

WELCOME TO

HYTROL®



LEADS THE WAY

Company - Capabilities - Conveyors

©COPYRIGHT 2005 - HYTROL CONVEYOR COMPANY, INC.

BROCHURE NUMBER 548

WELCOME TO HYTROL

Thank you for your interest in Hytrol Conveyor Company, Inc. It is our privilege to welcome you with this brochure. We hope that the information contained herein will help you become familiar with our history, philosophy, capabilities, and products.



Hytrol Conveyor Company, Inc.
2020 Hytrol Drive
Jonesboro, Arkansas 72401
870.935.3700

Hytrol Conveyor de México S.A. de C.V.
Leona Vicario #701 B. Ofic. #7 • Col. La Purísima
Metepéc, México 52140
TEL. 722.270.9724/25

Visit www.hytrol.com to find your
Domestic or International Distributor

INDEX

COMPANY

Gives a history of and insight into Hytrol Conveyor Company.

CAPABILITIES

Discusses Hytrol's features and services, including special conveyors and system overviews.

CONVEYORS

Serves as an introduction to the Hytrol Line of conveyors and accessories.

WELCOME TO

HYTROL®

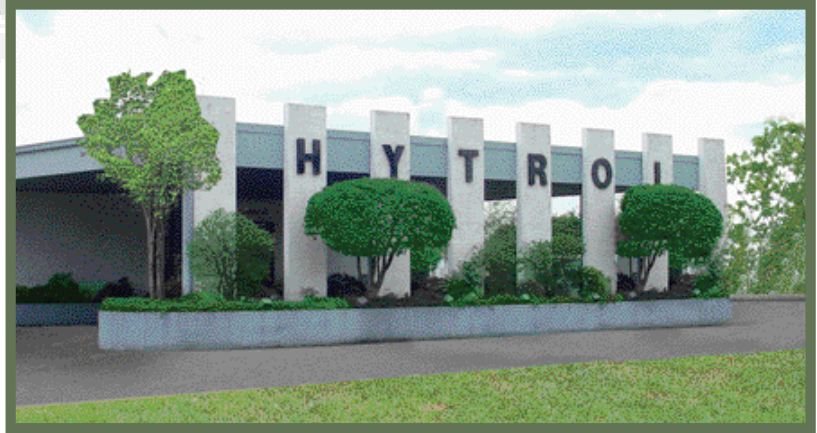


LEADS THE WAY

Company

COMPANY OVERVIEW

WHAT IS HYTROL?



Hytrol is a major manufacturer of conveyors, conveying systems, and conveyor accessories. Since its beginnings in 1947, Hytrol has grown into one of the largest manufacturers of conveyors and conveying hardware in the world.

One of the factors that has contributed to Hytrol's steady progress is the belief in the local Hytrol Distributor. Throughout its growth, Hytrol has sold conveyors through a nationwide, independent Distributor network. Our Distributor Network is entrenched in both the United States and abroad, with International Distributors representing multiple countries. A large part of our growth comes from adhering to the belief that only distributors can offer the local presence, the on-site expertise, and the instant service today's industrial customers require. It is no wonder that Hytrol is one of the world leaders in the conveyor industry.

Hytrol conveyors are designed with standard components and interchangeable parts. They can be applied to many different material handling situations without special engineering.

Fast conveyor shipments are another vital part of Hytrol's business concept. Hytrol originated the "24-Hour" conveyor shipment in 1964. This often copied but never equaled service means that all standard Hytrol conveyor models are available for shipping within 24 hours, or we pay the freight! (Applicable to terms and conditions.)

IN THE BEGINNING



Hytrol was founded at West Allis, Wisconsin, in 1947 by the late Tom Loberg when a friend talked him into designing and building a conveyor for handling grain and seed. The conveyor was such a success that in a short time others wanted a Hytrol conveyor. Tom was soon designing and manufacturing several types of conveyors for the feed, seed, and grain handling industry. The company quickly added other types of conveyors to its inventory such as horizontal belt, roller, and gravity units. Tom began selling Hytrol conveyors through distributors located throughout the United States. It was his commitment to Hytrol's early distributor network that proved this marketing method worked best. Tom always said that Hytrol was in the business of manufacturing conveyors and the distributors were in the business of selling them. By working closely with the distributors, Hytrol formed a unique three-way partnership between the company (Hytrol), the distributor, and the customer. Hytrol began marketing conveyors in 1947 using this philosophy and it has never wavered.

INTERNATIONAL



Since our first shipment bound for international markets decades ago, Hytrol's international presence continues to grow. With International Distributors located throughout Canada and Mexico, as well as Central and South America, the Caribbean and Asia, Hytrol continues to explore and open new markets. Since its inception, Hytrol has been fiercely dedicated to its customers by representation through a vast 'Family' of domestic and international distributors. These superior companies (Authorized Distributors), skilled in all the details and aspects of Hytrol Conveyor, represent Hytrol at the local level. This local contact, along with Hytrol's commitment to quality and service, is the basis of our success.

For these reasons our customers all over the world have come to trust in the Hytrol Brand. Hytrol's many years of dedication to performance and service at the local level are unparalleled. Customer satisfaction and successfully implementing each solution; whether it be a single unit or multi-million dollar system, define our success. Our attention to detail and empathy for the customers' needs are well-known.

Hytrol's reputation and international presence continue to grow because our time-tested commitment to getting the job done right and making sure we are there for our customers is a simple recipe for success. Whether installing conveyor in Buenos Aires or Mexico City, our customers understand that a dedicated team of engineers, craftsmen and solution providers stand behind our good name. Our repeat customers' list speaks for itself.

STOCKYARD



Another Hytrol innovation was the opening in 1964 of the first conveyor Stockyard. The Stockyard is a success story in itself. It grew out of another concept when Hytrol became the first conveyor manufacturer to offer guaranteed 24-hour shipping service on standard conveyor models. The industry was shocked when Hytrol announced this service. Hytrol President Gregg Goodner summed up the importance of this unique program: "Conveyor users are often under tight schedules, and the availability of equipment with quick shipments is critical to the success of their projects."



Hytrol Stockyard Policy:

- All orders received up to 2:00pm (CT) are scheduled the next working day (24 hours later)
- Orders received after 2:00pm (CT) count as the next day's orders and are scheduled accordingly
- If the Hytrol Stockyard ships late (regardless of the size of the order)...Hytrol pays the freight! (Except for delays due to acts of nature, carrier work stoppage, etc.)

• • • •

Hytrol reports its on-time shipping schedule on a quarterly basis. Copies are available on request.

TECHNOLOGY CENTER



In 1992, Hytrol built a 13,500 square foot Technology Center. It was built to focus on developing products that would meet the growing demands of its customers and expand Hytrol's product line into other markets. In 1997, the Technology Center was expanded to 27,000 square feet, providing more space for product development. The products that have been developed here have helped to provide diversity and in some instances have completely revolutionized conveyor operation.

Many of the Technology Center's innovations are serving customers by reducing noise and maintenance while providing increased throughput and reliability. One such product is Hytrol's EZLogic™ Accumulation System. EZLogic™ totally changed and enhanced the feature set available on zero pressure accumulation conveyors making them quieter, more reliable and more flexible.

Another technological advancement took place with development of Hytrol's EZDrive system. This was first conceived to reduce maintenance and energy consumption on chain driven pallet conveyor while adding many enhanced operational features to benefit the user.

Hytrol has developed many sortation products serving a variety of customer needs. From the ProSort family of sorters, designed for high-speed distribution centers, to the SweepSort for small item sortation, the Technology Center has designed the right solution.

Integrated conveyor control solutions are also designed and built at Hytrol's Technology Center. Products have been developed to provide state of the art control for sorting, combining, or gapping cartons.

On-going product developments will ensure that Hytrol's product line will continue to Lead the Way.

WELCOME TO

HYTROL®



LEADS THE WAY

Capabilities

CAPABILITIES

PRODUCT TESTING



Hytrol Conveyor Company offers free product testing on our conveyors. Are you unsure about your product's conveyability? Let us test and video your product moving on a Hytrol line. We can videotape it on a variety of conveyors, both roller and belt. We can also test it with push-offs, sorters, and other accessories. Please contact your local distributor to discuss the details and your application.

SPOTLIGHTS



Spotlights are information pieces for new Hytrol products. Each Spotlight includes a basic description of the product, as well as product features and application information. To make sure our customers have the most accurate and up-do-date information, these Spotlights were introduced as an electronic library that can be found on hytrol.com. As new products are released, new Spotlights are made available.



