



## **COOPER STANDARD AUTOMOTIVE SEALING SYSTEMS**

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OUR INNOVATION. YOUR ADVANTAGE.

# CREATING SUSTAINABLE SOLUTIONS TOGETHER

## About Cooper Standard

For more than 65 years, [Cooper Standard](#) has been a global leader in manufacturing, designing, and delivering world-class sealing and fluid handling systems across diverse markets. As a trusted supplier in the mobility industry, the Company is known for its award-winning, lightweight solutions that drive innovation and reliability. Every day, Cooper Standard lives its mission to: *Be the First Choice of the Stakeholders We Serve*. Cooper Standard is at the forefront of lightweight technologies, offering superior product performance that enhances vehicle efficiency. The Company's strength is built on advanced materials science, cutting-edge engineering, and world-class manufacturing, brought to life by the expertise, commitment, and collaboration of its people. With approximately 22,000 team members globally, our teams work together to turn knowledge into results and drive sustained success. When businesses choose Cooper Standard, they gain a reliable partner committed to delivering complete, customized full-system solutions tailored to their unique needs.

## Driving Sustainability to Commit to a Better Tomorrow

Our purpose statement, *Creating Sustainable Solutions Together*, reflects our commitment to making a positive impact and delivering added value to the industries and communities we serve. We strive to be responsible corporate citizens, supporting our people and the communities where we live and work. Our sustainability goals reinforce our dedication to strong environmental, social, and governance principles. By using eco-friendly materials, reducing waste, and optimizing energy-

efficient manufacturing processes, we create sealing solutions that extend product life. This approach conserves resources while supporting broader environmental objectives such as lowering carbon emissions and promoting a sustainable economy. As industries increasingly prioritize sustainability, adopting responsible sealing technologies is essential for meeting requirements and pushing towards a greener future.





# INNOVATION DRIVING THE FUTURE OF MOBILITY



## Digital Tools, Technology and Analysis Delivering Operational Excellence

### Advanced Analysis and Digital Tools

What sets us apart? A relentless commitment to [innovation](#) and manufacturing excellence. As industry leaders in digital tools and advanced analysis, we harness cutting-edge technologies to optimize processes, elevate product aesthetics, and accelerate development cycles. Through virtual validation, we deliver precise, predictive simulations powered by data-driven insights long before physical parts enter production. This approach eliminates the need for costly prototypes, dramatically shortens speed-to-market, and ensures uncompromising quality. We deliver customized solutions that adapt to evolving vehicle architectures, driving innovation for the next generation of vehicles.

### Leaders in Advanced Sealing Technologies

At the forefront of automotive sealing technology, we do more than meet industry standards, we set them. As a trusted leader in sealing solutions, Cooper Standard delivers highly engineered systems that enhance vehicle appearance and performance while improving passenger comfort and safety. Our portfolio spans dynamic, static, and frameless sealing systems, designed to elevate aesthetics and effectively seal out water, dust and noise. We partner closely with the world's leading automakers to develop solutions that perform under demanding conditions, adapt to evolving vehicle architectures, and support the future of mobility. With a strong focus on quality, innovation, and execution, Cooper Standard sealing systems are engineered to perform mile after mile.

# DESIGNING AND TESTING FROM START-TO-FINISH

## Material Formulation

Our materials scientists are redefining material performance through continuous innovation. By blending diverse compound types, we engineer formulations that surpass current market capabilities.

Formulink, our AI-powered compound assistant accelerates development. Leveraging an extensive database of compound recipes and physical

properties, it analyzes and recommends optimized formulations that maximize performance. One of our most advanced material breakthroughs is MicroDense, a proprietary material offering that combines strength and flexibility, ensuring superior NVH control, thermal resistance, and long-term reliability to deliver exceptional sealing performance at a reduced weight.

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## Design From Concept to Reality

Before production begins, we partner with customers to transform ideas into bold, innovative designs. By aligning early on vision and functional requirements, we ensure every concept fits seamlessly within the vehicle architecture and delivers world-class performance.

Our teams solve complex challenges and create sealing solutions that elevate both form and function. By leveraging CAE simulations, machine learning and advanced predictive technologies, we validate designs virtually, long before physical prototypes are required.

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## Precision Through Design Validation

Cooper Standard performs advanced CAE analysis and simulations to ensure precision and reliability across every design. Testing capabilities span color matching, environmental cycling and weathering, performance at extreme temperatures, material composition analysis and among others, delivering solutions that meet the highest standards.

