

ART Dynamic Chain for Package and Parcel Handling Applications



ART Dynamic Chain

Third party logistics, parcel, e-commerce, distribution, and manufacturing companies need to handle packages, boxes, cases, pouches, and bags efficiently – with minimal to zero damage. Our new ART™ Dynamic Chain is an ideal alternative to create dynamic behavior in-line, with zero backline pressure capabilities.

What is ART Dynamic Chain?

It is a Rexnord chain that provides the ability to create MULTIPLE behaviors – zero back line pressure, rotation, acceleration, deceleration, low pressure accumulation, metering, and sequencing – in ONE single conveyor design, unlike others that require multiple conveyors to perform those behaviors.

Does Rexnord provide an entire ART conveyor system?

Rexnord ONLY provides the ART Dynamic Chain, which allows OEMs to incorporate their own design and engineering expertise to create their conveying systems.

How is ART Dynamic Chain activated?

ART Dynamic Chain is activated by applying pressure on the activation cones located on the outer edges of the chain. When an actuator applies pressure from the top, the rollers roll backwards, creating a “deceleration/brake/stoppage” of the case being conveyed. When an actuator applies pressure from the bottom, the rollers roll faster, creating an “acceleration” of the case being conveyed.

Standardization and Manageable Level of Complexity

- ART Dynamic Chain can be activated with standard tools and devices readily available today in the marketplace. No proprietary training required, OEMs can use standard devices to activate the chain.

Enhanced Line and Design Flexibility

- ONE single conveyor design with MULTIPLE behavior capabilities, using the same actuation tools to rotate, accelerate, decelerate, meter, and sequence at will, depending on application needs

Versatile Handling of Diverse Packaging Mix

- ART Dynamic Chain can handle boxes, cases, shrink wrap, polybags, pouches, and more

Reduced System Footprint

- ONE single conveyor design with MULTIPLE behavior capabilities helps eliminate MULTIPLE conveyors — reducing footprint and components

Zero Backline Pressure

- Enhanced GENTLE package and parcel handling with ZERO pressure capabilities
- Flexible and full control on zero pressure behavior to handle diverse package/parcel mix

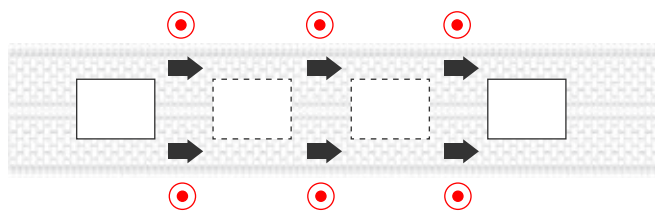


What behaviors can ART Dynamic Chain create?

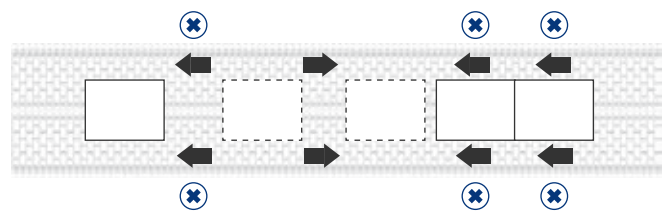
ART Dynamic Chain offers zero backline pressure, rotation, acceleration, deceleration, metering, and sequencing capabilities in one single conveyor design. Applications include beverage, food, and consumer products package handling in packer to palletizer (P2P) sections, as well as parcel handling in third party logistics, e-commerce, and warehousing applications.



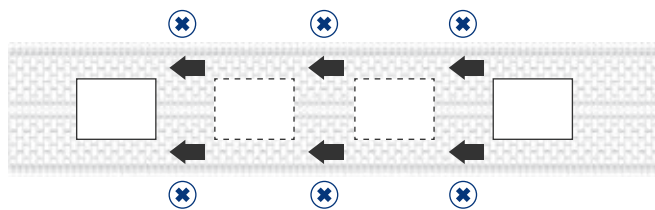
Forward Motion & Acceleration



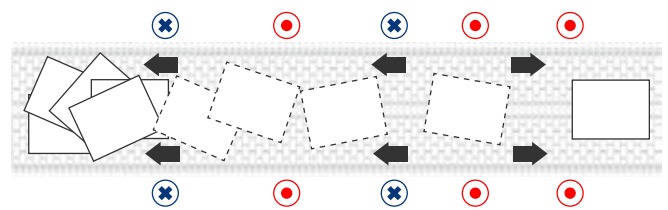
Low Pressure Accumulation



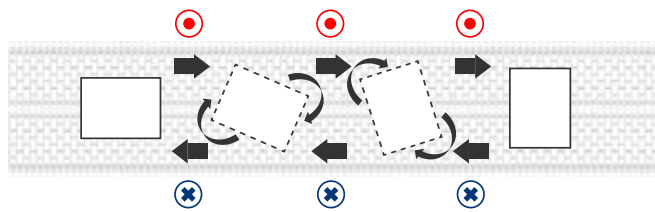
Deceleration/Brake



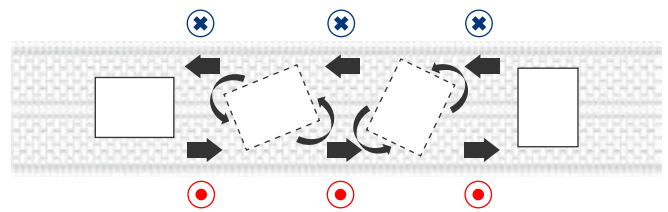
Unscrambling/Metering/Sequencing



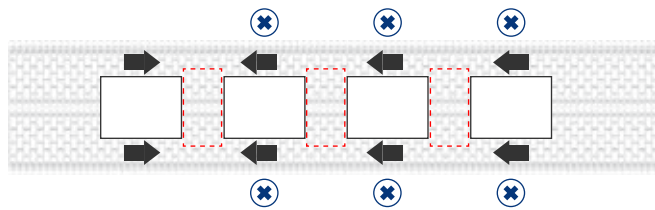
Clockwise Rotation – While in Motion



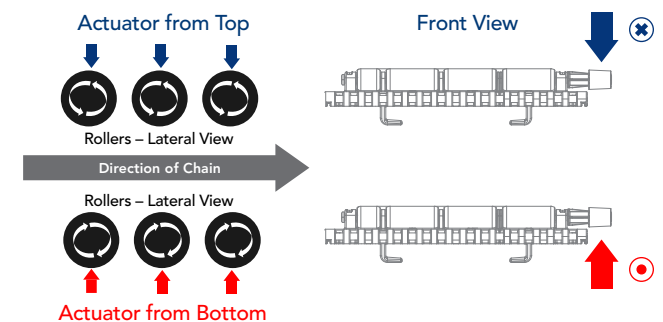
Counterclockwise Rotation – While in Motion



Zero Backline Pressure



Typical Activation of ART Dynamic Chain





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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.