

Innovations in Flatness
Since 1938

PR HOFFMAN MACHINE PRODUCTS:

Insert Carriers

CUSTOMIZED FOR ANY MACHINE – EVERY APPLICATION



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PR Hoffman Machine Products designs and manufactures steel carriers with molded plastic inserts machined to exact custom specifications. These high quality semiconductor / LED grade carriers are uniquely designed to fit any lapping or polishing application and can be modified to accommodate each customer's specific processing environment.

Benefits

- Improved wafer TTV / TIR
- Reduce wafer edge damage
- Increase wafer rotation
- Insert molded for custom finish
- Available for Lapping & Polishing



High Quality Insert Materials

PR Hoffman's insert carriers are molded with proprietary grades and blends of long-lasting polymers.

Different polymers have been designed for:

- Lapping
- Polishing
- Longer Insert Lifetime
- Sodium Slurry Process



MATERIAL	CARRIER SIZE	THICKNESS
Spring Steel Treated for carrier use 1074/1075 Hard Rolled	Max Carrier Diameter 32.5" / 826mm	0.028" – 0.0319" 711µm – 810µm
Spring Steel Treated for carrier use 1095 Scaleless	Max Carrier Diameter 23.5" / 597mm	0.012" – 0.050" 305µm – 1270µm
Stainless Steel 431 Dual Phase	Max Carrier Diameter 38.5" / 978mm	0.0157" – 0.0325" 399µm – 826µm

Custom Design

Carriers are designed to meet all your requirements including:

- Raw Material to meet your desired application
- Molded and machined plastic inserts
- Special markings to assist in ease of operation and carrier tracking

Custom Insert Materials

PR Hoffman offers a variety of insert materials specifically designed to improve wafer quality and carrier performance. Our technical team can help determine the plastic insert option for your wafer application and processing environment.

Insert Sizes

Custom tooling is designed to insert carriers for standard wafer sizes from 77mm – 450mm in diameter. Other sizes may be available upon request.



Maintaining a leadership position as a global supplier to leading edge-technology industries requires a relentless commitment to quality. As an ISO 9001 compliant facility, our commitment is evidenced in our personnel, our facilities, our service and our philosophy.

From design to delivery, PR Hoffman employees are dedicated to continuous improvement. We purchase only state-of-the-art manufacturing equipment and materials to provide our customers with high quality lapping and polishing products. By developing long-term partnerships with a worldwide vendor base, we ensure that consistent, high-quality materials are always available.

Our international sales force and quality division are trained to react quickly to all our customers' needs. Our dedicated design staff will help fully customize our products for your specific application.

Most importantly, we focus, not on orders, but on lasting partnerships with quality-minded customers, and we guarantee satisfaction by treating each customer like our only customer.

ISO 9001

BUREAU VERITAS
Certification



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Your Success = Our Success