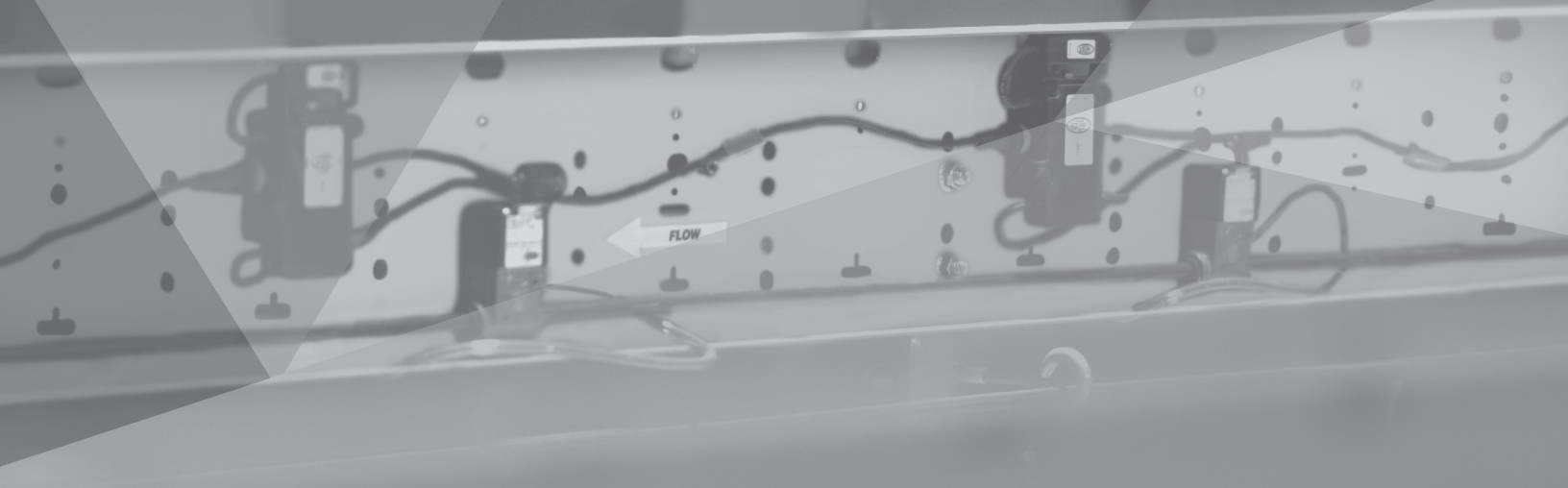