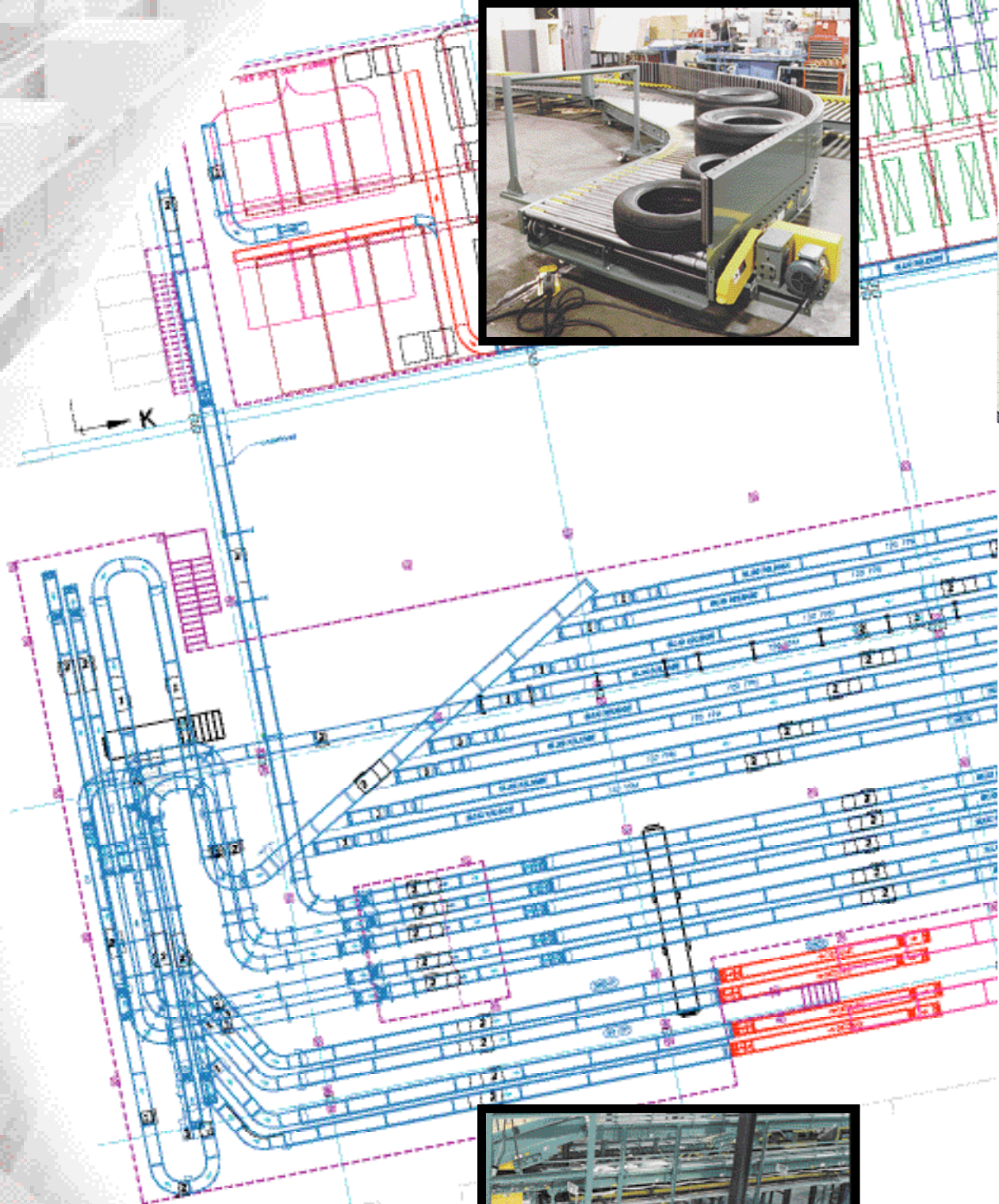
Hytrol continues to lead the way in the online arena. Hytrol.com is continually updated and improved through revisions and enhancements. The site currently offers the latest downloadable Installation & Maintenance Manuals, new product Spotlights, customer profiles, and standard and special solutions as well as a bilingual section for our Latin American market. By having our own in-house material handling personnel updating and monitoring hytrol.com, we have both the on-hand ability to keep the site up to date, and the knowledge and insight to share the most pertinent information.

LITERATURE

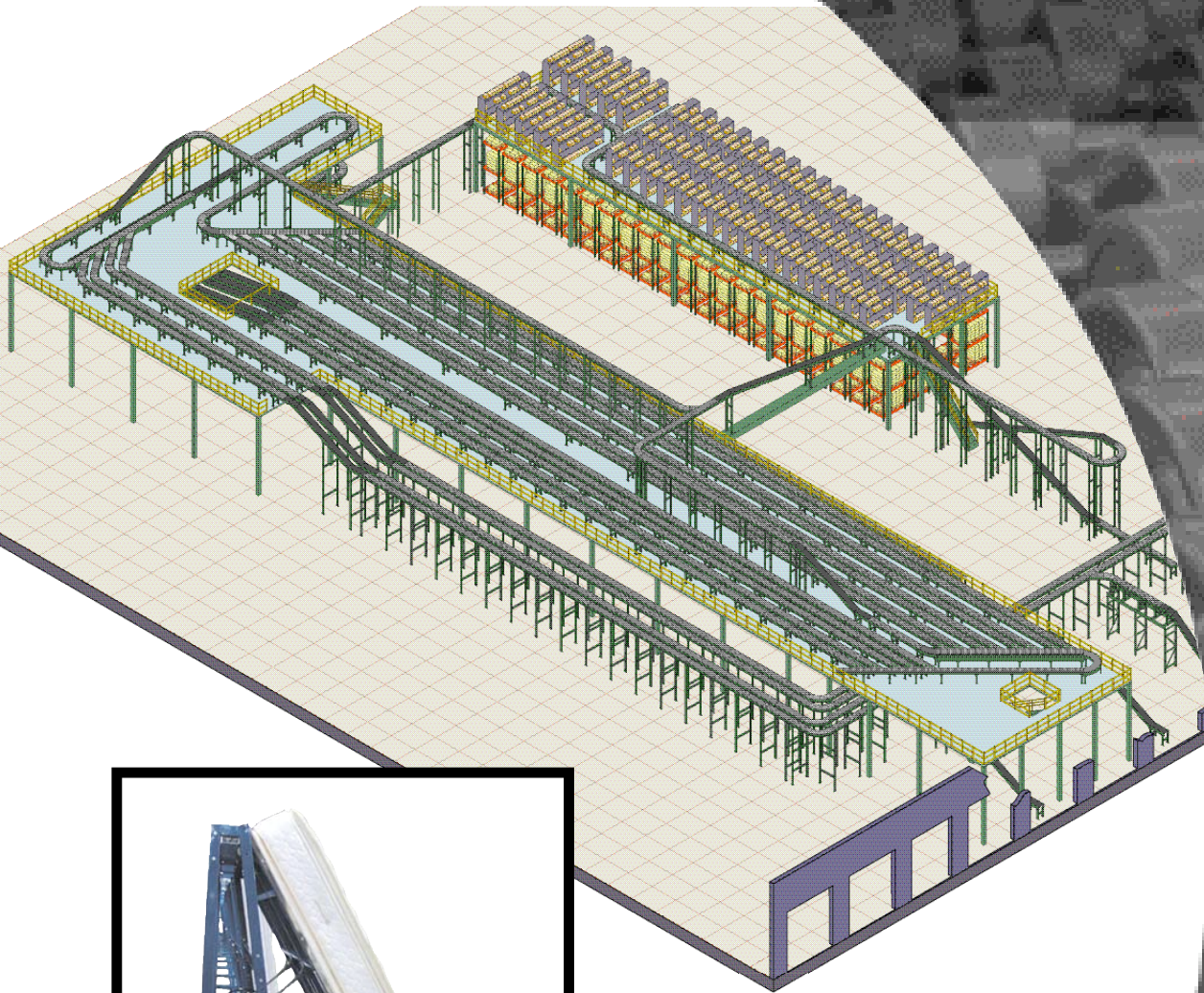


Hytrol offers a wide array of supportive and informative literature for our distributors and their customers. Whether offered on-line as a PDF or requested personally, Hytrol can supply you with the information you're looking for.

SYSTEMS & SPECIALS



SYSTEMS & SPECIALS



From special conveying situations for non-conventional products to updating and integrating the latest conveyor technology, Hytrol can customize conveyors and systems to meet your specific needs.



