

HIGH PERFORMANCE CARRIERS

FOR 200 AND 300 MM PRIME SI-WAFER POLISHING



WE CREATE TAILORED CARRIER SOLUTIONS

FOR SUPERIOR WAFER AND WAFER EDGE GEOMETRY

Backed by many years of expertise in wafer processing technology, Lapmaster Wolters specializes in producing high performance carriers for 200 and 300 mm prime Si-Wafer polishing. Carriers manufactured by Lapmaster Wolters are perfectly adapted for the use on the PETER WOLTERS AC 1500 and AC 2000 DSP tools and feature exclusive designs and materials to ensure optimal usage with well-established process consumables such as pads and slurries.

FORWARD-THINKING DEVELOPMENT

We anticipate the future needs of our customers' customers, ensuring they are always ahead of the curve. By predicting market trends and demands, we empower our customers to meet their clients' expectations even before they arise. This proactive approach guarantees that our carrier solutions are always ready to support the next wave of innovation.



CUSTOMIZED CARRIERS

TO PERFECTLY MATCH EACH WAFER POLISHING PROCESS

At Lapmaster Wolters, we empower our customers to select the ideal combination of carrier body, carrier coating and insert material to perfectly match their specific needs. This flexibility ensures that our customers achieve optimal performance and efficiency in their wafer polishing process. The next three paragraphs highlight the detailed options available for each component, allowing to customize carriers to perfection:

CARRIER BODY

Consistent, high-quality wafer polishing results are achieved with a completely flat and tension-free carrier body, which is vital for optimal performance. Various layouts are designed to improve slurry distribution, while different interlocks enhance the effect of the inserts. By choosing our carriers, you invest in advanced technology that significantly improves wafer polishing efficiency and quality.

- ➔ Variety of steel body quality
- ➔ Choice between body layouts differing in surface structure for the composition of wafer guidance, slurry distribution and sturdiness which is optimal for specific processes
- ➔ Reduced range of tolerance if required
- ➔ Choice of interlock shapes to reflect the special features of the insert material used as well as wafer processing demands



CUSTOMIZED CARRIERS

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CARRIER BODY COATING

Selecting the right carrier body coating is crucial for achieving optimal results in your wafer polishing process. We offer a variety of options, ranging from uncoated carriers to different types of coatings, including Diamond-Like Carbon (DLC). Each DLC coating type exhibits unique behaviors towards slurry effects, which will fine-tune and optimize each specific polishing process.

The right coating choice significantly

- impacts wafer quality
- extends the carrier's life
- reduces the polishing time required.

Ultimately, choosing the appropriate coating will greatly influence the overall cost of ownership, making it an important decision for each operation.



INSERT MATERIAL

Carrier inserts are a key component for precise wafer polishing. The well-balanced synergy of form stability and high wear resistance guarantees optimal wafer guidance, facilitating smooth and controlled rotation, which is critical for achieving superior wafer and wafer edge geometry. Our inserts are engineered to maintain their structural integrity under high-stress conditions, providing consistent and reliable performance. Using our advanced carrier with optimized inserts enhances the precision and quality of all wafer polishing processes.

When designing carriers for wafer polishing, we consider a variety of insert materials:

- concerning form stability or wear resistance
- depending on the wafer treatment process
- considering the environmental impact of material composition

PROVEN QUALITY

Precision in measurement is crucial for achieving excellence in any field. We are committed to providing the most accurate measurement solutions. We firmly believe that these precise mea-

surements are key to our customers' success. Our dedication to precision ensures that our clients can rely on us to deliver consistent and reliable results.

“By choosing our services, you are investing in quality and accuracy that will drive your success. Trust in our expertise to support and enhance your achievements.”



A PARTNERSHIP IN INNOVATION

CONTINUOUS IMPROVEMENT FOR YOUR SUCCESS



Continuous improvement is not just a principle – it is embedded in our DNA. We firmly believe that growth and innovation are ongoing processes. This is why we design and implement joint development projects that are tailored to meet each customer's unique needs.

By working closely with our customers, we create targeted solutions that promote efficiency, performance and long-term success. We are committed to helping our customers achieve their goals. With

our expertise, innovative thinking and unwavering commitment to excellence, we ensure sustainable success for our customers.

- ➔ Evaluation projects in close cooperation with customers to define perfect carrier choice
- ➔ Complete measurement of carrier body and insert and comparison of values before and after use
- ➔ Detailed report on the results for further development and improvement

EXCLUSIVE DESIGNS AND MATERIALS

INNOVATIVE CARRIERS FOR WAFER POLISHING

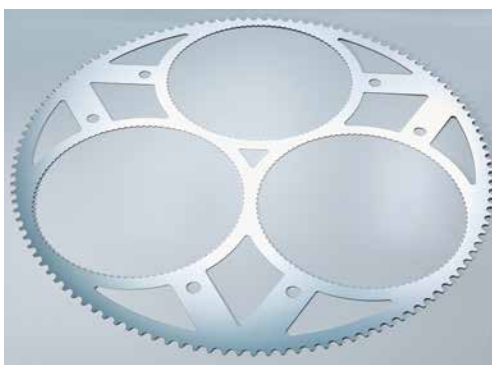
We understand the critical role that precision and quality play in wafer polishing. With years of experience, we are committed to exceeding the highest standards in the industry.

Our carriers are designed to meet the special demands of our high-profile customers, offer-

ing a variety of layouts, designs and materials to ensure optimal performance and reliability. Whether you need custom configurations or specific material properties, we have the expertise to deliver solutions that perfectly align with your requirements.



„To your advantage, our R&D team proactively anticipates future trends and developments. We embrace your customers' requirements and continuously innovate our carriers to ensure you can provide the highest possible quality to your clients.“



LAPMASTER WOLTERS – THINKING GLOBALLY, ACTING LOCALLY

Are you interested in one of our products, need a consultation or would like to have a quote? To contact one of our sales and services offices directly, please visit our locations overview online:

