

# Power Transmission Products & Solutions for Food and Beverage





# When the Industry Moves, Rexnord is the Preferred Choice

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. From durable products like plastic bottles, to a more delicate product like a bag of chips, Rexnord works to ensure the sustainability of your product through production and distribution. Our commitment to customer satisfaction and superior value extends to every area of our business.

## Lowest Total Cost of Ownership

The highest quality products are designed to help you avoid unscheduled downtime, improve energy and water consumption, maximize productivity, reduce waste, improve safety and deliver dependable operation.

## Valuable Expertise

An extensive product offering is accompanied by skilled and knowledgeable global sales specialists, customer service teams, application and design engineers, and industry experts, available anytime to help identify the optimal solution for your specific application.

## Solutions to Enhance Ease of Doing Business

Rexnord offers the industry's most complete portfolio of conveying chain, conveyor components, gear, bearing, coupling and industrial chain for the food and beverage industry. Our commitment to operational excellence means you benefit from getting the right products to the right place at the right time.







## The Beverage Industry

Faster. More efficient. More units per minute. Less energy and water consumption. Beverage producers worldwide have come to depend on the speed, reliability and flexibility of Rexnord's power transmission solutions. From global soft drink mega-brands to regional breweries, beverage companies of all types and sizes trust us to design and supply solutions with the highest levels of quality and durability to meet your needs at all stages of beverage production.

For the past 20 years, Rexnord has been helping companies implement run dry and dry lubrication solutions at their facilities to help reduce energy and water usage. Facilities that have applied these strategies have seen a drastic reduction in water consumption and lubrication, resulting in significant cost savings while maintaining optimal productivity levels.



## The Food Industry

When your operation is running, the last thing you want to worry about is cleanliness. Whether moving raw food ingredients, containerized food or boxed packaging, Rexnord's solutions will handle your product safely and efficiently. Our broad portfolio includes products that are compliant with FDA and USDA food contact legislation, provide anti-microbial protection and engineered to resist the intrusion of moisture, dust and contaminants.

Cleaner equipment results in reduced maintenance and lower costs for you. Rexnord's products are available in washdown-capable materials that improve inspection efficiency, corrosion resistance and overall hygiene. Installing Rexnord's products assure your customers are being delivered a product that was processed and packaged in clean, hygienic conditions.



# Beverage Process Overview

From Manufacturer

Depalletizer

Combiner

Inspection

Labeler

Rexnord's power transmission products provide maximum protection to beverage containers and cases traveling at all speeds and capacities. We offer a wide range of solutions that support all stages of beverage and container production, including:

## Container Manufacturing

### Can Manufacturing

- Cupping
- Vacuum Conveying
- Drawing and Ironing
- Washing
- Accumulating
- Decorating
- Baking
- Can Forming

### Glass Manufacturing

- Glass Melting
- Container Forming
- Container Conditioning
- Surface Treating
- Automatic Inspecting
- Packaging

## Primary Packaging

- Combining and Inlining
- Decombining
- Side-gripping Elevating
- Empty Bottle Inspecting
- Filling and Capping

