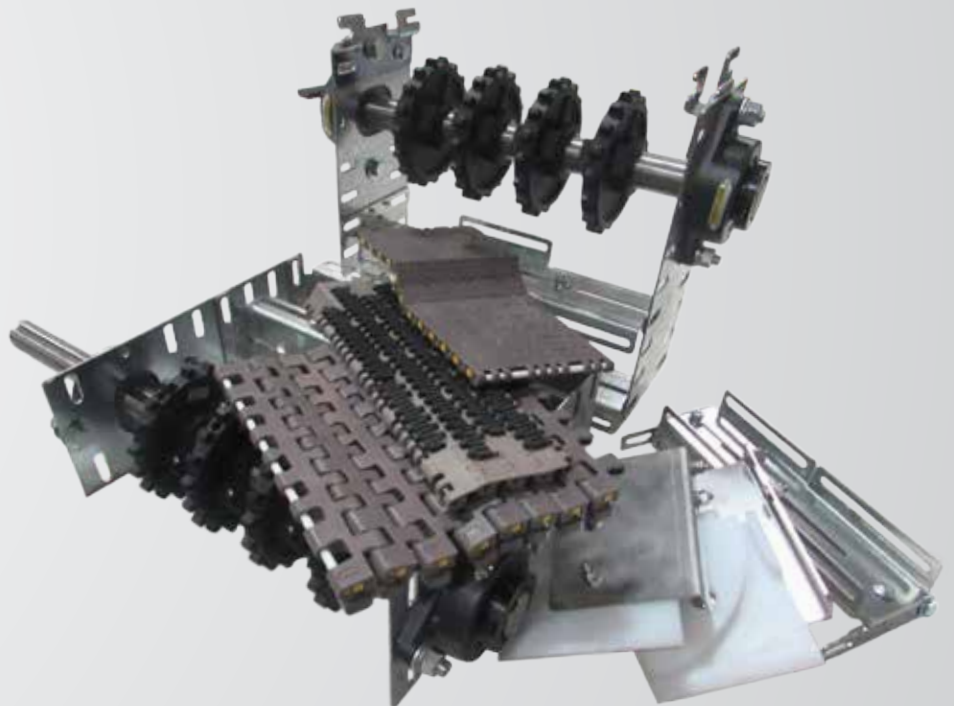


Rexnord Roller Upgrade System



Rexnord Roller Upgrade System — Upgrading to Superior Productivity and Performance

Making a change from the high-maintenance costs and product damage of powered roller conveyors to the superior performance of Rexnord® Roller Upgrade System (RUS) solutions has never been easier. For more than 20 years, Rexnord has supported case handling applications for customers in the food, and beverage & liquid industries with RUS.

Customers choose RUS for:

Elimination of up to 85 percent of your maintenance and operational costs

Uptime is improved and belt and roller maintenance costs are eliminated:

- Pulley friction is replaced with the positive drive between the sprocket teeth and the chain, eliminating belt slippage and tracking problems
- Sprockets and chain guides provide positive side-to-side tracking — no more belt wandering and frayed belt edges
- Elimination of take-ups and their associated maintenance, as well as O-ring replacement

Modular chain maintenance is simple:

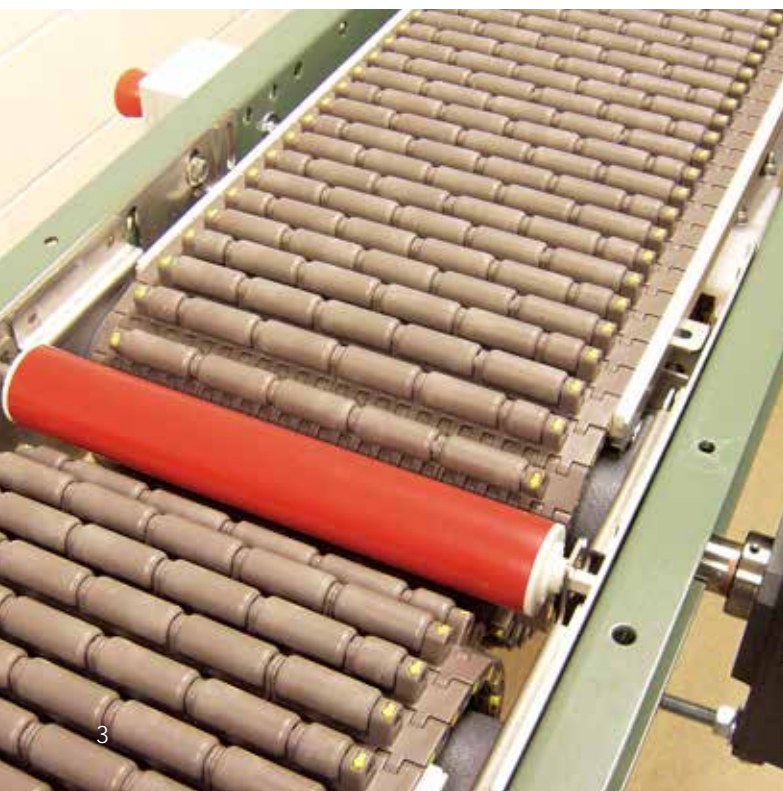
- Modular design and reusable pins enable simple replacement of damaged chain section, eliminating belt cutting and splicing
- Modular chains provide much longer life by eliminating belt tracking and wearing, and roller and bearing damage or breakage

