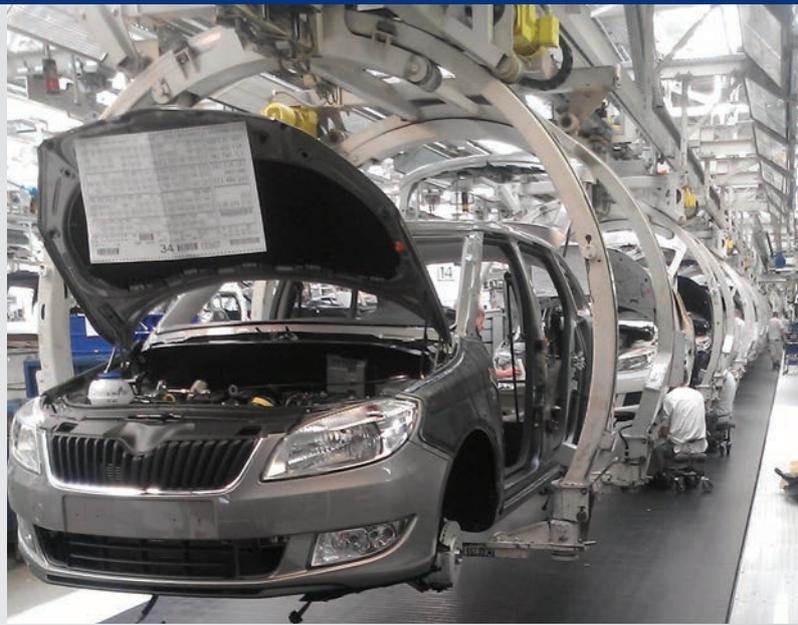
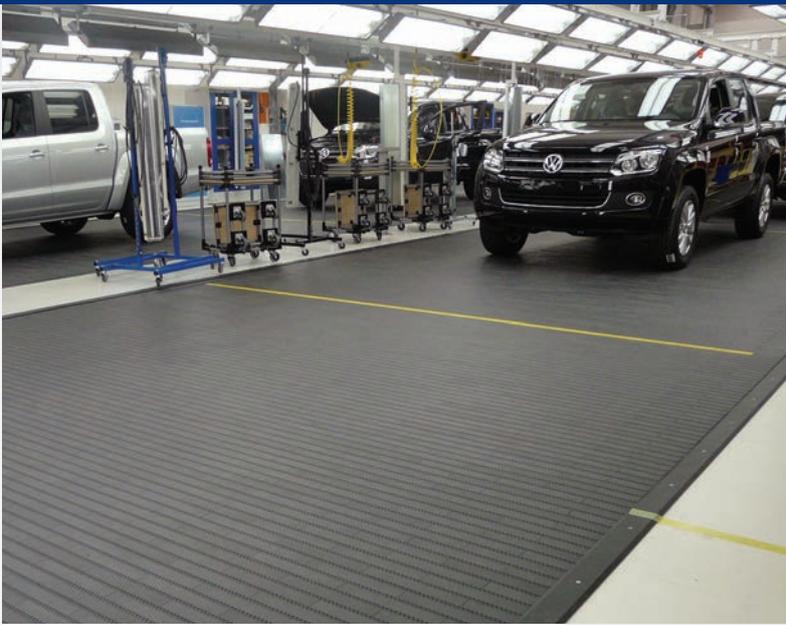