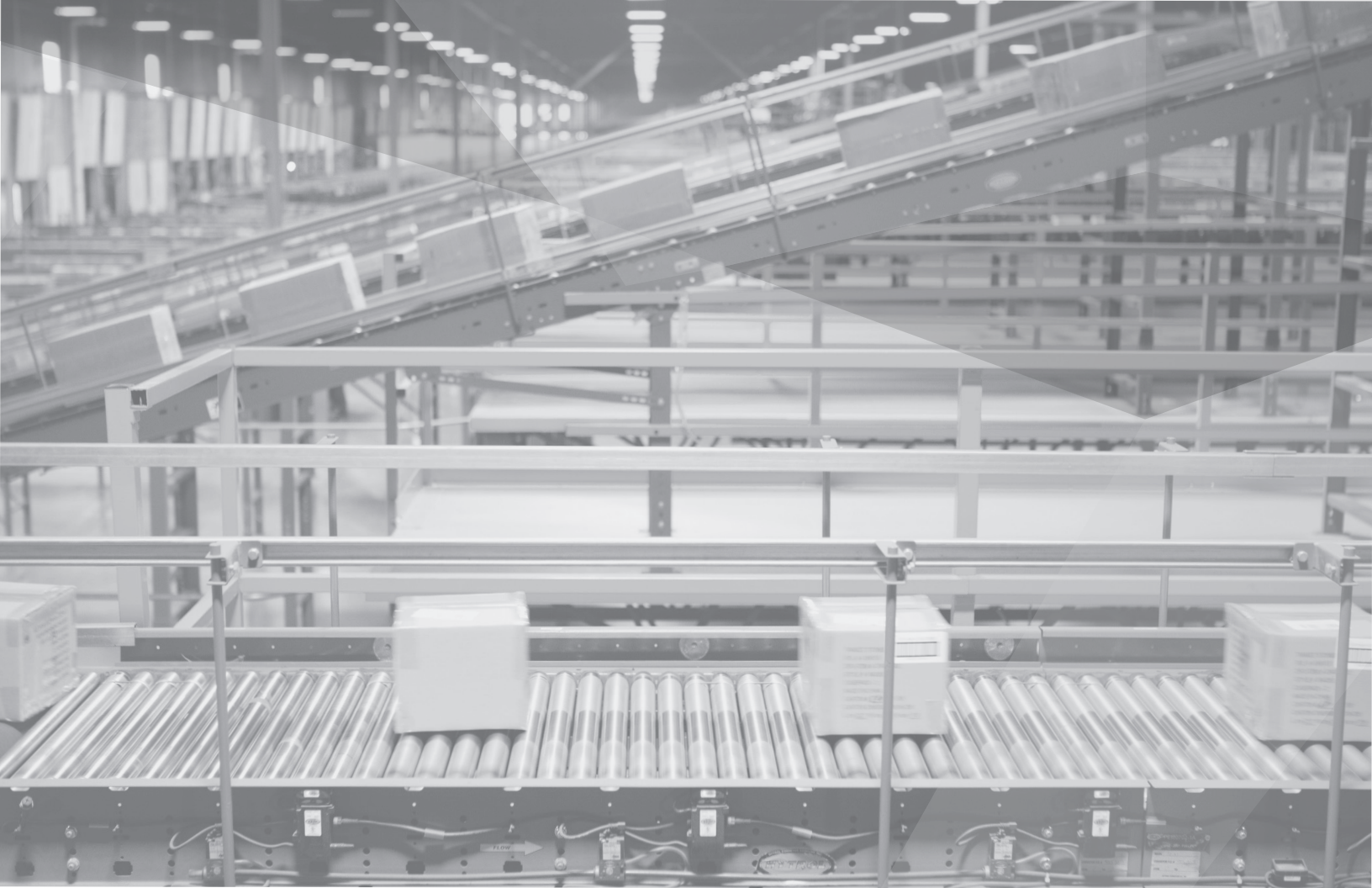


# EZLOGIC<sup>®</sup>

**ZERO PRESSURE ACCUMULATION SYSTEM**

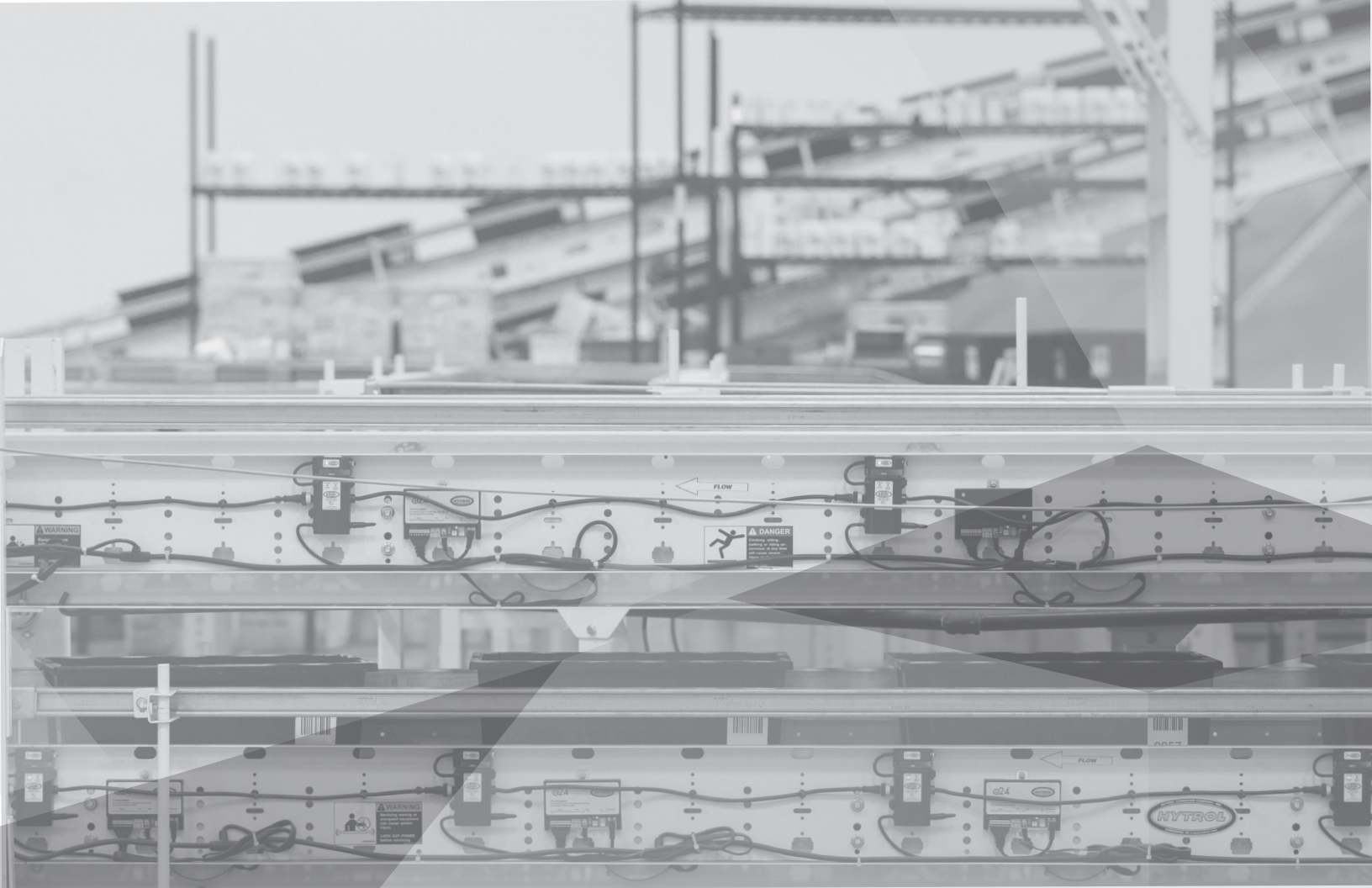




## **THE HYTROL ADVANTAGE**

Hytrol is the largest conveyor manufacturer in North America. Our success can be attributed to our firm commitment to systems, solutions, and service. A key component to the Hytrol Advantage is our Integration Partner Network, which is comprised of more than 100 locations worldwide. It's through our integration partners that we are able to provide the local presence, on-site expertise and instant assistance needed by customers today. We deliver innovative products and applications that improve profitability and sustainability in your supply chain everyday.

Our cutting-edge manufacturing facility operates under Lean principles to produce conveyors with the shortest lead-times in the industry. Organized focus factories enable us to continually improve our processes and manufacture top-tier solutions.



WARNING

← FLOW

**DANGER**  
Warning: High Voltage. Do not touch.  
High Voltage. Do not touch.

WARNING  
Warning: High Voltage. Do not touch.  
High Voltage. Do not touch.

DC4

DC4

← FLOW

**HYTROL**

## EXPERIENCE THE ADVANTAGE OF HYTROL'S EZLOGIC® ACCUMULATION SYSTEM

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EZLogic® Zero-Pressure Accumulation System is another Hytrol innovation that combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of PLC or pneumatic logic components. EZLogic® provides all the intelligence needed to accurately control the various functions of zero-pressure accumulation on a variety of conveyor models. Reduced noise, higher reliability, higher throughputs and ease of maintenance are just some of the advantages of the EZLogic® system.

With its unique features and easy configuration options, Hytrol's Gen3 EZLogic® zero-pressure accumulation system is flexible, efficient and above all—advanced.

## **EZLOGIC® ZONE CONTROLLER**

The heart of the EZLogic® Accumulation System is the EZLogic® Zone Controller. Each controller is equipped with a photoelectric input device to detect product presence, a microprocessor to evaluate various input signals, and control connections to provide communication of data between zones and to and from outside sources. Two types of product sensing are available: a retro-reflective type used in conjunction with a reflector to detect packages by looking across the width of a conveyor, and a diffuse type used to detect packages when a reflector cannot be used.