Improved safety and ergonomics

- Use of the sliding return eliminates all sagging belts where workers would have been exposed to an unsafe access point
- Fewer rotating parts, mitigating pinch points
- Modular chains are smoother and quieter than powered rollers or belts, and provide lower noise levels below OSHA decibel requirement

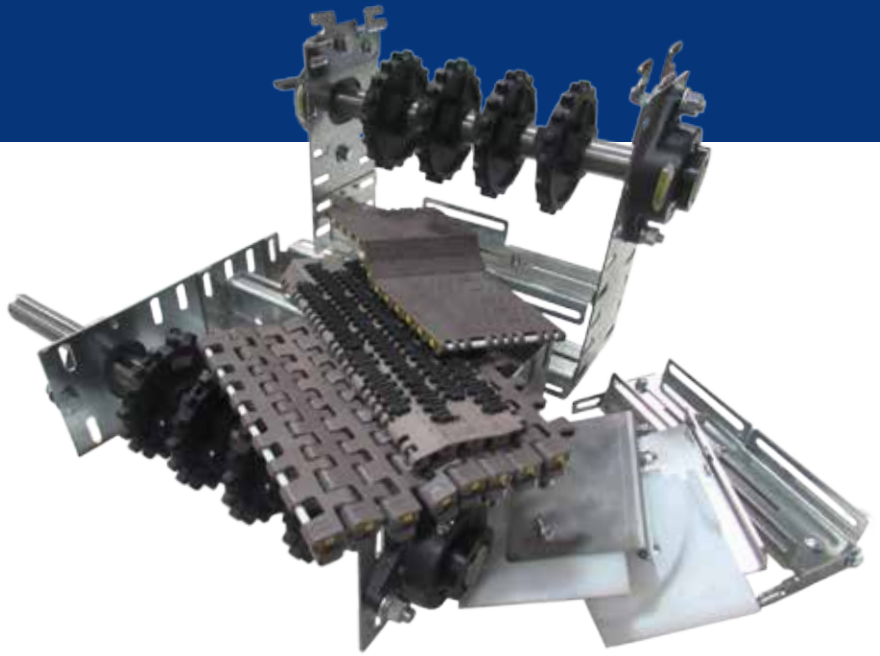
Smooth ride

- Modular chain greatly reduces the damage to products and packaging, providing stable transport in the final processing steps before shipment
- Bouncing and scuffing of product from uneven rollers and belt imperfections is replaced with the smooth ride of a modular chain
- Lithograph buildup on rollers is eliminated
- Uneven conveyor heights are reestablished to original condition; the conveyor height is made consistent and transitions are smooth between sections
- Accumulation is improved using Low Backline Pressure (LBP) chain
- Proven chain and sprocket interaction of Rexnord MatTop® and TableTop® Chain provide sturdy, vibration-free foundation for smooth, high-speed case conveying



Quick and easy installation

- Fully adjustable to accommodate virtually any existing roller or belt conveyor
- Delivered with everything needed to upgrade existing systems, including chain, support brackets, wearstrips and our unique shaft support modules (SSM)
Note: Reducers and motors can be quoted separately upon request
- Clear instructions are provided, and only basic tools are needed to perform the upgrade in three steps — see page 6



Customized solutions

- Adaptable to virtually all roller or belt conveyor installations, including inclines and declines, curves, accumulation, brake belts, merge conveyors, and jack shafting