- Pasteurizing
- Warming and Cooling
- Accumulating
- Labeling

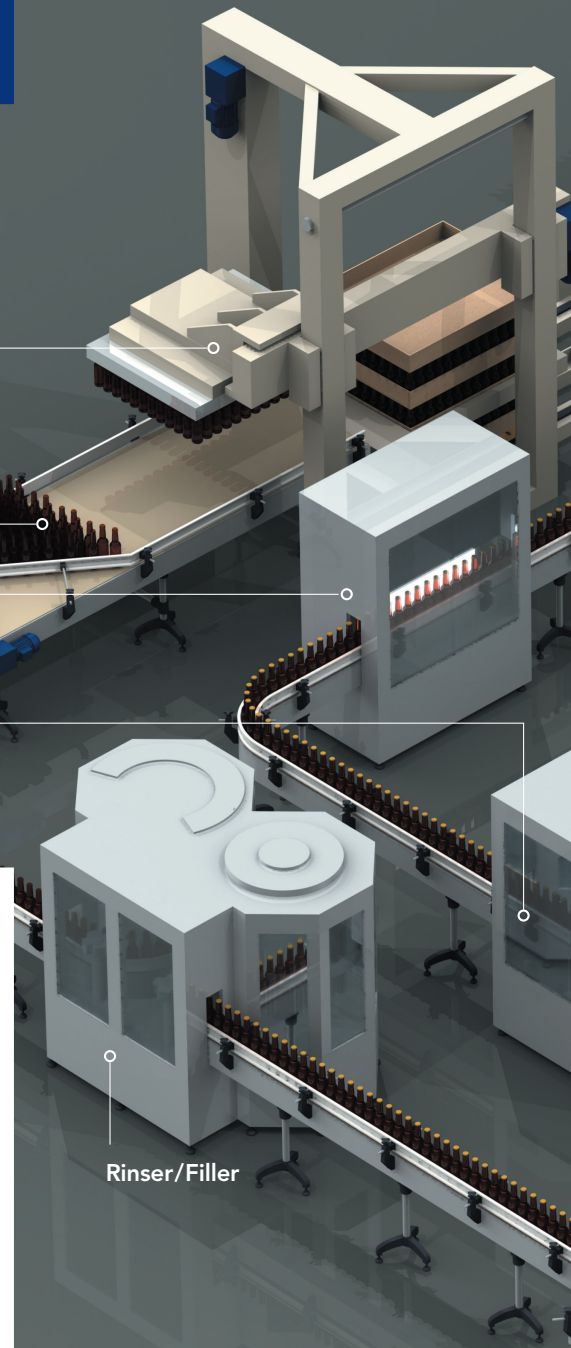
## Secondary Packaging

- Case Packer Infeed
- Carton/Case Packing