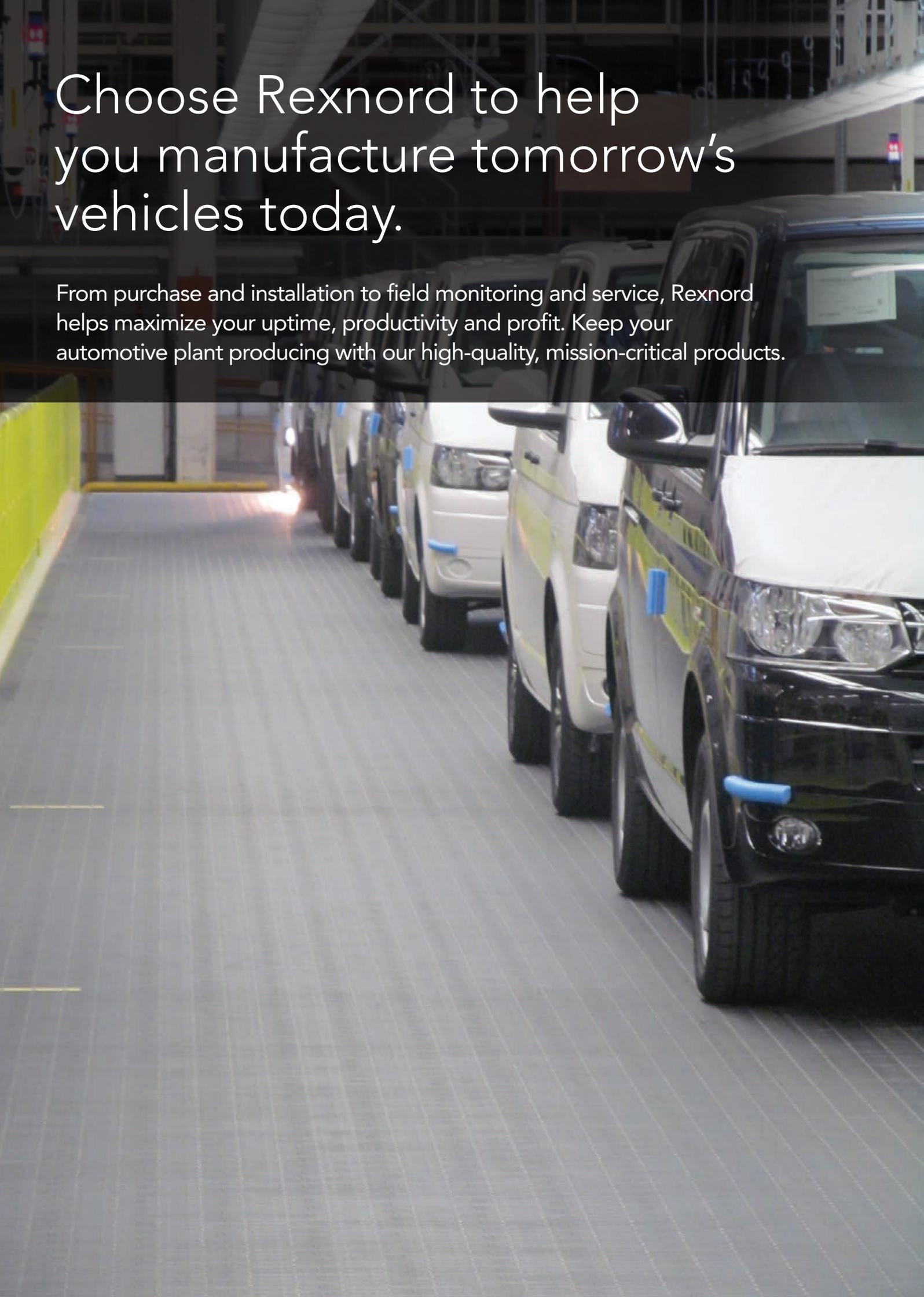