## **ENERGY EFFICIENCY**

EZLogic® provides an energy efficient alternative with its built-in sleep feature. This feature will stop the zone from driving if it does not detect product presence. This reduces noise and component wear and creates energy savings while the conveyor is in sleep mode. Packages traveling down the conveyor wake up the zones as needed to move the package.

## **DYNAMIC ZONE ALLOCATION**

Hytrol's Gen3 EZLogic® sets the standard with its patented Dynamic Zone Allocation, a technology that provides unprecedented throughput possibilities. It allows each carton to be assigned enough zones to accommodate their length—ensuring that longer cartons will not obsolete the system when introduced after installation. By simply assigning longer zone lengths when needed, Dynamic Zone Allocation increases carton throughput, accumulation density and conveyor efficiency, resulting in greater system flexibility.

## **INPUT/OUTPUT POWER SYSTEMS**

The IOP system gives you the ability to install all of your real time inputs and outputs to the EZLogic® system. This centralizes all your control wiring to one spot, reducing installation costs and improving peer to peer communications.



## **EASY TO CONFIGURE**

Overall system functionality can be enhanced with how easily EZLogic® interacts with other control devices and equipment. Inputs can be given to EZLogic® Zone Controllers in order to control carton release, change operational modes or perform other operations. Additionally, the EZLogic® system provides various output signals indicating when a zone is full, when it has accumulated a carton and other specific conditions. Inputs and outputs can be wired to any zone controller on the conveyor using an auxiliary input cable or auxiliary I/O module. Moving inputs or outputs can be accomplished by simply switching one controller with another. Replacing a zone controller is as easy as removing the existing unit, snapping a new one in place and configuring it.

## **LOADING ZONE FUNCTION**

When a product is placed in a zone by some external means, the EZLogic® Zone Controller stops the rollers from turning and holds back any upstream for a preset time.

## **EXPANDED CONTROLS OPTIONS**

EZLogic® serves most industries with its wide range of innovative functions and options. EZLogic® provides two primary modes of operation: Singulation Mode and Slug Mode. Many applications use a combination of both of these modes in their systems applications.

In Singulation Mode, product separates while traveling down the conveyor and when it is released from the conveyor. This creates a zone-length gap between products.

Enhanced Slug Mode with Jam Protection ensures that product does not separate when traveling down the conveyor or when it is released from the conveyor. This allows higher product throughput at any given conveyor speed. Product will not separate on the conveyor even when accumulation has been activated at the discharge end. Jam Protection will stop all upstream zones until the jammed zone has been cleared, preventing product pileup.

Rather than releasing all zones simultaneously, Cascaded Slug Release introduces a momentary delay in the release of each zone.



FIRE  
EXTINGUISHER

**HYTROL**

Q24

**⚠ DANGER**  
Slip and Fall Hazard  
Caution: Wet Floor

**⚠ WARNING**  
High Voltage  
Caution: High Voltage  
Do Not Touch  
When Energized

Q24

**⚠ WARNING**  
High Voltage  
Caution: High Voltage  
Do Not Touch  
When Energized

Q24

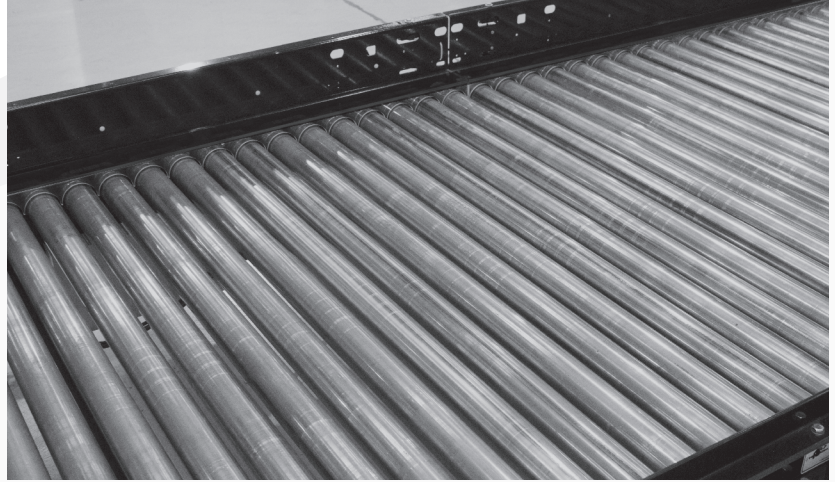
**HYTROL CONVEYOR MODELS WITH EZLOGIC®**