CAPABILITIES

SYSTEMS

NAICS:
42248

Fresh Fruit and
Vegetable
Wholesalers



SIC: 5148

Fresh Fruits and
Vegetables



Ref. FO#710282-710317
and FO# 711122-711137

SYSTEMS

NAICS: 316213

Men's Footwear (Except Athletic) Manufacturing



SIC: 3143

Men's Footwear (Except Athletic)

Ref. FO#631262-631267

CAPABILITIES

SYSTEMS

NAICS:
44815

Clothing Accessories
Stores



SIC:
5600
Apparel and
Accessory
Stores



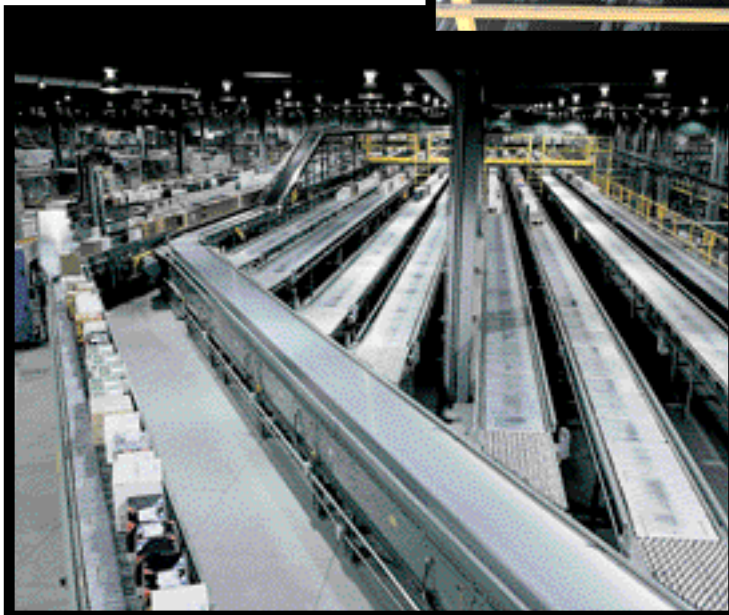
Ref. FO#37237-37270
and FO# 738677-738713

SYSTEMS



NAICS:
42282

Wine and Distilled
Alcoholic Beverage
Wholesalers



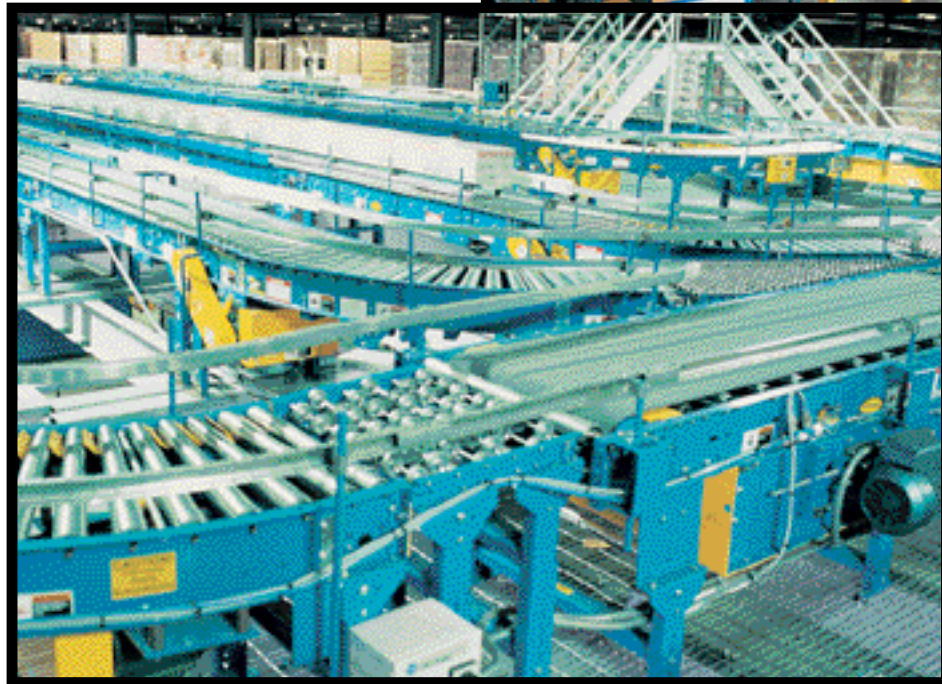
SIC:
5182

Wine and
Distilled
Alcoholic
Beverages

SYSTEMS

NAICS:
332214

Kitchen Utensil, Pot,
Pan Manufacturing



SIC:
3469

Kitchen Utensils
and Pots and
Pans for
Cooking



Ref. FO#779247-779297

SYSTEMS



NAICS:
313113
Thread Mills (pt)



SIC: 2299

Textile Goods, NEC

Ref. FO#764834-764842
and FO#878946-878948

SYSTEMS

NAICS:
311611
Food Manufacturing



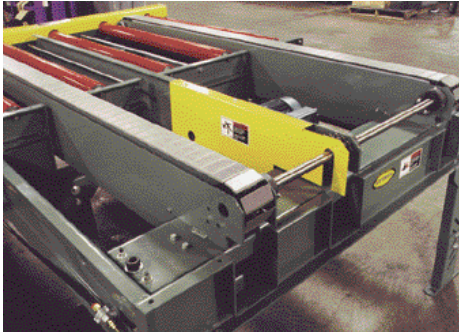
SIC:
2011
Meat Packing
Plants



Ref. FO#716722-716926

SPECIALS

Pneumatic Chain Transfer

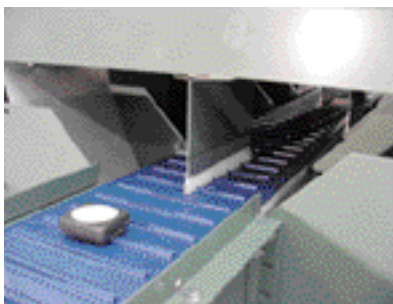


This special pneumatically operated chain transfer is used to move various sizes of pre-formed panels from one conveyor line to another. Product is cycled through the unit one time per minute.



Ref. FO#603755

SweepSort Small Item Sorter



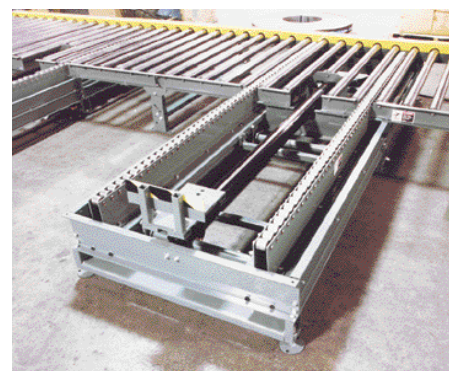
Hytrol's special SweepSort small item sorter can accurately track and literally "sweep" problematic items such as round objects at rates up to 140 items per minute. This sorter utilizes a composite modular cleated belt with a sweep mechanism that allows previously nonconveyable items to be sorted in stations as close as 12 inches apart (centerline to centerline). Some typical products conveyed include: cosmetics, pharmaceuticals, automotive parts, office supplies, electronics components and more.

SPECIALS

Pop-up Gravity Roller Transfer with Pneumatic Puller

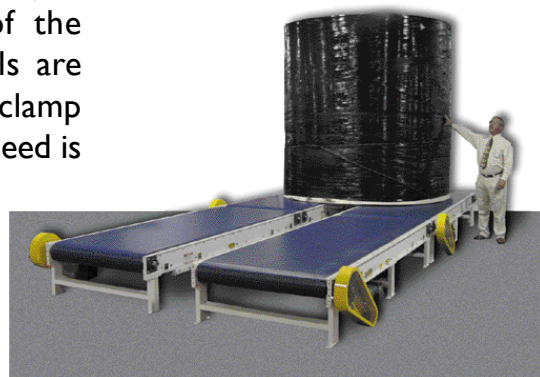
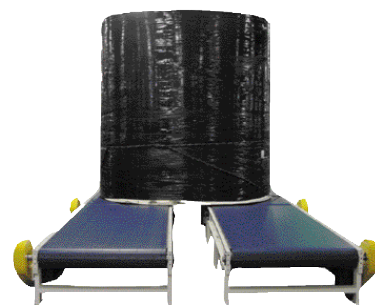
Two strands of gravity are mounted on 30 in. centers inside a Model 25-CRR conveyor. The strands are extended beyond the frame 60 in. and are used as a palletizing station. The elevation is set at 18 in. top of roller. The transfer raises a 40 in. x 48 in. wide pallet up to 2,000 lbs. in weight. There are six transfers mounted on 8 ft. centers within 55 ft. of conveyor.

Ref. FO#591860



Heavy Duty PSB Plastic Belt Conveyor

Rolls of raw material used in the manufacture of paper towels are moved on special slider-pan design belt conveyors. The conveyors are mounted side by side on one leg of an upender. At the end of the accumulation line, the rolls are picked up by a squeeze clamp fork truck. Conveying speed is 30 FPM.