# Rexnord Products & Solutions for the Automotive Industry



# Choose Rexnord to help you manufacture tomorrow's vehicles today.

From purchase and installation to field monitoring and service, Rexnord helps maximize your uptime, productivity and profit. Keep your automotive plant producing with our high-quality, mission-critical products.





### **Automotive expertise.**

Work with a true partner who understands your applications, identifies the right equipment and adds value at every step. Rexnord has kept materials moving through automotive operations for more than a century. From sheet metal processing to conveying to testing — automotive operators, equipment manufacturers and engineers turn to Rexnord for their power transmission solutions.

### **Rexnord is with you every step of the way.**

From purchase and installation to testing, monitoring, repair and overhauls, Rexnord provides outstanding lead times and customer service. Count on our superior product quality and industry-leading technical support to prevent costly maintenance, repairs and shutdowns, maximizing your return over the product's total lifecycle. With worldwide sales and service operations, and a vast network of distributor relationships, we deliver exactly what you need, when you need it.

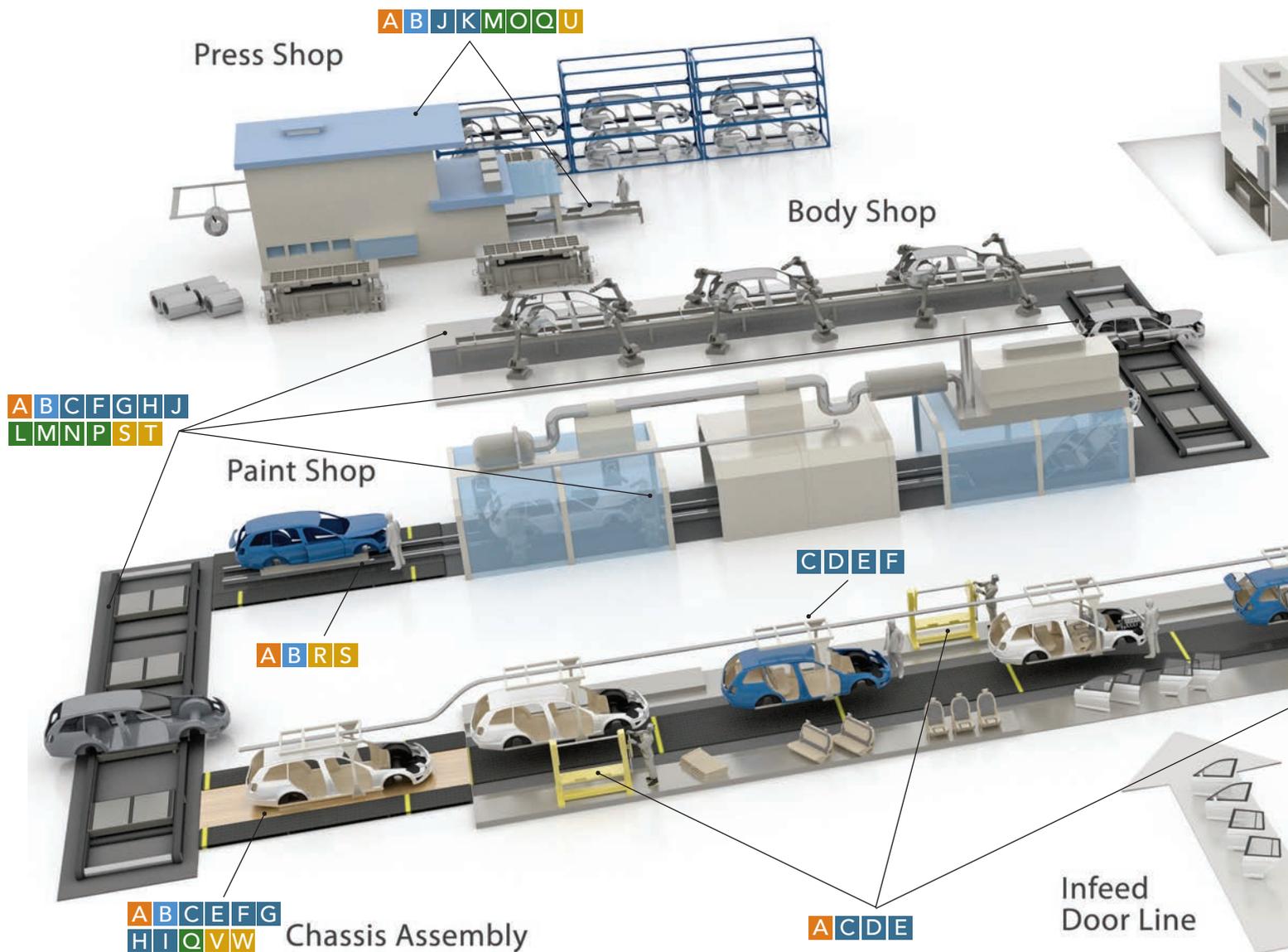
### **Rexnord products, Rexnord reliability.**

Rexnord is a leading manufacturer of critical system components that perform under the most rigorous demands in your automotive applications, including conveying chains and components, bearings, couplings, gear drives and torque limiters. With safety in mind, our products are engineered to meet cost and performance criteria to ensure the most efficient solution for specific applications.

### **Right where you need us.**

Find Rexnord automotive solutions around the world.