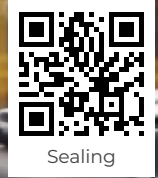
Traditional physical testing is more commonly being replaced by predictive design and validation methods. This approach identifies potential improvements before a physical product is ever created. By leveraging proprietary digital tools, we can reduce development timelines to one-fourth of traditional requirements, dramatically accelerating time-to-market.

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## Reliability Through Process Validation

During tooling and process development, we use advanced die flow and mold flow analysis to accurately predict material behavior before tools are produced. Our shop leaders prioritize global standardization of processes and critical equipment, creating consistency across all facilities worldwide.

Every project undergoes a rigorous gate review process to help ensure that product technologies meet stringent performance standards and are fully production-ready. This commitment to process validation ensures durability, efficiency, and excellence in every solution we deliver.



# LEADING AUTOMOTIVE SEALING SYSTEMS SOLUTIONS

## Becoming the Benchmark

At Cooper Stanard, we challenge ourselves to be the benchmark, pushing materials science to new heights and striving to deliver first-to-market, industry-leading solutions. We pride ourselves on being more than a manufacturer of products, we are a total system solutions provider helping our customer differentiate in the market.

We aim to set the standard of what we do. Our experts continuously adapt and innovate to meet the evolving demands of mobility, with a strong focus on interior and exterior [sealing solutions](#), driven by the increasing aesthetic needs of today's vehicles. Through advanced products, optimized processes, and strategic partnerships, we consistently deliver solutions that exceed customer expectations. When we talk about "value," it means collaborating proactively with customers to bring their vision to life.

We stay committed to:

- Advancing sustainability through smarter materials that deliver weight reduction, lower carbon footprints, and enhanced performance.
- Diversifying high-quality solutions to fit advanced vehicle architectures with customization and appealing design.
- Streamlining manufacturing process using artificial intelligence, digitization and automation processes to help boost efficiency and speed.
- Driving lightweight innovation by reducing material weight and introducing new formulations.
- Simplifying assembly for faster, easier component integration.

# A RELIABLE PARTNER FROM START-TO-FINISH

## One Stop, Full-Service Supplier

As a true full-service partner, we support customers at every stage of development from concept to completion, delivering end-to-end solutions that streamline workflows, enhance efficiency, and drive measurable results. From initial design and prototyping to production, logistics, and post-delivery support, our integrated services are tailored to meet unique project requirements. Whether launching a new product, scaling operations, or optimizing supply chains, we provide the expertise, advanced tools, and flexibility to make it happen.

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## Lightweighting of Materials

We've taken bold steps to develop advanced material formulations that deliver significant weight reduction without compromising durability. Reducing weight is critical for improving manufacturing sustainability, minimizing material usage, waste, and emissions throughout the production process. Products

designed with fewer resources result in a lower overall carbon footprint. Lighter components lead to lighter vehicles, reduced freight loads, and extended electric vehicle range. This also contributes to improved fuel economy and supports our Company's global sustainability goals.

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## Style and Appearance Differentiation

A vehicle should look as good as it performs and that is why we prioritize aesthetics alongside functionality. Through diverse material options and customized moldings, we create seamless transitions from body to frame, delivering a refined, premium finish for any vehicle design.

We offer customers flexible choices to integrate iconic design elements across styles, shapes,

surfaces, and colors for sealing and decorative trim applications. From sleek profiles to bold accents, our solutions enhance visual appeal while maintaining performance integrity. Throughout the design process, we include future mobility concepts in brainstorming sessions, ensuring every design is forward-thinking and ready for next-generation vehicles.

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## Proven Track Record

Cooper Standard has built a reputation for excellence in automotive sealing systems. Our portfolio includes a long list of successful sealing projects, demonstrating our ability to deliver innovative, high-performance solutions across a wide-range of vehicle

platforms. Trusted by multiple global automakers, we've earned our place as a preferred partner through consistent quality, engineering precision, and customer-focused collaboration.



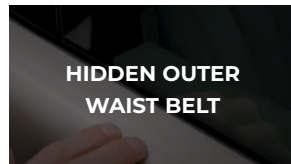
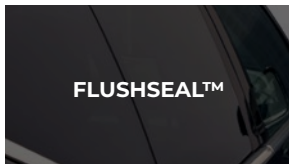
## PORTFOLIO OF STAND OUT SEALING SOLUTIONS

### Static Sealing

Static sealing components play a prominent role in vehicle aesthetics, serving as key differentiators in exterior design. Available in a variety of materials, colors, and gloss levels, these solutions offer extensive customization options that enhance styling and elevate perceived vehicle value. Their complexity demands advanced expertise and technical know-how. While we continuously innovate to improve visual appeal, we remain committed to sustainability, focusing on reducing part weight, minimizing raw material usage, and enhancing recyclability.