- Accumulating
- Start-Stop Conveying

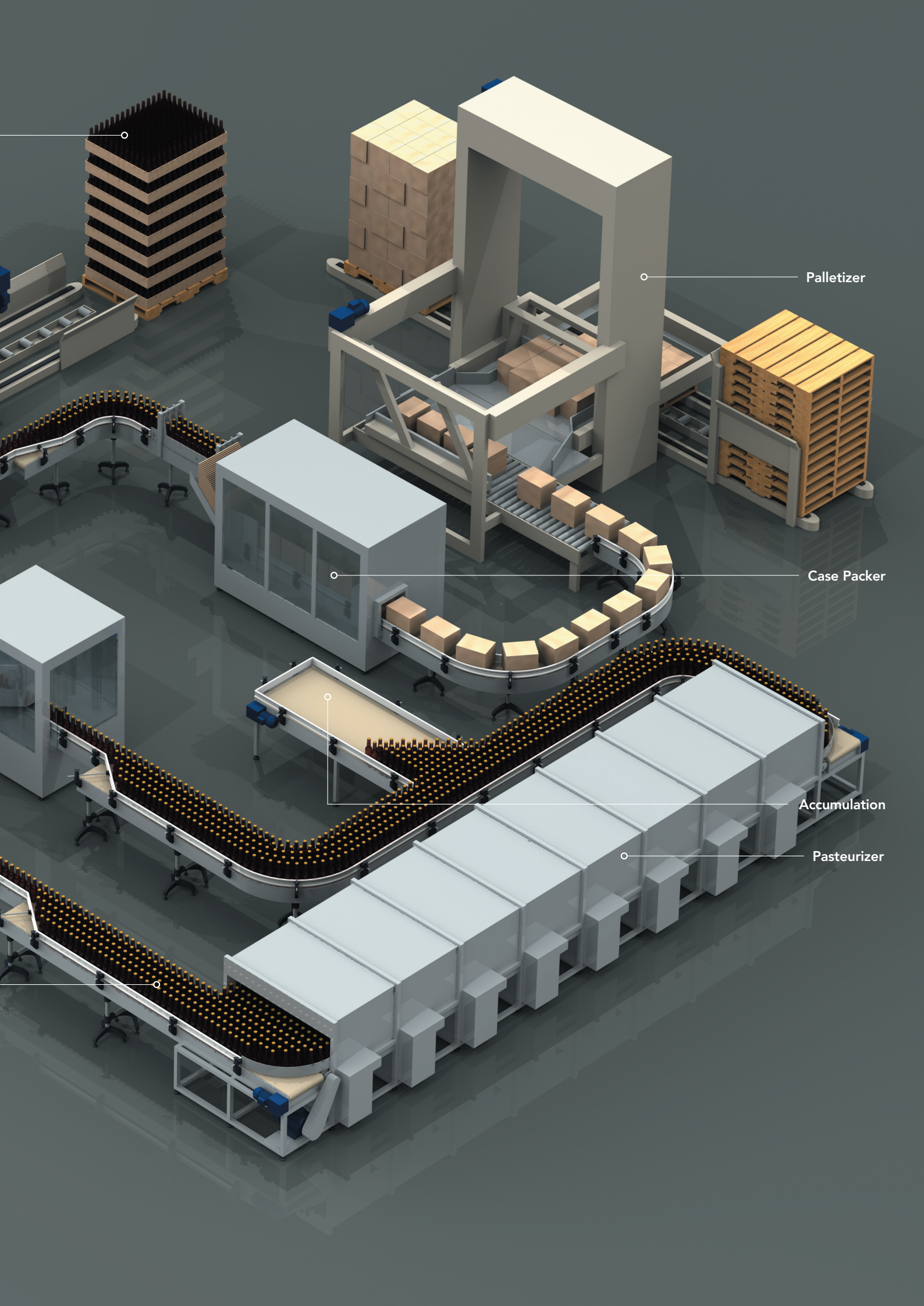
- Incline and Decline Conveying
- Corner Conveying
- Palletizing
- Warehousing