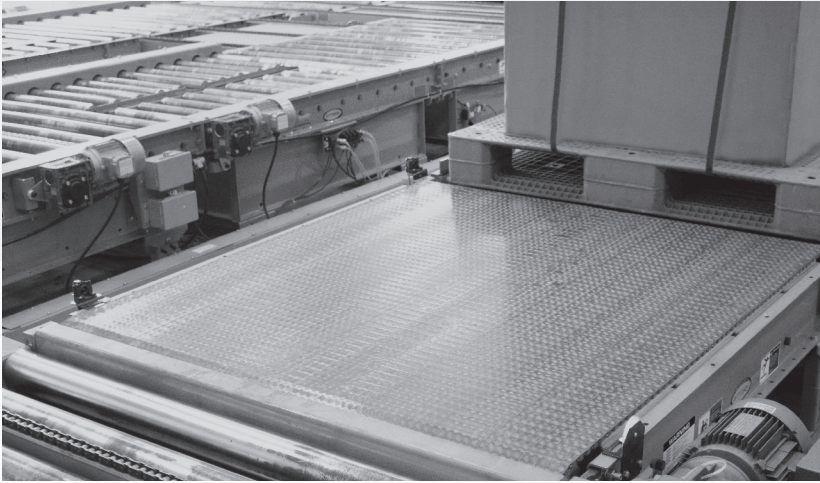
## ABEZ

The model ABEZ is a belt driven, live roller conveyor designed for applications that require accumulation of product without a build-up of line pressure and comes standard with a centralized drive capable of conveying 150 pounds per linear foot.

**199-PVEZ**  
**25-PVEZ**



The model 199-PVEZD is a Poly-V Belt driven live roller conveyor designed for zero-pressure accumulation of product. This conveyor is designed to handle cartons or pallets. The Model 25-PVEZD is designed to handle heavy pallets, drums, containers, etc.—capable of conveying 250 pounds per linear foot. Products may be accumulated in zones and released upon request.

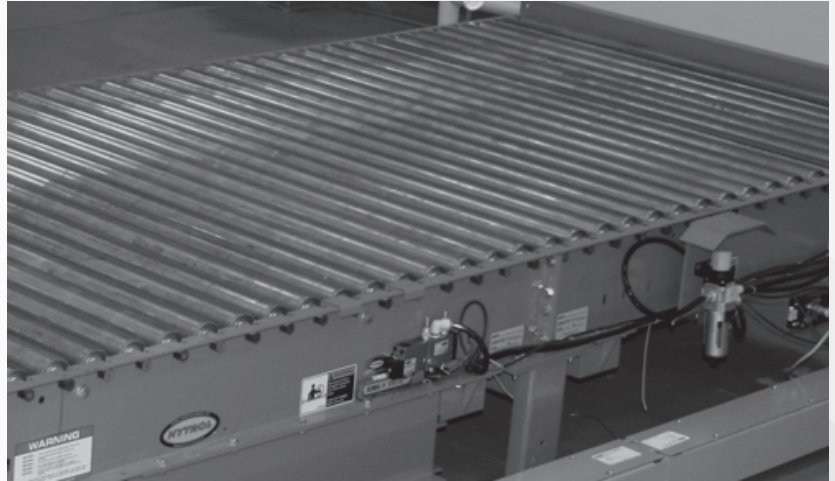


## PLEZD

The model PLEZD is a plastic belt conveyor designed to handle footed pallets, slip sheets, unitized loads—items normally non-conveyable on roller conveyor. The PLEZD provides zero-back pressure accumulation, reducing the possibility of product damage and can handle up to 2,000 pounds per zone.