Ref. FO#734253

SPECIALS

I90-LRS with Cart Base and Roller Guard Rail

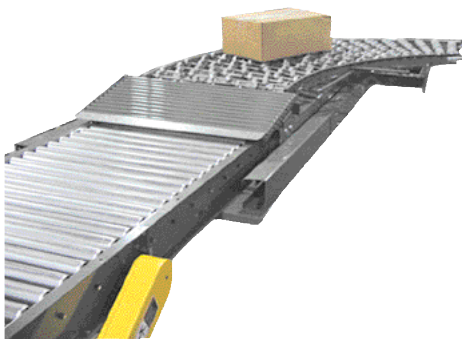


This unit was designed to convey aircraft tires. The tires travel down the I90-LRS spur and are diverted onto a Model 25-CRR. The spur is composed of rollers mounted in special guard rails on the outside radius. These special guard rails extend across onto the CRR. The spur is maintained "uniform" with the CRR with V-groove casters which move across the CRR chain guard. A push handle on the spur allows the operator to freely move the spur/cart from various lines.

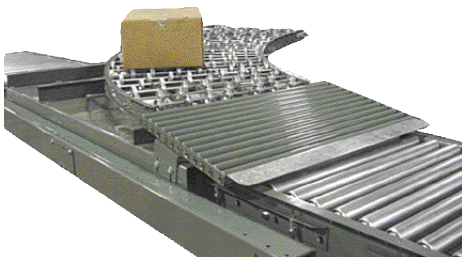


Ref. FO#592721 and FO#592724

Transversing Skatewheel Curve



Ref. FO#752468



The special skatewheel curve is attached to the discharge end of an existing belt unit which travels via track sideways (Perpendicular to the direction of flow). The skatewheel curve turns the product flow 90 degrees and provides transition onto a Model I90-ACC. A special channel is mounted outside the I90-ACC section which provides support and guarding for the casters while maintaining curve relation to I90-ACC.

Laydown Device

The laydown device is used to lower box springs from a standing position onto a 190-ACC conveyor. The product is conveyed onto the laydown device in the vertical position by means of an inclined RB and a UHMW dogbone lined A-frame structure. Once the product arrives at the device, the RB stops and the pivot frame is lowered by air cylinders into a 190-ACC conveyor which carries the box springs away.



Ref. FO#699841

Pneumatic “Kick-Out” Device

Mattresses are conveyed upright laying against wearstrip bars on a Hytrol Model ACC conveyor. Once a mattress is in position on the “kick-out” device, the air cylinders are activated which pushes the bottom of the mattress off the main conveyor line onto three Model RB roller bed conveyors equipped with rubber roughtop belts. The RB conveyors pull the mattress allowing it to slide down the stainless steel “kick out” device into a flat position where it is conveyed away on another line.



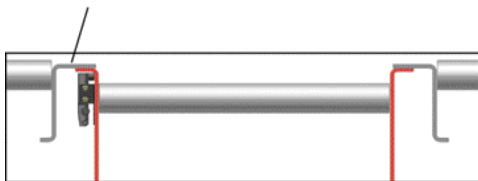
Ref. FO#792232

SPECIALS

Tri-Lane O-Ring Transfer



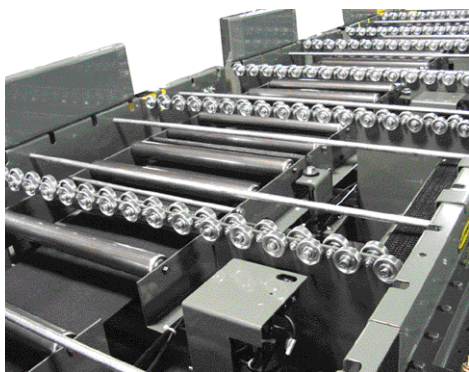
Available with center transfer set low and feed conveyor having overlapping side channel.



Hytrol's Tri-Lane O-Ring Transfer provides flexible transfer of product to side lanes by diverting to the right or left at 90 degrees. The module houses three transfer mechanisms that work independently to increase throughput. The transfer module was designed to take the place of multiple transfers sitting side by side. The module was also designed with individual transfers to speed cycle rate by reducing the length of one conveyor-to-conveyor transfer.

Ref. FO#957851

Bank of Transfers



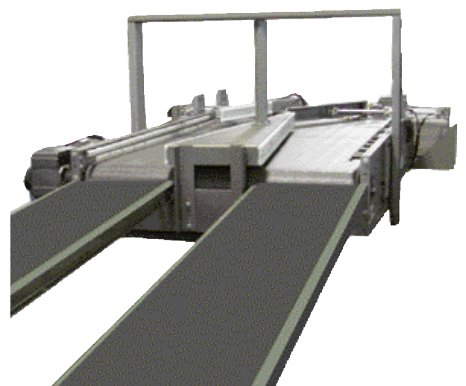
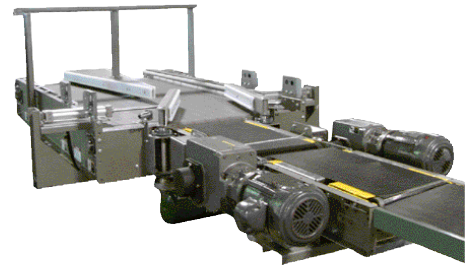
This special is a Hytrol Model 25-CREZ equipped with 2-strand pivot type skatewheel transfers. It was designed to handle and transfer bundles of banded cardboard. The product is conveyed down accumulation gravity into the skatewheel transfers, one bundle at a time. Once product is on the skatewheel transfer, it is lowered down and accumulated normally on the 25-CREZ. The CREZ feeds a chain transfer.

NOTE: Rollers had not yet been installed on the CREZ when photos were taken.

Ref. FO#799090

Lane Selector System

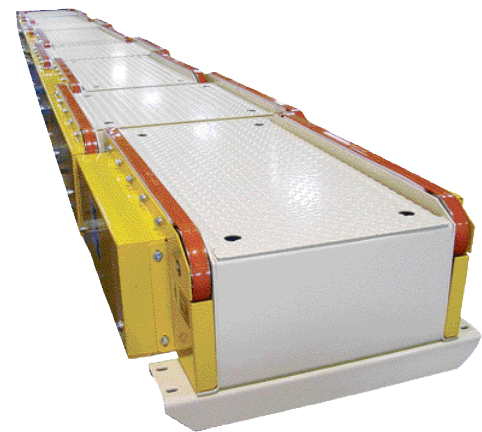
This lane selector system was designed to accommodate 24-count sealed beverage cases. Full 24 count beverage cases are fed from an existing case conveyor line into the Hytrol special 2 drive Gapper at a rate of 60 cartons per minute in a back-to-back condition. The Gapper has a 3:1 speed gap ratio and pulls a two case length gap between cases. The spaced cases enter the center of the Hytrol 50 in. wide plastic belt lane selector table which is complete with a two position parallel arm plow. The plow diverts 5 cases to one side, shifts, and diverts 5 cases to the other side. The Plow shifts 12 times per minute for a total throughput rate of 60 cases per minute.



Ref. FO#779335
and FO#779336

V-Belt Accumulating Conveyor

This special was conceived for accumulation of products during progressive assembly and prior to product being transferred onto a main conveyor line. A conveyor was needed that would allow complete separation between products. Each module is fitted with its own drive that is controlled by photo eye. Modules are started and stopped as needed to advance the line, much like a zero-pressure conveyor equipped with the singulation feature. Drives are shaft mounted gearmotors.



