

Engineered Sustainability

MAXIMIZE SAFETY | OPTIMIZE PRODUCTIVITY | MINIMIZE WATER | REDUCE ENERGY



Engineered Sustainability by Rexnord

What is Engineered Sustainability?

Sustainability is the capacity to endure. Engineered Sustainability™ by Rexnord is a product program to help you design durable conveyor systems with components that guarantee optimal product handling without compromising the ability to meet targets on safety improvement, increased productivity, water reduction and energy savings.

By assessing your individual needs and objectives, Rexnord's skilled engineers will help you obtain the lowest Total Cost of Ownership (TCO), resulting in significant cost savings by improving operational safety, efficiency and productivity.



High-speed PET filling line, equipped with Rexnord MatTop chain in Dry-PT material

Rexnord Engineered
Sustainability Product Line



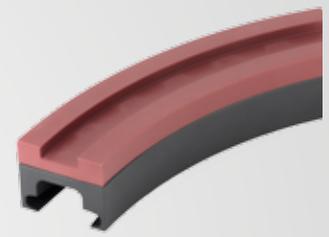
ZeroGap Multi-flex Chain

The Rexnord ZeroGap™ Multi-flex chain has a patented top plate design which allows for tight side-flexing with no gap opening on its surface. This enhances product performance resulting in less tippage, reduced debris trapping and improved safety.



661 Series Chain

The 661 Series 1-inch pitch stainless steel chain offers improved product handling thanks to Rexnord's patented top plate design. The small pitch results in smooth running conveyors with optimal bottle stability at low noise levels. Twenty-five percent lower chain weight results in lower headshaft tension on the conveyor.



Combi-X Curves

Magnetflex® Combi-X Curves with integrated ULF™ (Ultra Low-Friction) upper parts are best choice for dry running applications. Consistent low friction between chain and curve results in minimal headshaft tension, low noise levels and long wear life.



Maximize Safety

In any working environment, safety comes first. In the beverage filling industry, potential safety hazards on production lines include: slippery floors, high noise levels and excessive high-speed moving parts in machinery and on conveyors. Rexnord's Engineered Sustainability program will help you improve conveyor system safety with products that require no external lubrication and feature closed chain surfaces for minimized noise levels.

Minimize Water

Conveyor systems in high-speed beverage filling lines traditionally use a lot of water for external lubrication (required for low-friction and constant cooling of high-speed corner tracks). Rexnord's Engineered Sustainability program will help you to reduce or completely eliminate external lubrication and additional waste water collecting on your equipment, with products that are suitable for "dry running" at high-speeds.

Optimize Productivity

Conveyors have become the critical connection between machines providing optimal product flow and the required buffering capacity. Reliability and durability of the conveyor components determine total uptime and cost to keep the line performance at required levels. Rexnord's Engineered Sustainability program will help you upgrade your conveyors to increase productivity by using state-of-the-art designs and materials for the chains and components.

Reduce Energy

An average beverage filling and packaging line typically contains around 80-100 conveyors that have individual drives. The required power to drive each conveyor is determined by factors such as: weight, conveyor layout and friction between various contact surfaces. Rexnord's Engineered Sustainability program will help you with state-of-the-art material combinations to provide the lowest friction at a constant level, resulting in direct energy saving on each conveyor.

How can Rexnord help you?

Contact your local Rexnord FlatTop representative to request a technical survey of your production line by an experienced application engineer to identify opportunities for sustainable improvements.



Dry-PT TableTop and MatTop Chains

Dry-PT™ has proven to be the first plastic chain material to provide the required low friction against PET on a constant level over time, where other plastic chain materials always show a permanent increase of friction level after hours of running.



PSX TableTop and MatTop Chains

PSX material is developed for high-speed conveying of glass bottles, PET bottles and cans in conditions where minimal or no external lubrication is present. Rexnord MatTop and TableTop chains in PSX material offer a long wear life with minimal dust forming in dry running applications.



1005 XLBP Series Chain

The Rexnord 1005 XLBP Series MatTop Chain is ideal for pack conveyors that requires the lowest backline pressure. This design sets a new standard for the beverage industry.



ULF Wearstrips

RAM-extruded wearstrips in ULF material contain a solid lubricant that comes to the surface when chains are sliding over the wearstrips, providing extremely low-friction. This results in lower headshaft tension, smooth running and low noise levels.

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.