- Europe
- United States
- Canada
- Mexico
- Brazil
- China
- India
- Korea



### Bearings



**A** Rexnord® Mounted Ball and Spherical Roller Bearings

### Gear Drives

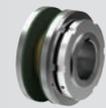


**B** Falk® and Rexnord® Gear Drives

### Torque Limiters & Backstops



**C** Autogard® Torque Limiters



**D** BSD® Friction Disc Torque Limiters



**E** BSD Freewheels & Backstops

### Couplings



**F** Rexnord Omega® & Viva® Elastomeric Couplings



**G** Falk Wrapflex® Elastomeric Couplings



**H** Rexnord Thomas® Disc Couplings



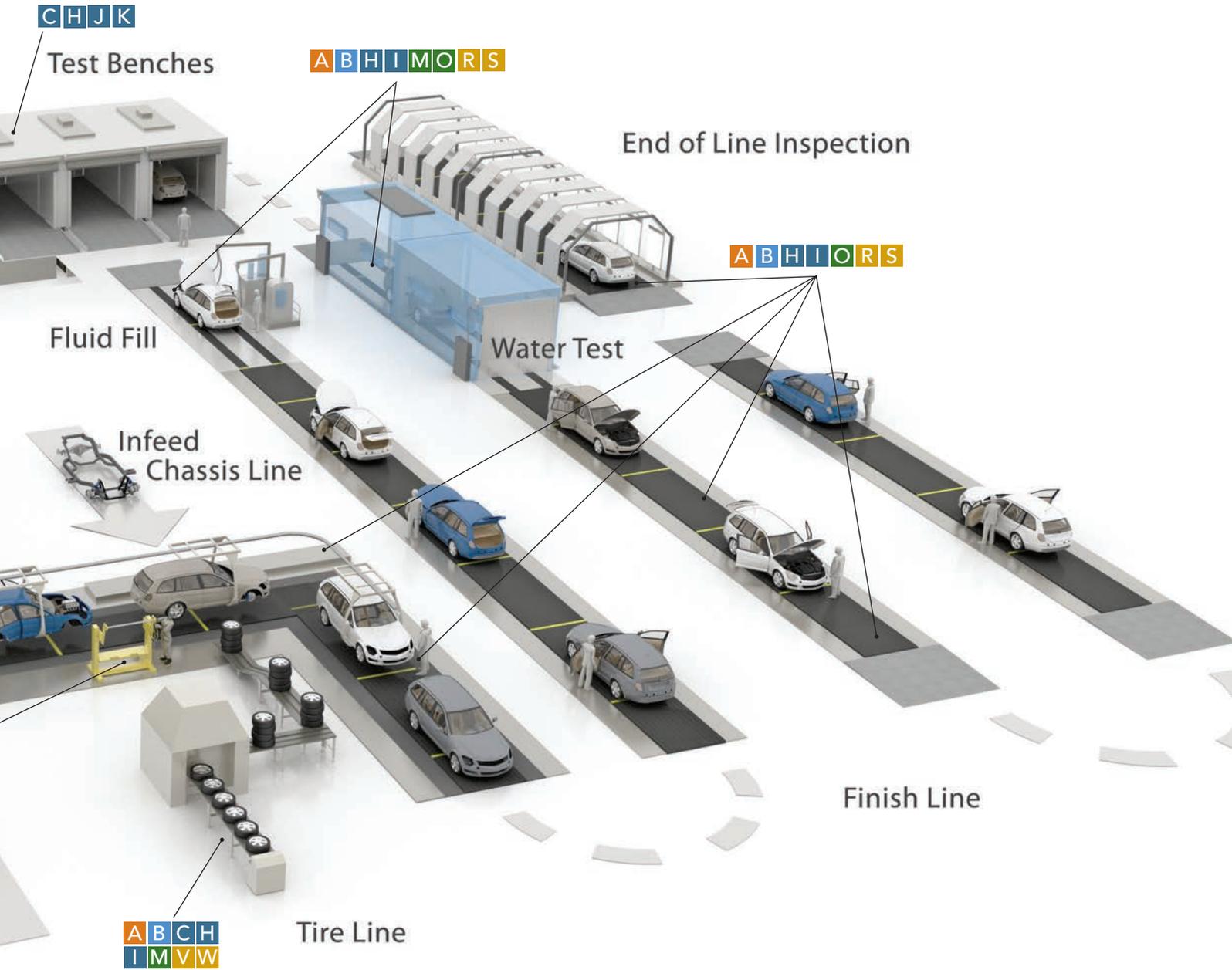
**I** Falk Lifelign® Gear Couplings



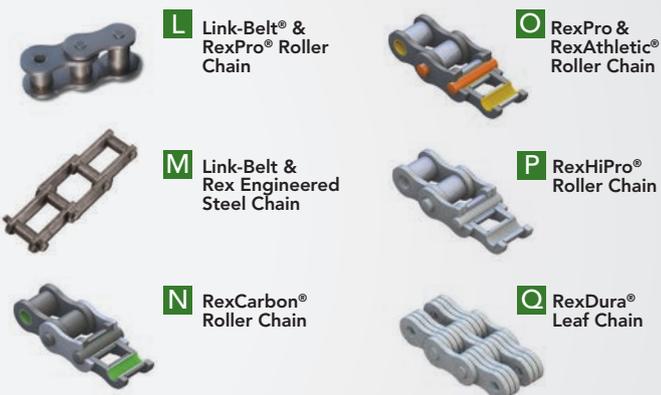
**J** BSD Modulflex® Disc Couplings



**K** BSD Koniclump® Clamping Hub

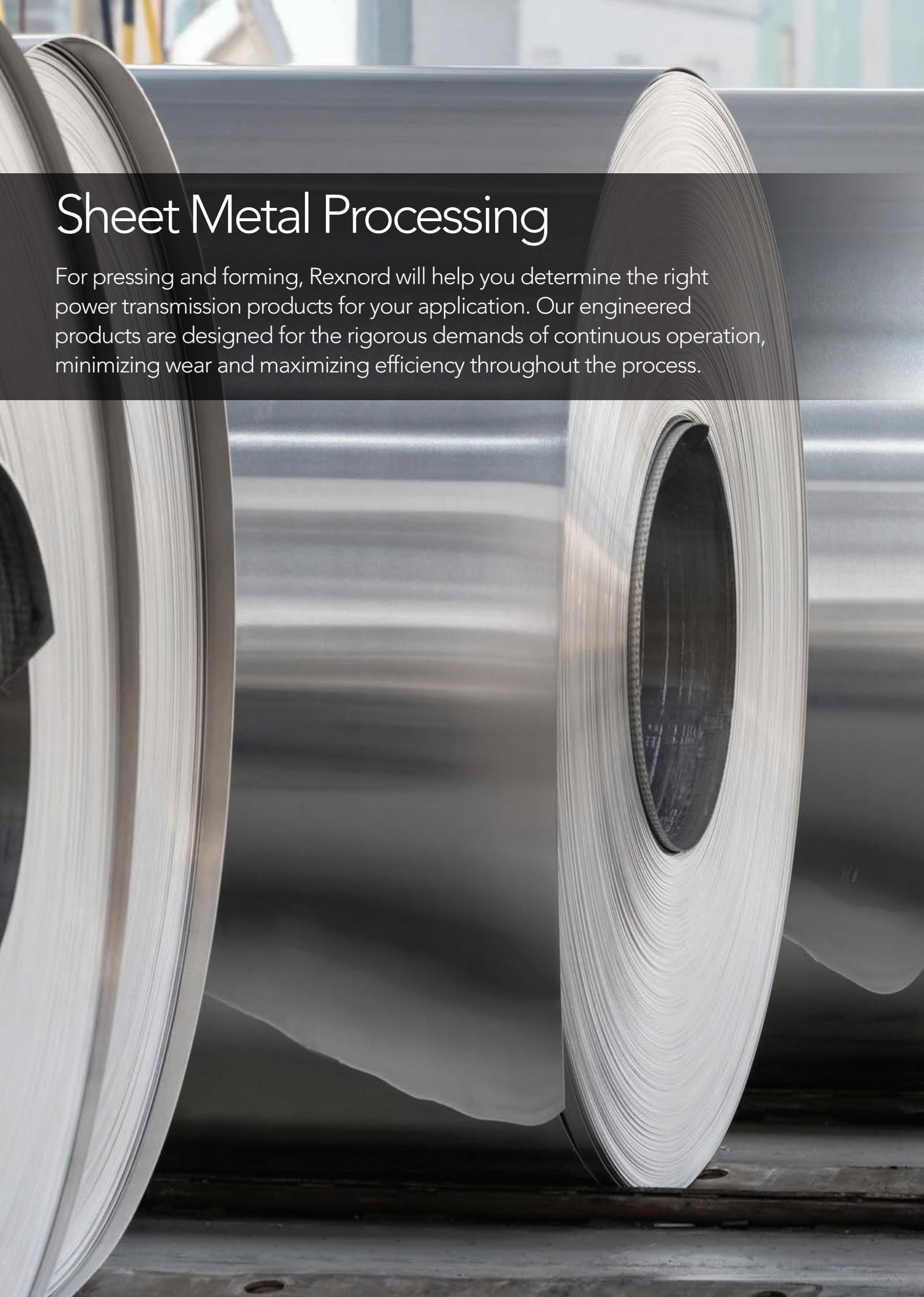


### Industrial Chain



### Conveyor Chain



A large roll of sheet metal is being processed in a factory. The roll is positioned horizontally, and the metal sheets are being fed through a series of rollers. The background is slightly blurred, showing industrial equipment and a bright, well-lit environment. The text is overlaid on a dark, semi-transparent rectangular area in the upper left portion of the image.

# Sheet Metal Processing

For pressing and forming, Rexnord will help you determine the right power transmission products for your application. Our engineered products are designed for the rigorous demands of continuous operation, minimizing wear and maximizing efficiency throughout the process.