Ref. FO#735931

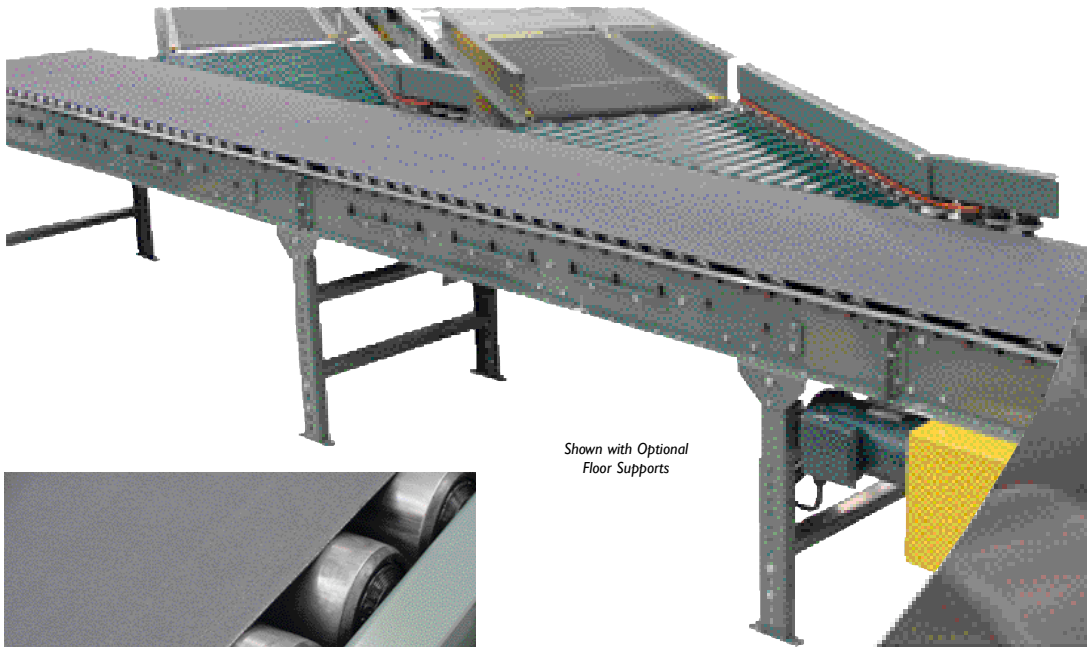
TECHNOLOGICAL ADVANCES

Expressway Belt Sawtooth Merge

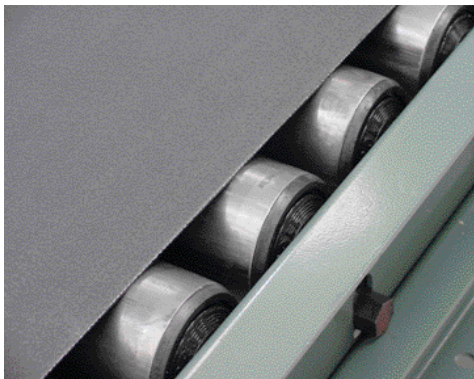


Hytrol's Expressway belt sawtooth offers an all new concept in sawtooth merges. It consists of a belt-over-roller design. The rollers extend beyond the belt into the "tooth" where their diameter is increased. This increased diameter allows merging cartons to transition onto the belt. The tooth also contains a powered guide rail to positively convey merging product through the "tooth" area.

The Expressway is modular in design, allowing it to be easily configured for your particular requirements.



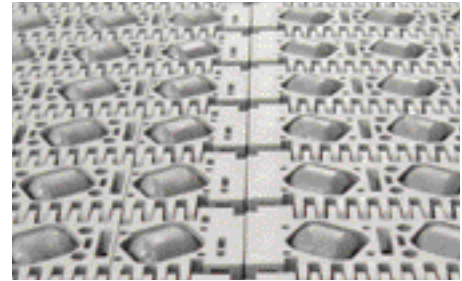
*Shown with Optional
Floor Supports*



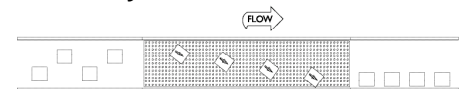
TECHNOLOGICAL ADVANCES

Model ART Angled Roller Top Plastic Belt Conveyor

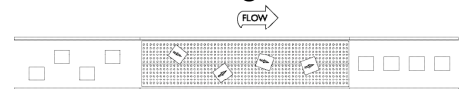
Hytrol's Model ART is a uniquely-designed modular plastic belt conveyor. The modular belt is unique in that it is fitted with rollers having diameters extending through both the top and bottom surfaces of the belt. As the belt is moved along the conveyor, these rollers rotate and convey the load at a higher speed than that of the belt. Furthermore, these rollers are positioned at an angle to the belt length so as to convey the load angularly to the conveyor length. This enhanced speed and angular product flow on the Model ART makes it the ideal conveyor for many material flow challenges.



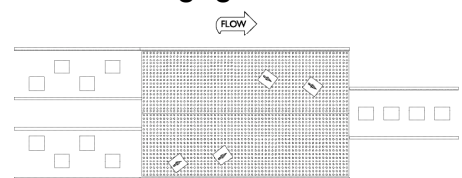
Product Justification



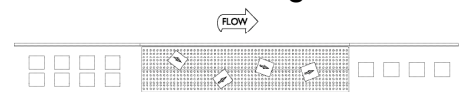
Product Centering



Product Merging



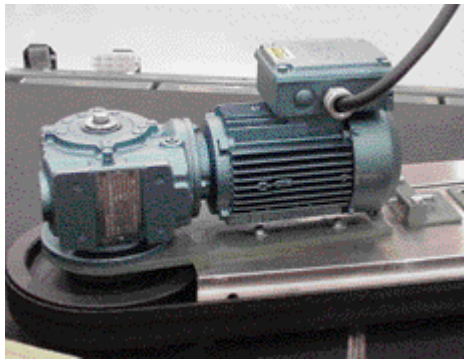
Product Descrambling



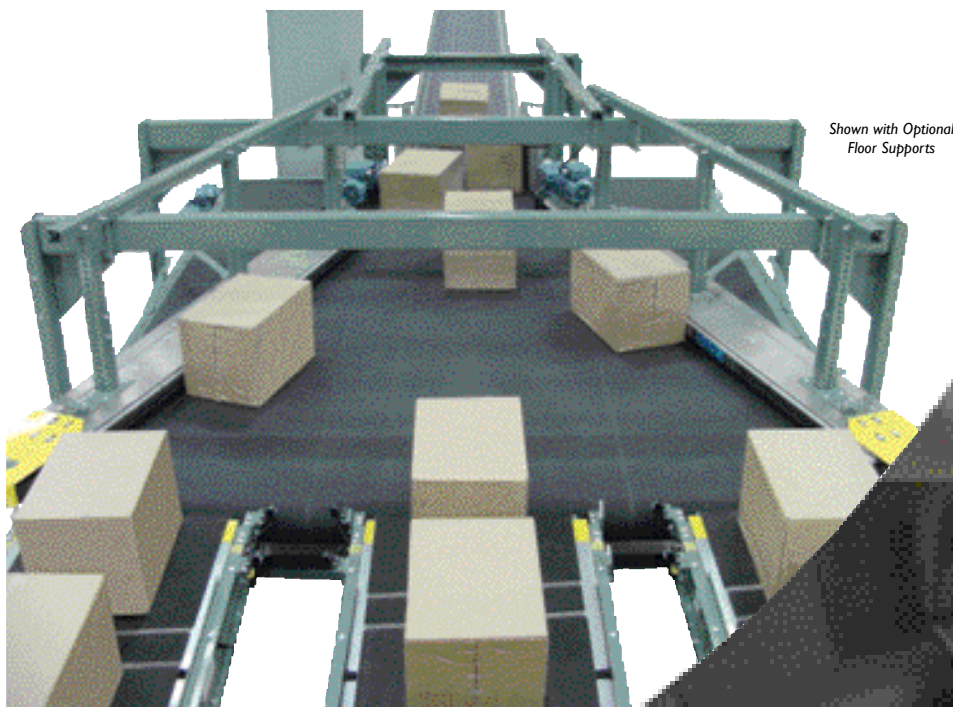
*Shown with Optional
Floor Supports*

TECHNOLOGICAL ADVANCES

Model Zipper Wide Belt Merge



Hytrol's Zipper is a wide belt conveyor fitted with fixed belt plows for the purpose of merging cartons from multiple parallel lines. The conveyor utilizes a unique belt type designed for tracking on a low length-to-width ratio. Also, tracking idlers are angled and skewed to properly position the belt on the pulleys. The plow structure is floor supported and spans the conveyor width. This structure is used to support the belt plows over the conveyor belt and near the belt for low profile cartons. The plow support is designed to allow adjustment of exact plow location. The conveyor and plows are direct driven with shaft mounted gearmotors and variable speed drives.



*Shown with Optional
Floor Supports*

CONTROLS

EZLogic™ Accumulation System

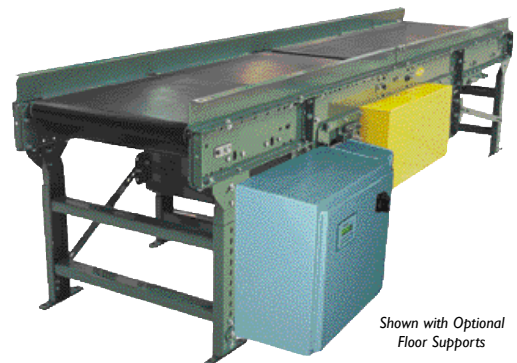
EZLogic™ modules are connected together down the length of the conveyor. When a product is detected in a particular zone, the information is communicated to the microprocessors upstream and downstream from the zone. The modules then work together to assure a smooth, efficient flow of material from end to end. A module that neither detects a product on the conveyor nor receives an input signal from an adjacent module automatically switches to “sleep mode.” In this mode, the module stops the zone from driving to reduce roller wear and ambient noise. Packages traveling down the conveyor “wake up” the zones as needed to move the material. The system provides both singulation and slug modes of operation to meet a variety of conveyor needs.