### Dynamic Sealing

Dynamic sealing components are essential for ensuring durability and functional performance. Their primary role is to protect passengers from environmental elements such as water, dust, wind and noise. The challenge lies in balancing effective sealing with ease of assembly, and the use of lightweight materials. Because these parts are highly material-dependent, we offer many customizable material options to optimize part architecture and reduce average density, supporting both performance and sustainability goals.

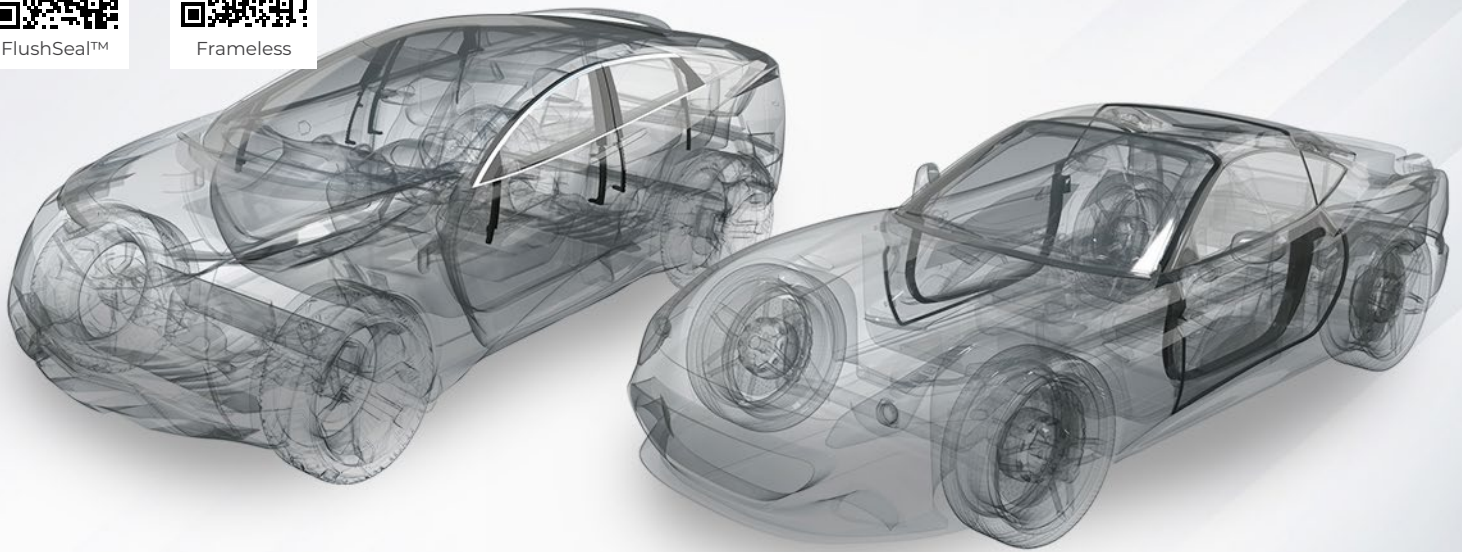




FlushSeal™



Frameless



## SHAPING SEALS TO SPECIFIC SYSTEM ARCHITECTURES

No two vehicles are alike, and neither are their sealing needs. That is why we offer a high degree of flexibility in developing customized solutions for diverse vehicle platforms, including those driving electrification and advanced mobility trends. Whether it's adapting to new body styles, optimizing for lightweight materials, or integrating cutting-edge technologies, Cooper Standard delivers tailored solutions that meet the demands of today and anticipate the needs of tomorrow.

### **Standard Framed Door Architecture**

Each sealing system is precisely engineered to match the exact dimensions and architecture of a vehicle's door. We offer three primary standard systems designed for common vehicle configurations: mounted seals, hidden frame, and applied headers each providing unique advantages. We support with tailored solutions that meet specific requirements and deliver optimal sealing performance.

### **Frameless Door Architecture**

Premium glass sealing solutions eliminate the upper door frame, creating a seamless transition between the B-pillar and door glass for a sleek, modern look. As hybrid and electric vehicles gain popularity, demand for this technology is growing, offering a distinctive, luxury appearance that resonates with today's market. This premium design is now being adopted across a wider range of vehicles at higher volumes.

### **FlushSeal™ Sealing System**

Designed to enhance appearance and performance, this solution reduces aerodynamic drag while incorporating recyclable materials, meeting both design trends and regulatory demands. It achieves a near-frameless door seal appearance, while maintaining a conventional body and door configuration. This solution addresses the growing demand for flush glass styling becoming more commonly seen on vehicles.