Significantly reduce inventory and power consumption

- Consumable parts inventory is reduced by 90 percent, including:
 - Rollers
 - O-rings
 - Flat belting
 - "V" belts
 - Belt clips
- Increase energy savings even more for your system with upgraded gear drives that provide a more efficient system

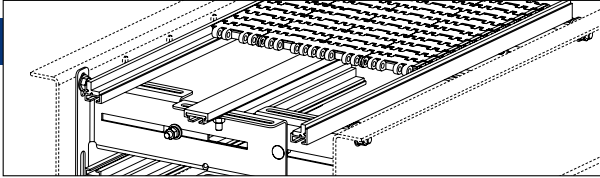
Increase line efficiency and flexibility

- Accommodates today's ever increasing line speeds
- Modular design allows for future line reconfigurations
- Handle multiple package configurations with Rexnord MatTop Chain



Conveying Productivity for a Range of Applications

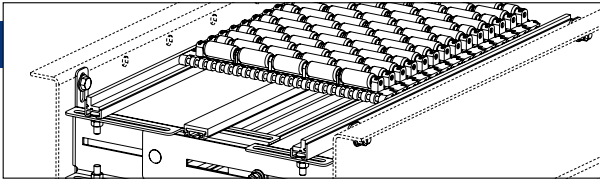
Read below to learn more about the range of RUS configurations Rexnord offers for your specific needs. Whether your need is for light-, medium-, or heavy-duty applications, we have you covered.



Straight — general conveying

Rexnord 7705 MatTop Chain — heavy-duty

Rexnord 8505 MatTop Chain — medium-duty



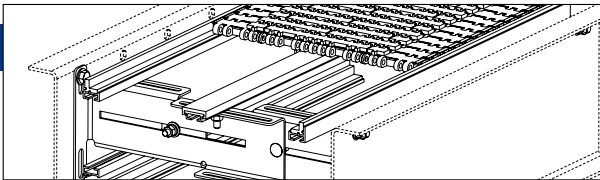
Straight — accumulation

Rexnord 7703 LBP MatTop Chain — heavy-duty, low backline pressure

Rexnord 7743 LBP MatTop Chain — heavy- and medium-duty, low backline pressure

Rexnord 8503 LBP MatTop Chain — medium-duty, low backline pressure

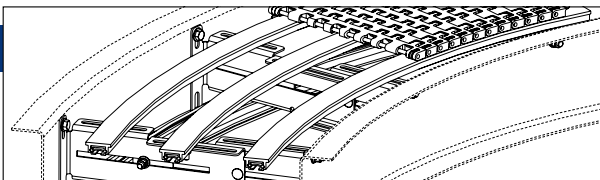
Rexnord 1553 LBP MatTop Chain — medium-duty, low backline pressure



Straight — incline, decline, braking

Rexnord 7705 SG MatTop Chain — heavy-duty with SuperGrip™ Material

Rexnord 8505 RT MatTop Chain — medium-duty with RubberTop® Material



Curve — general transport

Rexnord 7956 B MatTop Chain — heavy-duty with bearing

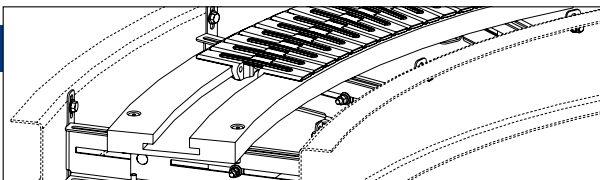
Rexnord 7966 B MatTop Chain — heavy-duty with bearing

Rexnord 7956 GT MatTop Chain — medium-duty with guide tabs

Rexnord 882 TAB TableTop Chain — medium-duty

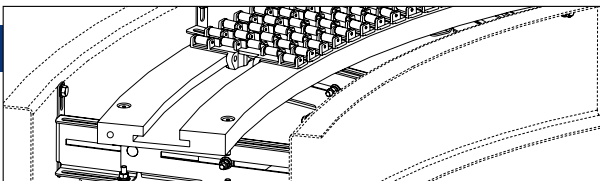
Rexnord 7966 ST MatTop Chain — medium-duty with side tabs