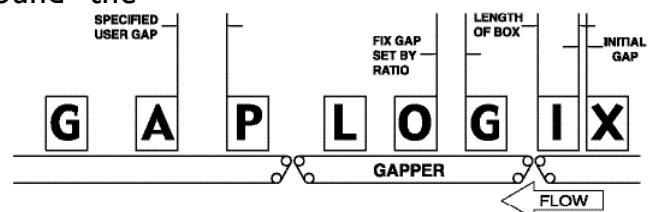
GapLogix Gap Control Package

GapLogix is a standard control package designed for Hytrol's Gapper. GapLogix will set a specific gap or pitch independent from product length.

GapLogix allows you to quickly and easily customize the controls reaction to your product and be up and running in a short time after installation. GapLogix is a proven control package that provides a consistent quality of performance from location to location around the world.



Shown with Optional Floor Supports



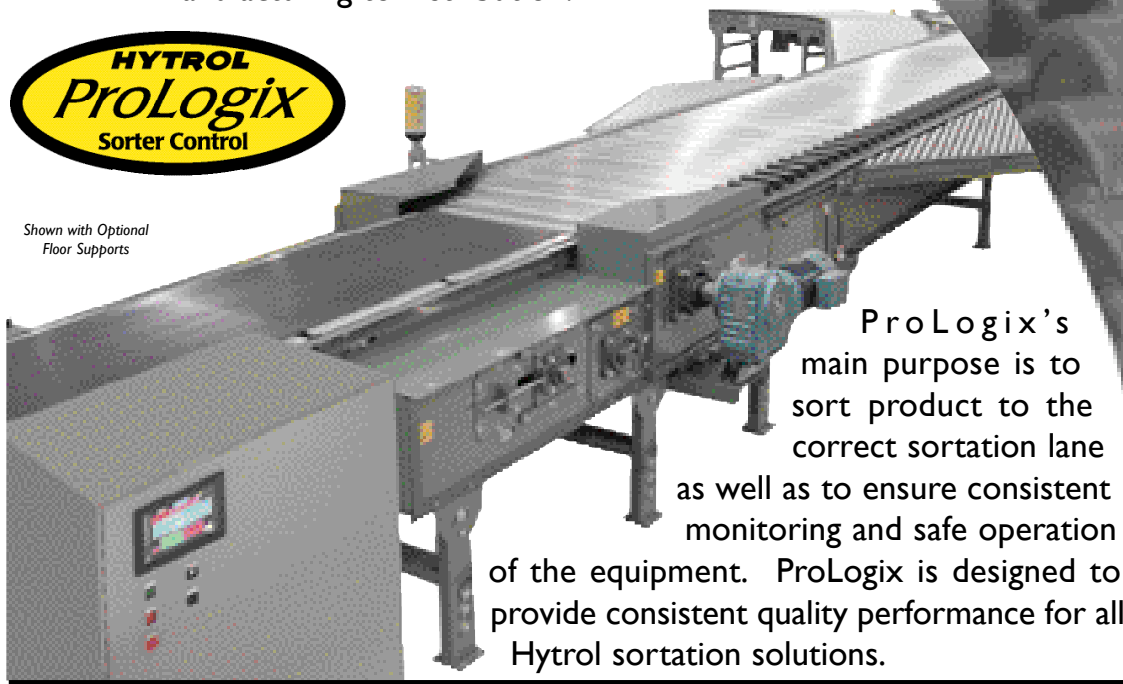
CONTROLS

ProLogix Sortation Control Package

ProLogix has been tested and proven in a wide variety of sortation applications from manufacturing to distribution.

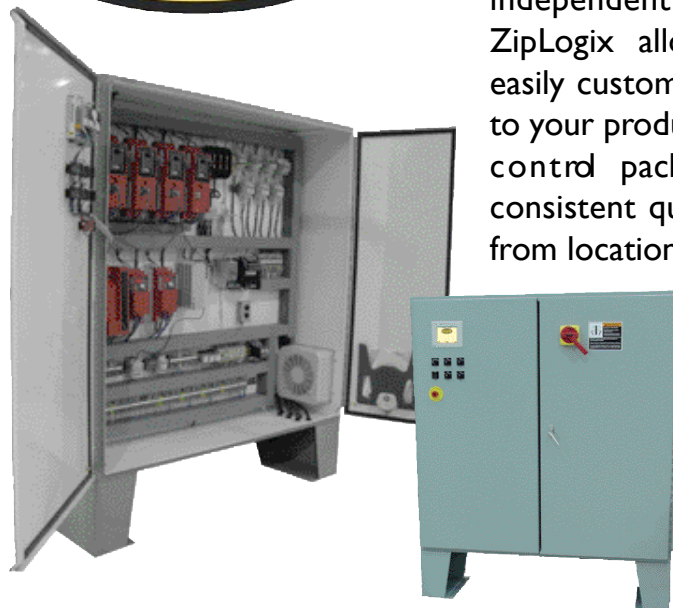


Shown with Optional
Floor Supports



ProLogix's main purpose is to sort product to the correct sortation lane as well as to ensure consistent monitoring and safe operation of the equipment. ProLogix is designed to provide consistent quality performance for all Hytrol sortation solutions.

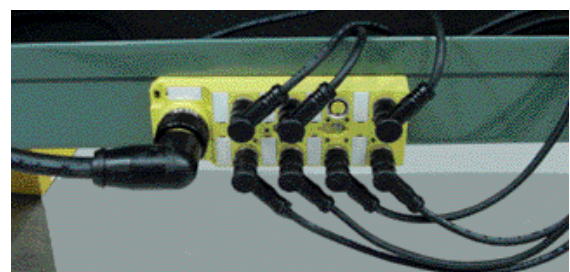
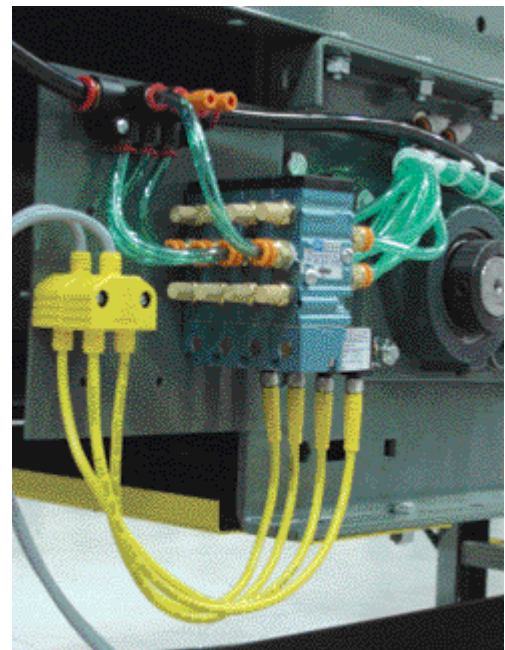
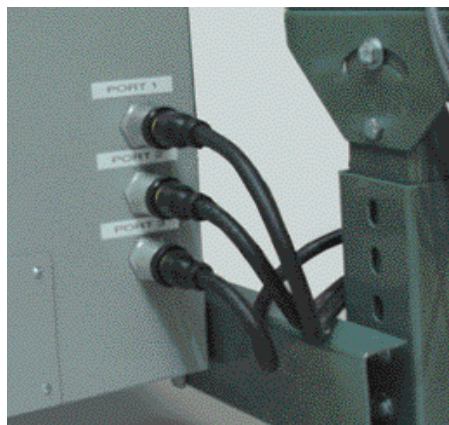
ZipLogix Standard Control Package



ZipLogix is a standard control package designed for 2 to 1, 3 to 1, and 4 to 1 combiners. ZipLogix will set a nominal gap independent from product length. ZipLogix allows you to quickly and easily customize the controls reaction to your product. ZipLogix is a proven control package that provides a consistent quality of performance from location to location around the world.

Plug-N-Go Control Wiring Solution

Hytrol's Plug-N-Go control wiring is designed for use with standard control solutions offered by Hytrol, such as ProLogix Sortation Control for the ProSort 100, ProSort 400, ViperSort, SC, and ZipLogix Merge Control. Plug-N-Go control wiring provides the advantages of network controls with the reliability of "hard-wired" solutions. All inputs and outputs on the sorter simply plug into the strategically-located distribution blocks along the sorter. These distribution blocks in turn are plugged into the sorter control panel via "home run" cables. This Plug-N-Go wiring solution provides quick installation, reduces field wiring costs, and provides a quicker, more trouble-free startup than conventional wiring methods.



WELCOME TO

HYTROL®

CONVEYORS



LEADS THE WAY

Conveyors

HYTROL'S FAMILY OF CONVEYORS



Look for the Stockyard logo next to
® specific conveyor model
photographs. The conveyor is
available for 24-hour shipment,
although possibly not in all sizes.

Orders for Hytrol conveyors may be placed through your local Hytrol Distributor. Check www.hytrol.com to find the Hytrol Distributor nearest you.