## 25-LREZ



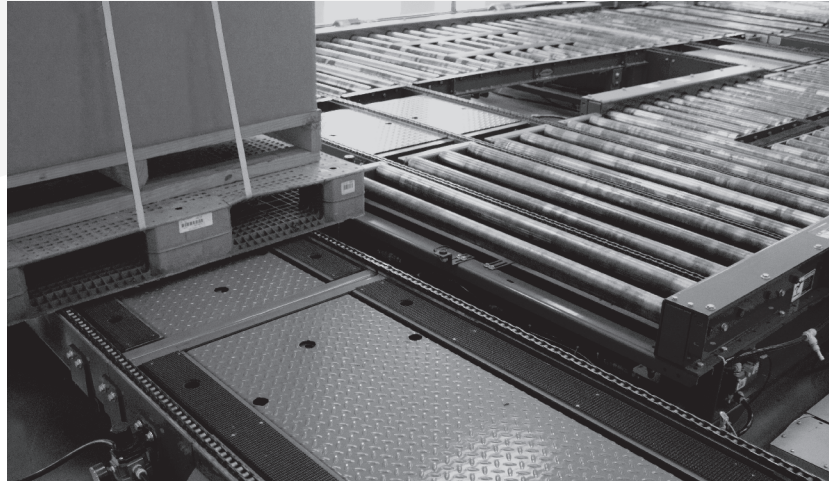
The model 25-LREZ is a heavy-duty belt driven live roller conveyor designed for use where zero-pressure accumulation, low elevation and close roller centers are required. The 25-LREZ is capable of conveying 1,000 pounds per linear foot.



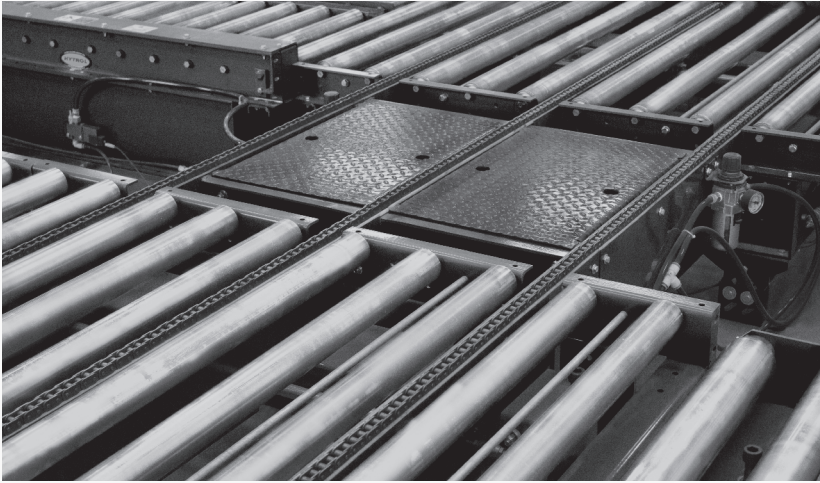
**199-CREZD**  
**25-CREZD**  
**36-CREZD**

The model 199-CREZD is a chain driven live roller conveyor designed to handle cartons or pallets in conditions not suitable for belt driven rollers. The model 25-CREZD and the model 36-CREZD are designed for more heavy duty applications that are capable of conveying 1,000 and 2,000 pounds per linear foot, respectively.

**DCEZ-60**  
**DCEZ-82**



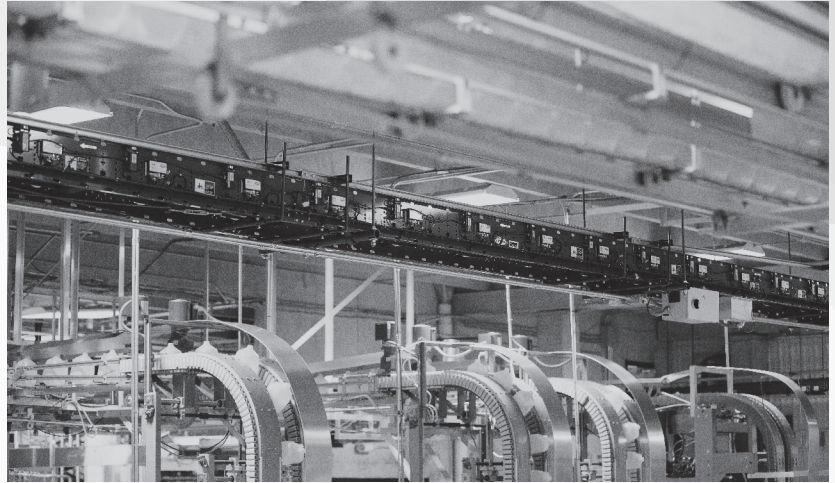
Model DCEZ-60 and DCEZ-82 are drag chain conveyors designed for pallets. With an EZLogic® accumulation module, pallets are accumulated with zero-back pressure reducing the possibility of collision that may result in product damage. Both are capable of conveying 12,000 pounds at 30 FPM.