## Rexnord drives automotive stamping.

In mechanical presses, energy is stored in the rotating mass of the press flywheel. This allows the electric motor to not be overloaded while generating and storing the required force to stamp the material. However, serious overloading often occurs when press forming is conducted using high forces over small distances, such as during blanking or coining. Another form of overloading results from taking excessive energy from the flywheel, which can cause extremely high press forces to develop if the displacement during deformation is too small. This type of application requires engineered flexible couplings and often overload devices such as friction or ball detent torque limiters.

Here is a list of Rexnord products at work in sheet metal processing today:

### **Gear Drives**

Falk V-Class Gear Drives  
Rexnord Planetgear Gear Drives

### **Torque Limiting Devices**

BSD Friction Disc Torque Limiter  
BSD Backstops

### **Bearings**

Rexnord SAF-Style Bearings  
Rexnord SHURLOK Adapter Mount Spherical Roller Bearings

### **Couplings**

Falk True Torque Fluid Couplings  
Rexnord Omega and Viva Elastomeric Couplings  
BSD Modulflex Disc Couplings  
Rexnord Thomas Disc Couplings  
Falk Lifalign Gear Couplings

### **Conveying Chain**

RubberTop SG1000 Series MatTop Chain

### **Industrial Chains**

Link-Belt and Rex Roller Chain  
Link-Belt and Rex Engineered Steel Chain

### **Koniclump Clamping Hub — Quality design from the start**

The BSD Koniclump Clamping Hub System (The Koniclump) represents advanced technology and future oriented conception: The Koniclump hub provides interference fit mounting performance without the difficult heat treating or hydraulic process normally required. The Koniclump is designed to work with the BSD Modulflex coupling to transfer high amounts of torque with small dimensions, low weight and high-speed potential.



# Conveying Technology — Customized for Your Application

From skid conveyors to large people mover and inspection conveyors, Rexnord conveying chain technology offers limitless variations to efficiently transport your workers or vehicles.



## From the beginning to the end ... Rexnord will be there.

Since automotive vehicle manufacturing has moved to flow production processes, Rexnord has been involved in moving vehicles and people through the plant. Rexnord specializes in developing virtually maintenance-free, space-saving solutions that meet local governmental demands. Rexnord's automotive solutions build on more than 100 years of conveying technology experience across multiple industries. Our application experts will help you determine the ideal configuration and component selection for your conveyor application.

## We keep you moving.

Rexnord conveyor chains are used every day to transport thousands of vehicles and people in assembly plants around the world, and Rexnord power transmission solutions are helping to move them. Optimize your drive train setup with high-quality Rexnord Couplings, Bearings and Gears.

## The right solution to meet your application needs.

Chain conveyors offer limitless variations to efficiently transport your vehicles or staff. From the outfeed of the mechanical press to the final inspection conveyors, Rexnord has the product solution for your application. Offering secure handling, a comfortable work environment or robust, long-lasting solutions, Rexnord quality products meet the automotive industry requirements.

