load ports, transfer robots, and storage racks. Crafted from high-purity polypropylene, it exhibits ultra-low ionics and minimal outgassing, meeting stringent cleanroom requirements.

## SPECIFICATIONS

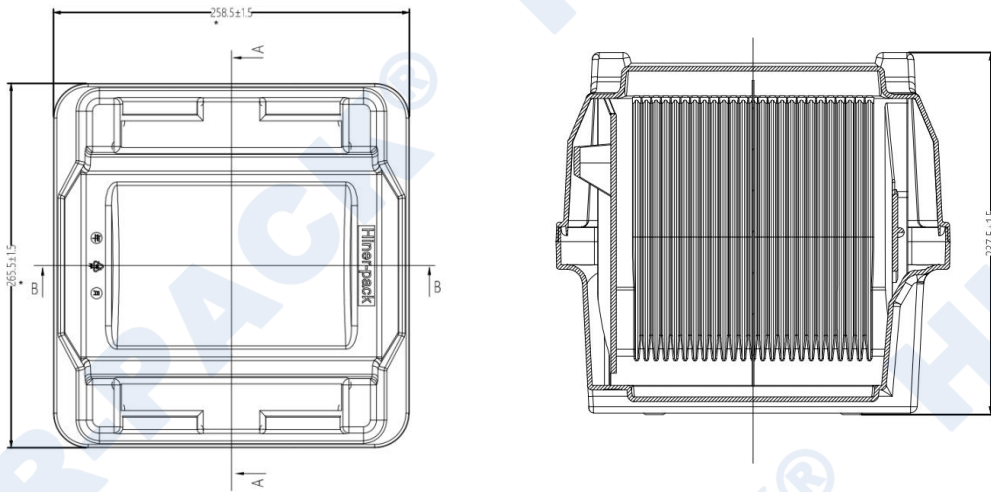
- 265.5 mm L × 258.5 mm W × 237.5 mm H (10.45" × 10.18" × 9.35")
- Maximum load capacity is 25 pieces
- Sold in full case quantity (8)

## FEATURES & BENEFITS

- Made from low-particle/ionic/outgassing material
- Three-piece design includes bottom, cassette, and top
- Springs or alignment features inside the upper cover prevent wafer movement during handling
- Compatible with automation load ports and standard cassette handling tools



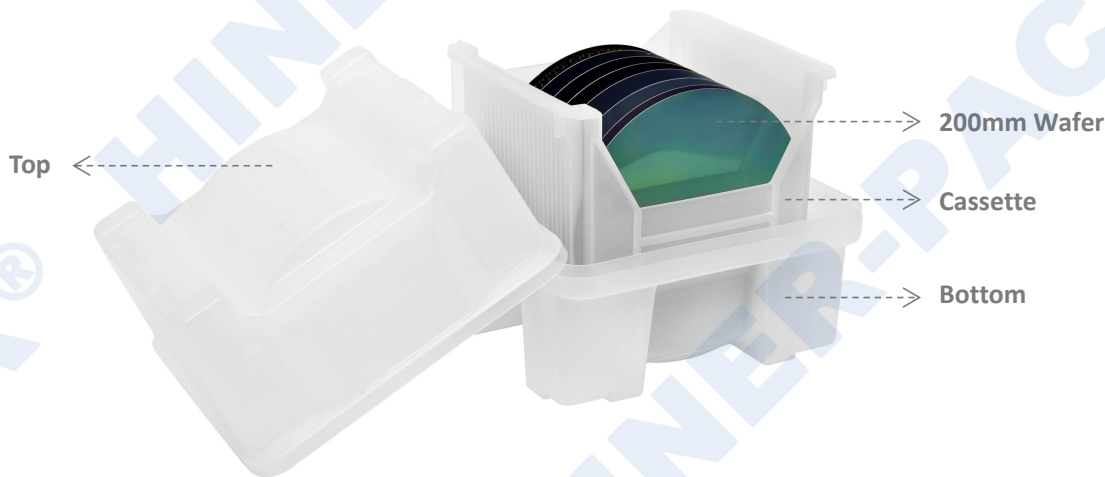
DIMENSION



BASIC INFORMATION

| Part Number  | Collocation Reference | Wafer Size |
|--------------|-----------------------|------------|
| MVWS-8/25-NP | Bottom+Cassette+Top   | 200 mm     |

REFERENCE ILLUSTRATION



The above illustration is for reference only. Please refer to the actual product for accuracy.

## TECHNICAL DATA

| PROPERTY                    | TEST METHOD              | RATED VALUES            |
|-----------------------------|--------------------------|-------------------------|
| Density                     | ISO 1183                 | 0.9 g/cm <sup>3</sup>   |
| Melt Index                  | ISO 1133                 | 15 g/10min              |
| Melting Point               | DSC                      | 146°C                   |
| Distortion Temperature      | ISO 75                   | 95°C                    |
| Vicat softening temperature | ISO 306                  | 125°C                   |
| Tensile Strength at Yield   | ISO 527                  | 280 kg/m <sup>2</sup>   |
| Tensile Elongation at Break | ISO 527                  | 300 %                   |
| Rockwell hardness R scale   | ISO 2039                 | 98                      |
| Tensile Strain at Break     | ISO 527-2 (50mm/min)     | 10 %                    |
| Flexural Modulus            | ISO 178                  | 10500 kg/m <sup>2</sup> |
| Flow Shrinkage              | FPC Method               | 1.3~1.7 %               |
| LZOD Impact Strength        | ISO 180<br>23°C<br>-20°C | 6 kg.cm/cm<br>--- notch |

The information on technical data included in this document is based on our experience to date, and we believe it to be reliable. Data is obtained from specimens molded under controlled conditions from representative samples of the compound described. Properties may be affected by the molding techniques and by the size and shape of the item molded. We cannot guarantee favorable results and no assurances can be implied that all molded articles have the sample properties as those listed.



Hiner-pack®

### Corporate Headquarters

Bldg A11, Zone D, West Industrial Zone,  
Minzhu Comm., Shajing St., Bao'an,  
Shenzhen, Guangdong, China

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### Customer Service

**Tel** +86 755 2322 9236  
**Fax** +86 755 2996 0455  
**Work Time** 08:00 - 18:00 (Beijing Time/UTC+8)

[www.waferboxes.com](http://www.waferboxes.com)