Rinser/Filler

Decombiner







Palletizer

Case Packer

Accumulation

Pasteurizer



# Food Process Overview

Raw Materials

Primary Processing

Accumulation

Secondary Processing

Food safety is a priority for Rexnord. We manufacture a wide range of components with the highest quality stainless steel and thermoplastic materials, maximizing corrosion resistance and microbial protection. Our trusted products are found in applications throughout many different segments of the food industry, including:

## Bakery

- Proofing
- Ovens/Microwaves
- Roasting/Toasting
- Drying
- Elevating
- Product Conveying
- Pan Conveying
- Package Conveying

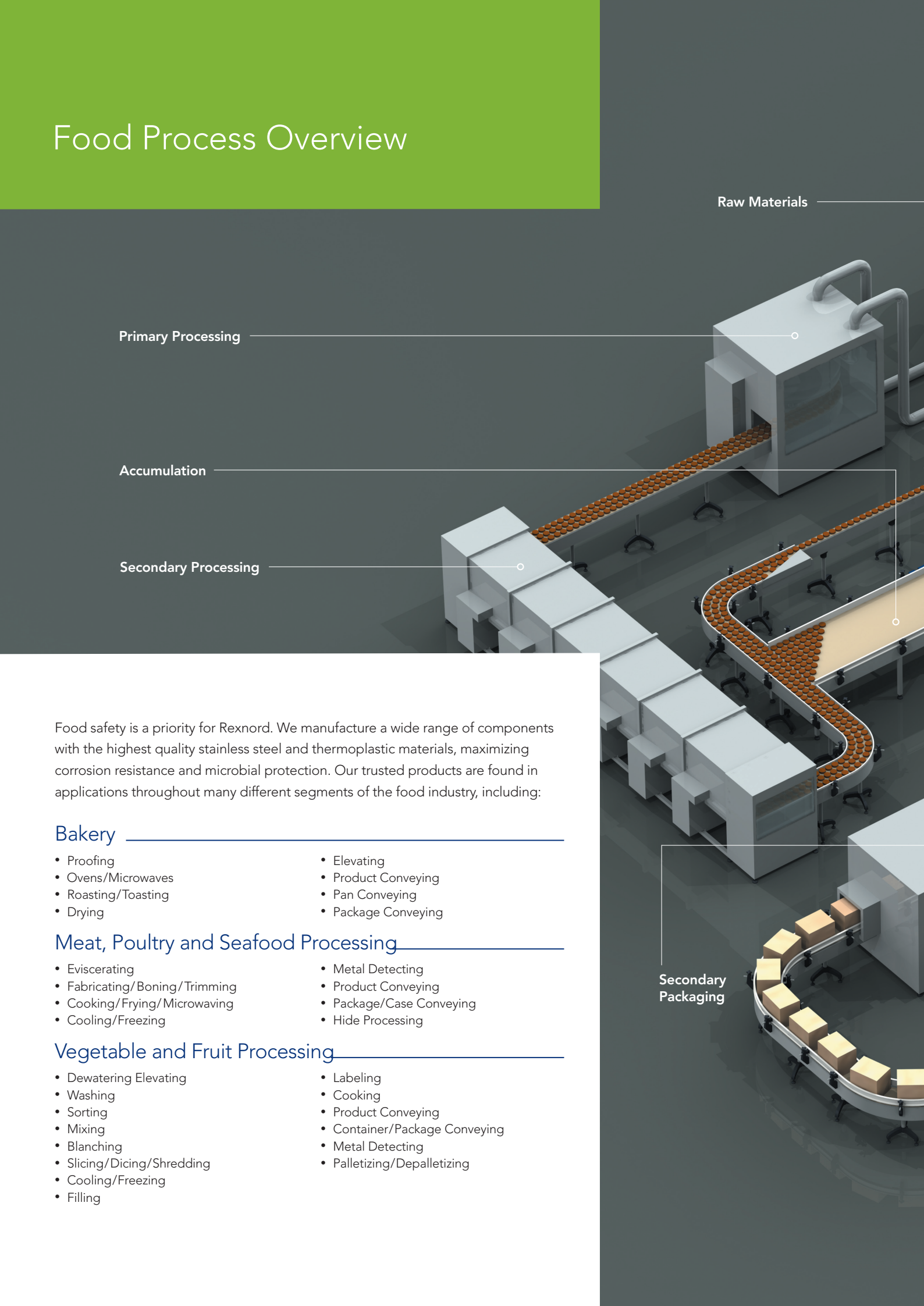
## Meat, Poultry and Seafood Processing

- Eviscerating
- Fabricating/Boning/Trimming
- Cooking/Frying/Microwaving
- Cooling/Freezing
- Metal Detecting
- Product Conveying
- Package/Case Conveying
- Hide Processing