Rexnord 7966 NT MatTop Chain — medium-duty with no tabs



Curve — incline and decline

Rexnord 882 SG TableTop Chain — medium- and heavy-duty with SuperGrip Material



Curve — accumulation

Rexnord 883 LBP TableTop Chain — medium-duty

Rexnord 7963 ST MatTop Chain — medium-duty with side tabs

Rexnord 7963 NT MatTop Chain — medium-duty with no tabs

Rexnord 7966 B MatTop Chain — heavy-duty with bearing

Before and After RUS



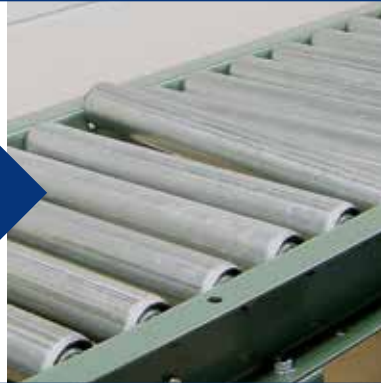
Before: active roller system prior to upgrade



After: completed upgrade to Rexnord MatTop Chain

Perform your system upgrade with RUS in three steps:

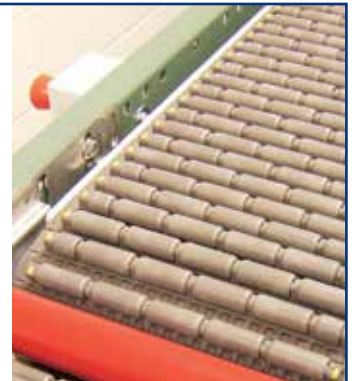
1
Remove old rollers.



2
Install support brackets and shaft support modules.



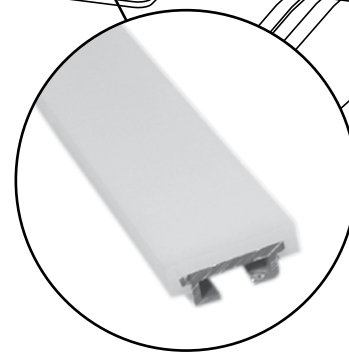
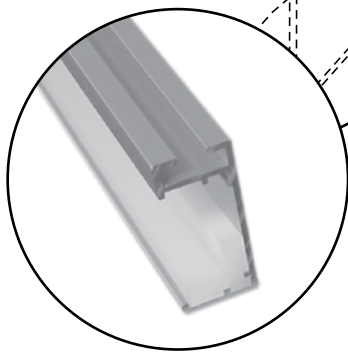
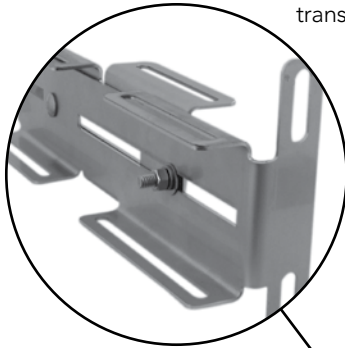
3
Install wearstrips and chain.



Tailored to Your Application

Support bracket

- Heavy gauge zinc-plated bracket and standard mounting hardware
Note: Stainless steel brackets available upon request
- Easily installs between frames and adjusts to maintain conveyor height
- Available for between-frame widths from 8 to 54 inches (203–1,372 millimeters)
- Foundation for steady, smooth and consistent transport of packages



Return guide

- Extruded anodized aluminum rail for strength
- Extruded UHMWPE strips for improved wear
- Uses standard carriage bolts; hardware is included for simple mounting to support brackets
- Factory bent to match specific radii
- Much safer and quieter than belts sagging below the frame

Center wearstrip

- Extruded anodized aluminum rail for strength
- Extruded UHMWPE strips for improved wear
- Uses standard carriage bolts; hardware is included for simple mounting to support brackets
- Factory bent to match specific radii
- Designed for smooth, quiet operation

Depend on us for our technical expertise

The combination of our chain design and technical expertise can help you choose your RUS solution that guarantees optimal product handling without compromising your ability to meet targets for safety improvements, increased productivity, water reduction, and energy savings.