The restricted size of this catalog does not permit illustration or full description of every conveyor model in the Hytrol line. We have provided for your examination a representative sample of units, including many which are available for 24-hour shipment. For complete information, write or telephone your Distributor.

Hytrol's 24-Hour Shipping Schedule

Orders received up to 2 p.m. are scheduled the next work day (24 hours later). Orders received after 2 p.m. are next day orders and are scheduled accordingly. If Hytrol ships late, regardless of the size of the order, Hytrol pays the freight!*

*Applicable to certain terms and conditions

SLIDER BED

Model TA Medium Duty Belt Conveyor



*Shown with Optional
Floor Supports*



Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.

A very versatile conveyor, the Model TA can be used in many types of material handling situations such as assembly line operations, sorting, packing, and inspection. Conveyor sets up quickly and easily to save on installation time.

Model TL Heavy Duty Belt Conveyor



*Shown with Optional
Floor Supports*



Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.

The Model TL with its rugged, heavy-duty construction, is ideally used for long assembly line operations, inspections, testing, sorting, and packing. Conveyor can be floor supported or ceiling hung.

Model TR Troughed Bed Belt Conveyor



*Shown with Optional
Floor Supports*



Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.

The Model TR with built-in guard rails is ideal for overhead conveying applications. It easily conveys boxes, cartons, cases, bags, etc. as well as loose parts.

SLIDER BED

Model SB

Horizontal Belt Conveyor

The Model SB is ideally used for assembly line operations, inspections, testing, sorting, and packing.

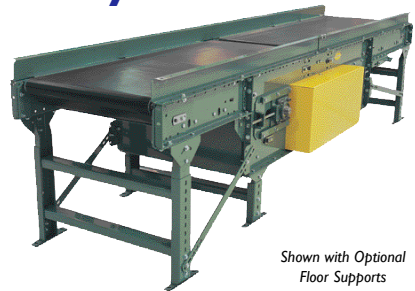


Contact your local Hytrol Distributor for sizes that ship in 24 hours.

Model GAPPER

Horizontal Belt Gapping Conveyor

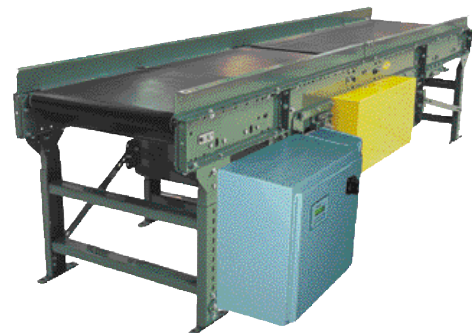
The Gapper may be applied in any conveyor system where gaps need to be placed between conveyed cartons. There are many applications for the Gapper, some of which include gapping products for sorting, and feeding items such as sawtooth merges and combiners.



Model GAPPER L

Horizontal Belt Gapping Conveyor

GapLogix is a standard control package designed for Hytrol's Gapper. GapLogix will set a specific gap or pitch independent from product length. GapLogix allows you to quickly and easily customize the controls reaction to your product and be up and running in a short time after installation.

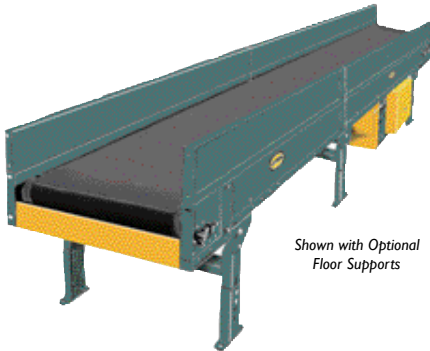


Shown with Optional Floor Supports



SLIDER BED

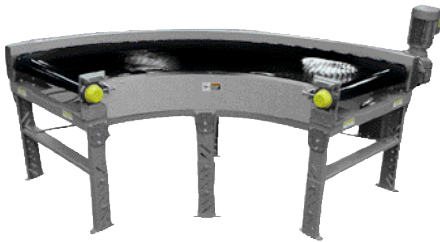
Model **TH** Horizontal Belt Conveyor



*Shown with Optional
Floor Supports*

Designed to handle empty cardboard boxes and paper trash.

Model **TSI500-100** Belt Curve Conveyor



*Shown with Optional
Floor Supports*

The Model TSI500-100 provides a positive flow of product by means of a belt, driven by tapered pulleys. Conveyor is versatile in that it can transport a wide variety of products. Available in 45°, 60°, 90°, and 180° turns.

Model **TSI500-140** Belt Curve Conveyor



*Shown with Optional
Floor Supports*

The Model TSI500-140 provides a positive flow of product by means of a belt, driven by tapered pulleys. Conveyor is versatile in that it can transport a wide variety of products. Available in 45°, 60°, 90°, and 180° turns.

ROLLER BED/LIVE ROLLER

Model RB

Horizontal Belt Conveyor (Roller Bed)

The Model RB is designed to move heavier unit loads. Roller bed design reduces belt friction and provides greater capacity. Applications include: assembly, inspection and packing operations



*Shown with Optional
Floor Supports*

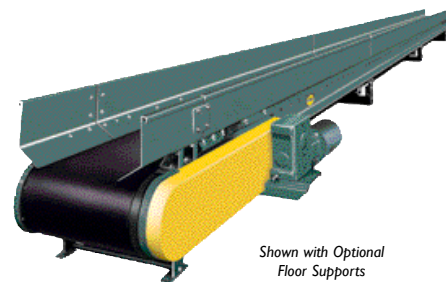


Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.

Model CRB

Horizontal Belt Conveyor (Troughed Roller Bed)

The Model CRB is ideally used in scrap handling and recycling operations. The roller bed with deep troughed construction can carry culled or broken glass, cans, wood chips, aluminum, steel and plastic samplings. The CRB is widely used in recycling operations as an "environmental conveyor."



*Shown with Optional
Floor Supports*

Model I90-LR

Horizontal Power Conveyor (Live Roller)

The Model I90-LR can be used for transferring or deflecting boxes, etc. onto or off of conveyor line. Live roller design also permits stopping or holding (not accumulating) cartons without stopping conveyor.



*Shown with Optional
Floor Supports*

LIVE ROLLER

Model **I 38-NSP**

Live Roller Conveyor (Spool Type)



Shown with Optional
Floor Supports

The Model I 38-NSP live roller spool conveyor is a general transport conveyor with the capabilities of accumulating products with back-pressure. Quiet operation, versatile design, easy installation and maintenance make the I 38-NSP conveyor a valuable component in operations requiring high performance with minimal downtime.

Model **I 38/I 90-NSPC, NSPS, NSPSS**

Live Roller Spool Curves and Spurs

The I 38 & I 90 Spool Curves & Spurs are designed to be slave driven from the I 38-NSP or I 90-NSP conveyor. Curves are used where turns in the conveyor line are necessary. Spurs are used in diverging and converging applications.

Model **I 90-NSP**

Live Roller Conveyor (Spool Type)



Shown with Optional
Floor Supports



Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.

The Model I 90-NSP live roller spool conveyor is a general transport conveyor with the capabilities of accumulating products with back-pressure. Quiet operation, versatile design, easy installation and maintenance make the I 90-NSP conveyor a valuable component in operations requiring high performance with minimal downtime.

CONVEYORS

ACCUMULATION - MINIMUM PRESSURE

Model I38/I90-ACC Horizontal Belt Conveyor

The simplest method devised for accumulating cartons, boxes, etc. Basic design eliminates complicated adjustments and allows a minimum of 2% back pressure.



Contact your local Hytrol Distributor for sizes that ship in 24 hours.

Model I38/I90-LRC Live Roller Curve Conveyor

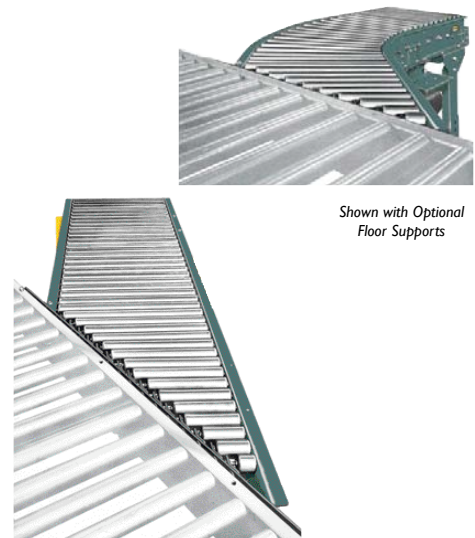
These models are light and medium duty, V-belt driven live roller 30°, 45°, 60°, and 90° curves. Tapered rollers assist in package orientation.



Contact your local Hytrol Distributor for sizes that ship in 24 hours.

Model I38/I90-LRS, LRSS Live Roller Spur Conveyors

The live roller spur conveyors are used in diverging or converging applications. They may be self-powered or can be slave driven from ACC or LRC conveyors.