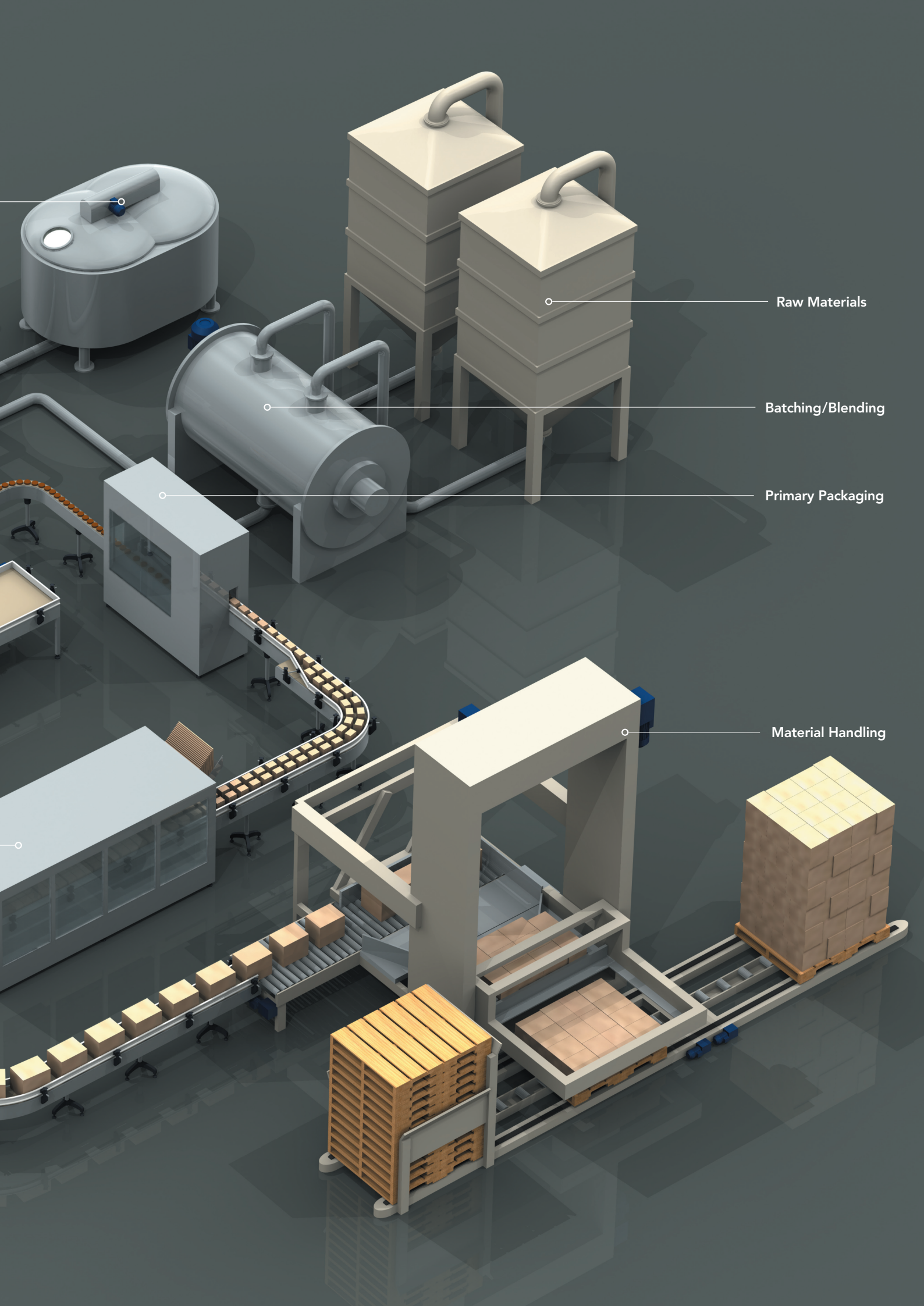
## Vegetable and Fruit Processing

- Dewatering Elevating
- Washing
- Sorting
- Mixing
- Blanching
- Slicing/Dicing/Shredding
- Cooling/Freezing
- Filling
- Labeling
- Cooking
- Product Conveying
- Container/Package Conveying
- Metal Detecting
- Palletizing/Depalletizing

Secondary Packaging







Raw Materials

Batching/Blending

Primary Packaging

Material Handling



# Trusted Brands. Reliable Performance. Engineered Solutions.

## Conveying Chains

The key to protecting uptime in high-productivity beverage and food conveying is matching the filling and packaging line requirements to the performance specifications of the conveying chain. That's why Rexnord offers the industry's broadest range of innovative TableTop® and MatTop® chains and sprockets that meet the speed, friction and wear requirements of virtually any application.

- Extensive surface options to accommodate smooth transferring, incline, decline, curve, accumulation and rinsing requirements
- Straight-running and side-flexing options for installation flexibility and floor space limitations
- Microban® anti-microbial protection for the food Industry
- Innovative pin design for ease of installation and maintenance
- Best chain-to-sprocket interaction in the industry

## Conveyor Components

Engineered to perform in high-speed and high-sanitation applications, Marbett® conveyor components help extend chain life and provide highly flexible, smooth running conveying conditions. Many products within Rexnord's complete portfolio of conveyor components are available in plastic and stainless steel to address a wide range of requirements.