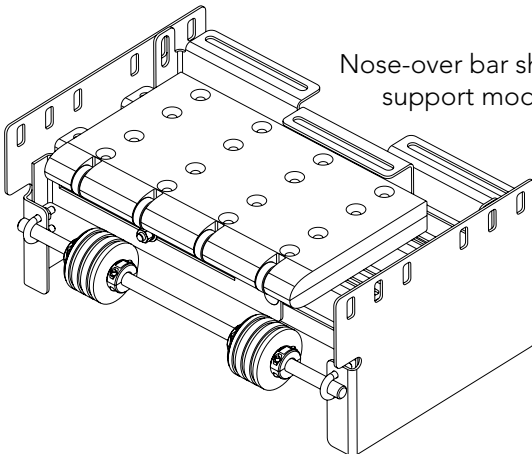
Rexnord TableTop and MatTop Chain

- Durable, long-wearing, low-friction materials
- Modular design for easy maintenance and replacement of damaged sections
- Driven and tracked positively by sprockets
- Proven track record of long life and high performance in package and case handling applications
- Unique chain designs engineered for best performance in straight, curve, incline and decline, and accumulation applications

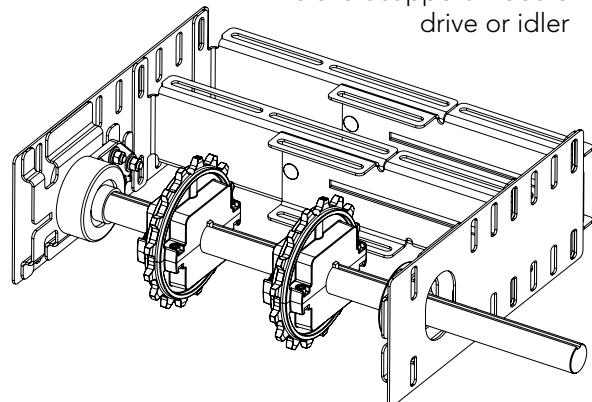
Edge guide — for straight-running conveyors

- Extruded anodized aluminum rail for strength
- Extruded UHMWPE strips for improved wear
- Uses standard carriage bolts; hardware is included for simple mounting to support bracket
- Provides side-to-side tracking while allowing cases to overhang conveyor
- Designed for smooth, quiet operation

Nose-over bar shaft support module



End shaft support module drive or idler



Shaft support modules

- Heavy gauge zinc-plated brackets and standard mounting hardware
- Includes the supports, bearings, shafts, and sprockets for the particular application
- Easily installs between frames and adjusts to maintain conveyor height
- Available for between-frame widths from 8 to 54 inches (203–1,372 millimeters)
- Pre-assembled in our factory for the chain and drive configuration required
- Drive support module, idler support module, and tandem support module available
- Rexnord nose-over option provides the most efficient transfers for the smallest packages

Additional Solutions and Expertise to Support Your RUS Solution

In addition to our RUS offering, we also offer Rexnord Gears and Bearings to support RUS and other conveying requirements. Read below to find out more.

Rexnord Gears

From small to large applications, Rexnord drives all types of conveyors. Falk® Ultramite® UB and Omnibox® WBQM provide quiet, efficient operation with an easy-to-mount kit for RUS upgrades.



Falk Ultramite UB Helical Bevel Reducers

- Highly efficient gear units
- 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
- Standard dual Viton seals, and retained and sealed taper roller bearings
- Unit can also accommodate NEMA or IEC frame motors

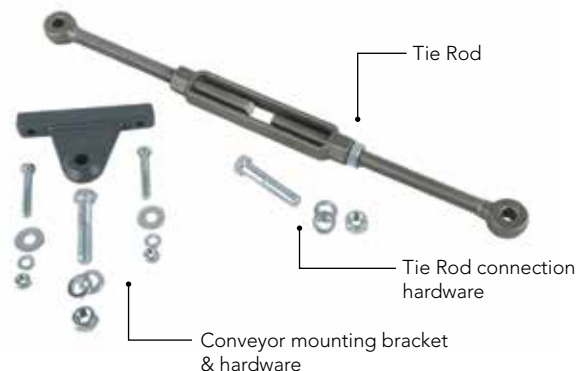
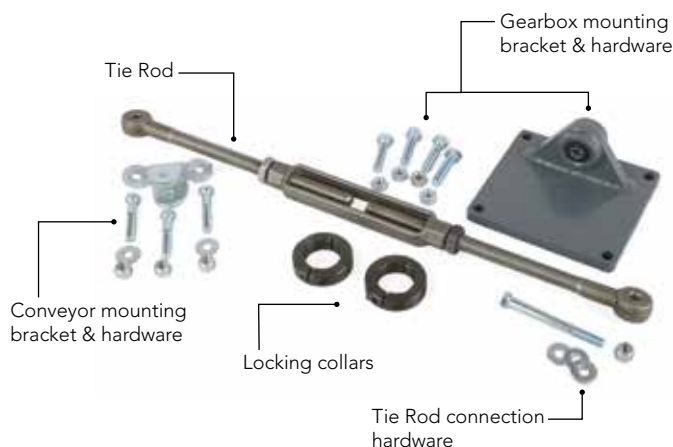
Easy-to-mount gear kit