Decorative Trim



# DIVERSIFYING THE VEHICLE STYLING PORTFOLIO

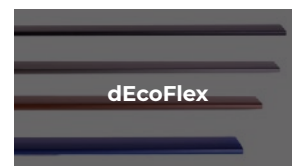
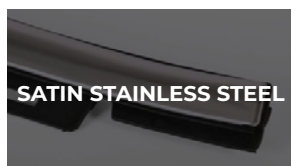
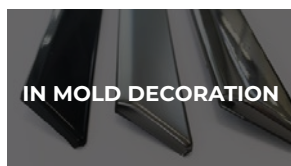
## Elevation of Vehicle Design with Sophisticated Styling

We understand the importance of focusing on automotive design to meet the needs of future vehicles. We do everything in our power to bring a creation to life that aligns with our customers' vision. It starts with a scratch of paper, where we sit down and determine how the [styling](#) ties into the overall vehicle design.

One of the biggest, recent trends in mobility related to styling remains on vehicle diversification, and we do that through unique aesthetics. We provide a variety of color enhanced trims that accentuate the body of a vehicle exterior and interior components.

Solutions can also be color matched to blend perfectly with your design concept, ensuring a cohesive look. Customizable profiles and finishes (e.g., gloss, matte, chrome-look) allow OEMs to align with their desired identity. No matter the requirements, we have the technology and experience to make it happen.

Solutions like our FlushSeal sealing system integrate into the vehicle architecture contributing to a clean, flush exterior appearance that also support modern design trends.





FlexiCore™



## FLEXICORE™ TP BODY SEAL



Our [FlexiCore™](#) thermoplastic body seal provides a groundbreaking way to seal a doorframe to the vehicle body by replacing traditional metal carriers with a more eco-friendly, fully recyclable lightweight plastic alternative without compromising performance. It is lighter, more flexible, and more sustainable.

Traditionally, these seals are made from EPDM rubber with metal carriers, but FlexiCore uses TPV (Thermoplastic Vulcanizate) and PP (Polypropylene). FlexiCore helps automakers improve fuel efficiency, sustainability goals and reduce assembly complexity.

### Key Benefits:

- Significant weight reduction compared to traditional seals.
- Fully recyclable, supporting circular economy goals.
- Improved flexibility, making it easier to install and better at maintaining shape.
- Enhanced aesthetics: The outer layer can be color-matched to vehicle interiors.
- Lower energy use in manufacturing due to thermoplastic processing.
- High retention performance, meaning it stays in place better.

# WORLD-CLASS OPERATIONS YOU CAN TRUST

## Prioritizing *Safety First* Always

We are committed to ensuring both safe production and safe products. As a global manufacturing leader, our core strength lies in delivering innovative solutions with the highest standards of safety and efficiency for customers worldwide. Our goal is **zero Incidents**, and many of our facilities consistently achieve this milestone on a regular basis demonstrating our unwavering dedication to workplace safety and operational excellence.

## Solving Challenges With Advanced Engineering

We are committed to addressing customer challenges and meeting functional requirements with precision. Our engineers stay ahead of emerging technology trends to deliver cutting-edge solutions, with a strong focus on advanced analytics. We remain focused on building towards the future of electrification all while further enhancing our engineering processes to become faster and more efficient with higher accuracy.

## World-class Quality in All We Do

Across our organization, we regularly evaluate key global KPIs to ensure we consistently deliver products and services that meet and exceed customer expectations. We strictly adhere to internationally recognized regulations and standards, including: APQP, FMEA, PPAP, ISO 9001 with Design, ISO 14001, ISO 9100, ISO 50001, and IATF 16949 (ISO and IATF certifications vary by location).

## Manufacturing Excellence Without Compromise

Cooper Standard delivers world-class products and services by leveraging standardized processes across our global operations. Through optimized digital tools and process automation, we ensure consistent application of best practices while adapting systems to meet specific project requirements. Each year, numerous facilities earn recognition as Diamond Plants, our internal recognition for sites that meet or exceed Cooper Standard's global manufacturing standards.

## GET STARTED TODAY

We are committed to delivering high-quality solutions while shaping the future of mobility. We partner with customers to take projects to the next level, combining expertise, technology, and collaboration. Scan the QR code to learn more about how we can work together.



Scan to  
learn more

**Global Headquarters**  
40300 Traditions Drive  
Northville, MI 48168



[cooperstandard.com](https://www.cooperstandard.com)