**DCEZ-63**  
**DCEZ-83**

Models DCEZ-63 and DCEZ-83 are three strand drag chain conveyors designed to handle pallets. With EZLogic® accumulation modules, pallets are accumulated with zero-back pressure reducing the possibility of collision that may result in product damage. Both are capable of conveying 12,000 pounds at 30 FPM.

190-E24EZ  
190-E24Ezc



The model 190-E24EZ is a live roller conveyor equipped with a series of Hytrol's E24™ 24-volt DC motors to drive the tread rollers, eliminating the need for drive belts, chains or line shafts. The model 190-E24Ezc is a powered roller curve conveyor. Both feature Hytrol's patented EZLogic® Zero-Pressure Accumulation system.



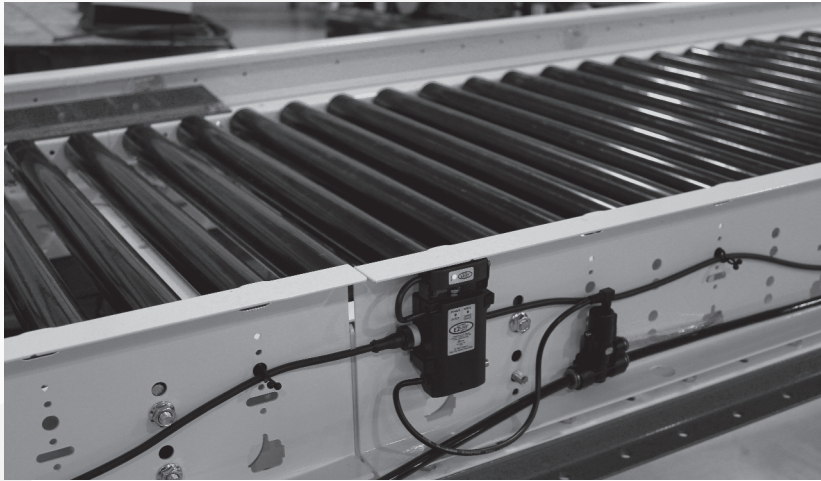
## 199-PVE24EZ 25-PVE24EZ

Models 199-PVE24EZ and 25-PVE24EZ use Hytrol's E24™—24VDC motor and reducer to drive Poly-V Belt driven tread rollers. They are designed to handle cartons or pallets. Product can be accumulated in zones and released upon request. The model 25-PVE24EZ is designed for more heavy duty applications.

**190-RBE24EZ**  
**190-E24SBEZ**



The model 190-RBE24EZ is a direct drive conveyor equipped with a series of Hytrol's E24™ 24-volt DC motors to drive the rollers. The 190-RBE24EZ is an automatic tracking and tension belted conveyor. Because of this, there are no manual tracking or tension adjustments needed.



## 190-GEZ

The model 190-GEZ is a gravity conveyor that is ideal for declines and maintaining control of product. It is equipped with EZLogic® for accumulation.





POWER DRIVE  
SLEEP DRIVE FAULT

HYDRAULIC  
**E7** LOGGING  
SERVO MOTOR

Manufactured in U.S. Patent  
#5,916,717; #6,143,711; #6,143,712  
Other patents pending

 Dodge  
300 South 10th  
Milwaukee, WI 53204

27 VDC Class 2  
Type CE, Power Line Only



**EZ**LOGIC®