Ease the mounting of your unit to the RUS shaft with an optional, complete kit for Falk Ultramite UB or Falk Omnibox WBQM installation:

- Includes gear and conveyor mounting brackets, torque arm, and appropriate fasteners
- Ensures quick and easy installation for any horizontal application
- Add positive torque transfer without corrosion or fretting, energy efficiency, and quick availability no matter where you're located



Below: easy-to-mount gear kit





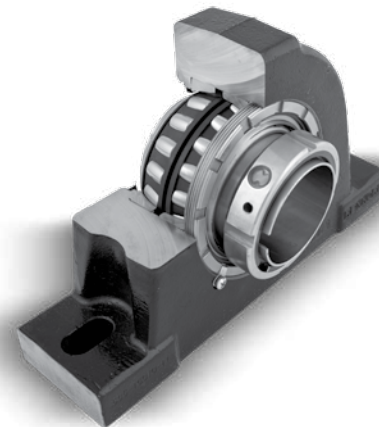
Rexnord Bearings

Offered standard as part of our RUS solutions, Rexnord has the largest and most complete line of mounted bearings in the industry. Our trusted Rex® and Link-Belt® brands are backed by more than 75 years of U.S.-based manufacturing and technical expertise while bringing a superior level of durability, adaptability and functionality to fit your RUS requirements.



Ball bearings

- Among the most comprehensive lines of mounted ball bearings in the industry under our proven Link-Belt brand
- A range of application-driven product durability levels, mounting styles and seal options
- Application-specific designs for food, beverage & liquid, high temperatures, safe washdowns, extreme environments, and more



Roller bearings

- Designed to maximize uptime and minimize changeover time, ensuring your equipment runs at peak performance for a wide breadth of conveyor applications
- Premium internal components, including one of the largest barrel-shaped rollers in the industry, result in higher thrust load carrying capacity than any comparable product in the market and some of the most misalignment capability

Make the Change to RUS Today: Connect with Our Experts

To learn more about RUS and how we can support your application, contact your Rexnord FlatTop representative or our North American Application Engineering team at **262-376-4800** to review your application. You can also email us at **flattop.tech.support@rexnord.com**

Our experts will discuss with you measurements and application questions to ensure the most efficient solution is developed. This includes the chain type and other components of the solution, along with a budgetary quotation.

When you are ready to proceed with the order, our team will review our proposed solution with you. Your product will be configured to your specific needs and delivered with complete and easy-to-follow instructions to upgrade your old conveyor.

Visit **www.rexnord.com** for documentation and product information.

Did you
know?

You can increase throughput in packages per year.

At a rate of 300 cartons per minute, RUS with Rexnord MatTop Chain can improve your facility's throughput by over 1,500,000 packages per year, with labor hours saved from reduced downtime to replace or maintain roller-based systems. From these additional revenues alone, payback of your Rexnord MatTop Chain investment is usually returned in just a few months.

You can significantly reduce maintenance time and spare parts inventory.

To maintain uptime in a facility, plants typically carry a full line length of flat belts in inventory. Flat belts require up to five hours for splicing and replacement. By comparison, Rexnord MatTop Chain is easy to maintain. We recommend keeping only 10 percent of installed length on the shelves. Modules assembled with our quick-release TwistLock® Pin Retention System are easily accessible, so maintenance on a damaged link takes minutes, not hours.





Customers Save on Time and Increase Productivity with RUS

Read below for examples highlighting how customers have saved on time and increased productivity as a result of installing RUS in their application. For more details on the below examples, visit www.rexnord.com/tco

A wine supplier's use of the Rexnord RUS in a **case conveyor-to-packaging conveyor application** saved them **\$9,100 annually** with a one-time capital and installation expenditure of \$14,638.

Soft drink manufacturer in a **case packer to palletizer application** saved **\$81,200 annually** with a \$53,256 capital and installation expenditure.



866-REXNORD/866-739-6673 (Within the U.S.)
414-643-2366 (Outside the U.S.)
www.rexnord.com

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

Rexnord Company Overview

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 & Motion Control

The Rexnord Process & 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.