Here is a list of Rexnord products at work in automotive assembly plants today:

### Conveying Chain

- 6990 Series MatTop Chain
- 6990 Hybrid MatTop Chain
- 3120 Series MatTop Chain
- RubberTop 3120 Series MatTop Chain
- 3185 Series MatTop Chain

### Roller Chain

- RexCarbon Roller Chain
- RexPro and RexAthletic Roller Chain
- RexPro and RexHiPro Roller Chain

### Couplings

- Falk Lifelign Gear Couplings
- Rexnord Omega and Viva Elastomeric Couplings
- Rexnord Thomas Disc Couplings

### Torque Limiting Devices

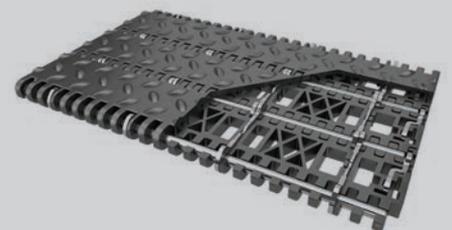
- Autogard Torque Limiters

### Bearings

- Rexnord SAF-Style Bearings
- Rexnord SHURLOK Adapter Mount Spherical Roller Bearings

### Rexnord MatTop Chain designed for automotive applications

Conventional automotive conveyor systems equipped with steel slat chains or rubber reinforced belts are normally not replaceable with conventional plastic modular chains. Due to limitations in strength and stiffness, standard plastic modular chains cannot provide the desired performance in long or heavily loaded conveyors. Rexnord recognizes the importance of smooth chain operation in any type of application and has developed the 6990 Series Hybrid MatTop Chain that raises the performance level of plastic modular chains.



# Engine Performance Testing

Engine and complete auto testing is critical to ensure the product meets both governmental regulations and driver expectations. Rexnord provides engineered solutions to meet the wide range of speed and torque required in test equipment.



## Automotive test benches create unique challenges.

Test bench applications have unique requirements over standard power transmission lines because the test bench needs to run at high speeds as well as low speeds with high torque to fully test to the engine, dynamo or ABS brake system. Most flexible couplings cannot meet both requirements and are only able to provide the required torque through a larger size, or higher speed through a smaller size matching the torque produced at the operating speed.

## The Rexnord solution.

The BSD Modulflex Disc Coupling uses interference-fit bolt joints and carbon fiber shafts for automotive engine test benches. The lightweight carbon fiber and the interference-fit bolt joints offer higher speed and torque ratios than any other disc coupling. The availability of flange mounting systems ensures the right fit for your engine test bench. Our experience includes standard engines as well as test benches for major motor manufacturers in support of Formula 1® racing.

Here is a list of Rexnord products at work in automotive engine test benches today:

### **Couplings**

BSD Modulflex Disc Couplings  
Falk Lifelign Gear Couplings  
Rexnord Thomas Disc Couplings  
Rexnord Omega and Viva Elastomeric Couplings

### **Bearings**

Rexnord SAF-Style Bearings  
Rexnord SHURLOK Adapter Mount Spherical  
Roller Bearings

### **Torque Limiting Devices**

Autogard Torque Limiters

### **Couplings — The critical link.**

A critical link between motor and machine in a power transmission solution is the coupling, and Rexnord understands that perfectly. We have a history of innovation that dates back to 1919, and is built on an installed base across countless industries with worldwide reach. The broad array of Rexnord Coupling designs enables a deep knowledge of end user needs that makes us keenly in tune with application details.



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Contact Rexnord today to learn about our automotive solutions that can help you increase uptime, productivity and profit.

866-REXNORD/866-739-6673 (Within the US) +31 174 445 111 (Outside the US)

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

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## Why Choose Rexnord?

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

### Delivering Lowest Total Cost of Ownership

The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

### Valuable Expertise

An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

### Solutions to Enhance Ease of Doing Business

Commitment to operational excellence ensures the right products at the right place at the right time.

## Rexnord Corporation

Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

## Process and Motion Control

The Rexnord Process and Motion Control platform designs, manufactures, markets and services specified, highly engineered mechanical components used within complex systems where our customers' reliability requirements and the cost of failure or downtime are extremely high.

## Water Management

The Rexnord Water Management platform designs, procures, manufactures and markets products that provide and enhance water quality, safety, flow control and conservation.