### Chain Guide Components

- Wear strips
- Corner tracks
- Return rollers

### Product Handling Components

- Guide rails
- Roller guides
- Clamps and brackets

### Frame Support and Leveling Components

- Support bases
- Articulated and fixed feet
- Connecting joints

### Specialty Components

- Modular roller transfer plates
- Return rollers
- Shaft collars

## Roller Upgrade System (RUS)

Making a change from the high-maintenance costs and product damage of powered roller conveyors to the superior performance of Rexnord® case handling solutions has never been easier. With the Rexnord Roller Upgrade System, it is easy to:

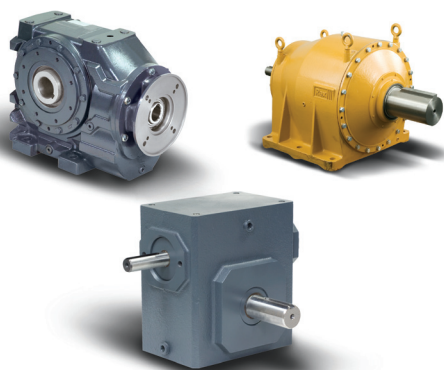
- Eliminate up to 85% of your maintenance and operational costs
- Reduce product damage and returns
- Increase safety with fewer rotating parts
- Significantly reduce noise levels
- Reduce spare parts inventory by up to 90%
- Significantly reduce unplanned downtime
- Increase energy savings with upgraded drives on a more efficient system
- Install with minimal resources





## Gear

From small to large applications, Rexnord drives all types of conveyors, pumps, mixers, homogenizers, pasteurizers, warmers, coolers and cookers.



### Falk® Ultramite® Helical Reducers

- Highly efficient gear units
- Stainless steel option for years of reliable performance in wet, hostile environments
- Independent gearmotor design can be fitted with any NEMA or IEC motor
- Use with inverter duty motors to reduce spare parts inventory

### Falk® Omnibox® Helical Worm Gears

- Trouble-free performance on low-ratio, low-horsepower applications
- Shipped with H1 food-grade lubricant
- Standard dual Viton® seals and retained and sealed taper roller bearings

## Bearing

Link-Belt® Klean-Gard™ ball bearings are the ideal solution for maximizing uptime in washdown applications. Product features include:



- Corrosion resistant stainless steel inserts
- White polypropylene housing for quick and easy contamination inspection
- Front and rear rubber seals remove moisture entry points and eliminate microbial growth
- Easily visible orange safety caps to help safeguard workers from moving equipment
- Access instant answers to critical bearing questions through the *Bearing Mobile Pro™* app

## Coupling

Rexnord provides a full portfolio of technology leading, non-lubricated coupling solutions to meet your specific application need. Omega® and Wrapflex® elastomeric couplings reduce downtime and maintenance while extending the life of connected equipment. Additional product features include:



- Washdown capable stainless steel hub and shoe options
- Replace-in-place design, eliminating need to remove driving or driven equipment
- Excellent vibration dampening capability
- High-misalignment capacity

Product offerings continued on the next page →



## Additional Food and Beverage Offerings

### Torque Limiters

The Autogard® portfolio leads the industry by providing high quality, innovative products. Autogard ball detent torque limiters immediately disengage and work like a mechanical “circuit breaker” to protect the weakest member of the drive train in the event of an overload or jam. Product features include:



- Random or single position reset options
- Automatic or manual re-engagement
- Corrosion resistant finish options for wash-down or harsh working environments
- Fits with standard couplings and drive media
- Wide range of supported applications and torque settings
- C-to-C design option for increased flexibility

### Industrial Chain

Rexnord is the industry leader and most experienced chain manufacturer in the world. Using state-of-the-art manufacturing technologies, we provide high-quality, reliable chain for years of trouble-free performance. We offer a number of different corrosion-resistant solutions, including a broad range of roller chains, welded steel chains and engineered class chains.



## Technical Services

Application expertise and superior engineering support come standard with every Rexnord product. When you partner with Rexnord, you have access to the industry’s most knowledgeable team of experts. Our products are manufactured to perform better and last longer. Our qualified engineering staff are available to assist you on all of your application needs, including:

- Chain selection recommendations
- Chain pull calculations
- Product performance analysis
- Product handling tests
- Retrofit information
- Plant surveys
- Run dry surveys
- New product development





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

**866-REXNORD (within the U.S.) or 414-643-2366 (outside the U.S.)**  
**[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.

**REXNORD**

**Rex** **FALK** **Link-Belt** **mar/bett** **MCC** **BERG** **highfield** **Stearns**