ACCUMULATION - MINIMUM PRESSURE

Model I 90-ACZ

Horizontal Power Conveyor



The Model ACZ accumulates cartons, boxes, etc. Basic design eliminates complicated adjustments and allows a minimum of 2% back pressure.

ACCUMULATION - ZERO PRESSURE

Model I 38-NSPEZ

Horizontal Live Roller Conveyor



The Model I 38-NSPEZ is designed for Zero-Pressure Accumulation of product. Positive braking in each zone reduces the possibility of damage to fragile items during accumulation. Singulation feature allows products to be removed from any location on the conveyor.

Model I 90-NSPEZ

Horizontal Live Roller Conveyor



The Model I 90-NSPEZ is designed for Zero-Pressure Accumulation of product. Positive braking in each zone reduces the possibility of damage to fragile items during accumulation. Singulation feature allows products to be removed from any location on the conveyor.

ACCUMULATION - ZERO PRESSURE

Model I90-NSPEZC

Horizontal Live Roller Curve Conveyor

The I90-NSPEZC Curves are designed to be slave driven from the I90-NSPEZ Conveyor. Curves are used where turns in the conveyor line are necessary.

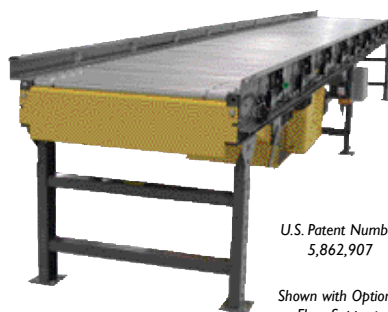


U.S. Patent Number
5,862,907

Model ABEZ

Horizontal Live Roller Conveyor

Hytrol's Model ABEZ consists of accumulation zones each of which contains an EZLogic® accumulation module. The accumulation modules sense product presence to determine whether the zone should be driving or accumulating. ABEZ conveyor lines, regardless of length, may be fully accumulated with product with absolutely zero back pressure at the discharge end or anywhere along the length of the conveyor.



U.S. Patent Number
5,862,907

Shown with Optional
Floor Supports



Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.

Model I90-PREZ

Powered Roller Conveyor

The Model I90-PREZ uses a series of 24 VDC motorized rollers to drive the tread rollers, eliminating the need for drive belts, chains, or line shafts. Quiet operation, as well as ease of maintenance, ease of installation, and modularity are just a few of the advantages of this model.



Shown with Optional
Floor Supports



Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.

ACCUMULATION - ZERO PRESSURE

Model **I 90-PREZC**

Powered Roller Curve Conveyor

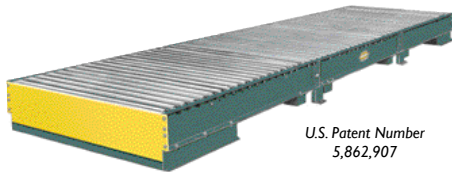


U.S. Patent Number
5,862,907

The I 90-PREZC Curves are designed to be slave driven from the I 90-PREZ Conveyor. Curves are used where turns in the conveyor line are necessary.

Model **25-LREZ**

Heavy Duty Zoned Accumulating Conveyor



U.S. Patent Number
5,862,907

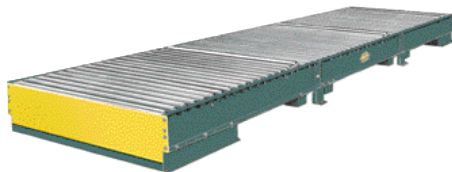
Shown with Optional
Floor Supports



The Model 25-LREZ is a belt driven live roller conveyor designed for use where zero-pressure accumulation, low elevation (12"), and close roller centers are required.

Model **25-LRA**

Heavy Duty Zoned Accumulating Conveyor



Shown with Optional
Floor Supports

The Model 25-LRA is a belt driven live roller conveyor designed for use where zero-pressure accumulation, low elevation, and close roller centers are required. The conveyor is also available in a non-accumulating model.

CONVEYORS

ACCUMULATION - ZERO PRESSURE

Model 199-CREZD

Medium Duty Zoned Accumulating Conveyor

The Model 199-CREZD is a chain driven live roller conveyor designed to handle loads such as pallets, drums, etc. Items are accumulated with zero back pressure, reducing the possibility of collisions that may result in product damage.



Shown with Optional Floor Supports

U.S. Patent Number
6,860,381
5,862,907



Model 25-CREZD

Heavy Duty Zoned Accumulating Conveyor

The Model 25-CREZD is a chain driven live roller conveyor designed to handle loads such as pallets, drums, etc. Items are accumulated with zero back pressure, reducing the possibility of collisions that may result in product damage.



Shown with Optional Floor Supports

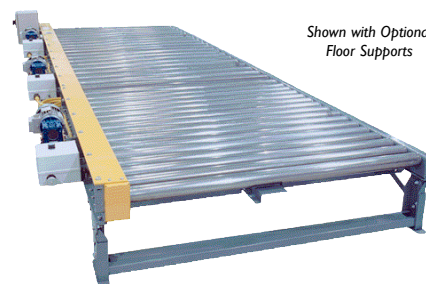
U.S. Patent Number
6,860,381
5,862,907



Model 36-CREZD

Heavy Duty Zoned Accumulating Conveyor

The Model 36-CREZD is a chain driven live roller conveyor designed to handle loads such as pallets, drums, etc. Items are accumulated with zero back pressure, reducing the possibility of collisions that may result in product damage.



Shown with Optional Floor Supports

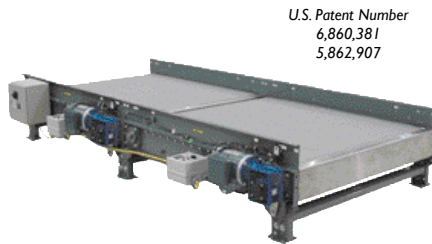
U.S. Patent Number
6,860,381
5,862,907



ACCUMULATION - ZERO PRESSURE

Model PLEZD

Heavy Duty Zoned Plastic Belt Conveyor



U.S. Patent Number
6,860,381
5,862,907



Shown with Optional
Floor Supports

The Model PLEZD is a heavy duty plastic belt accumulation conveyor that utilizes the dependability of the plastic belt to convey loads considered nonconveyable with conventional roll-to-roll conveyor, such as flexible plastic pallets, footed pallets and mis-oriented conventional wooden pallets.

Model DCEZ-60

Heavy Duty Zoned Accumulating Conveyor



Shown with Optional
Floor Supports

U.S. Patent Number
5,862,907

The Model DCEZ-60 is a two-strand drag chain conveyor designed to handle pallets. With EZLogic™ accumulation module, pallets are accumulated with zero back pressure reducing the possibility of collision that may result in product damage.

Model DCEZ-63

Heavy Duty Zoned Accumulating Conveyor



Shown with Optional
Floor Supports

U.S. Patent Number
5,862,907

The Model DCEZ-63 is a three-strand drag chain conveyor designed to handle pallets. With EZLogic™ accumulation module, pallets are accumulated with zero back pressure reducing the possibility of collision that may result in product damage.

ACCUMULATION - ZERO PRESSURE

Model CCEZ Drag Chain Conveyor

The Model CCEZ is a horizontal plastic belt conveyor designed for accumulating 12 & 24 packs of canned beverages where high speeds and large throughputs are required.



U.S. Patent Number
5,862,907

Shown with Optional
Floor Supports



CHAIN ROLLER

Model 199-CRR Chain Driven (Roller-to-Roller) Conveyor

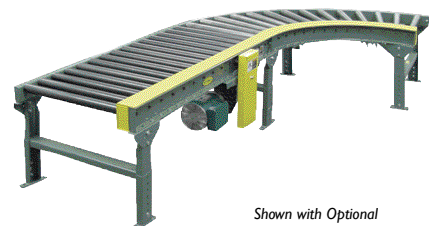
The Model 199-CRR is a medium duty chain driven roller conveyor used for conveying in a variety of industries. The 199-CRR produces a positive drive that aids in many manufacturing processes.



Shown with Optional
Floor Supports

Model 199-CRRC Chain Driven (Roller-to-Roller) Curve

The Model 199-CRRC is a chain driven live roller curve that aids in alignment of packages, cartons, etc., through 30°, 45°, and 90° curves. Can be used in conveying oily parts.



Shown with Optional
Floor Supports

CHAIN ROLLER

Model 25/26 CRR

Chain Driven (Roller-to-Roller)



Shown with Optional Floor Supports

The heavy design of the 25/26-CRR allows it to be used for conveying higher load capabilities such as loaded pallets and drums. Chain driven rollers make it ideal for conveying oily parts in bottling and steel industries.

Model 25/26 CRRC

Chain Driven (Roller-to-Roller) Curve

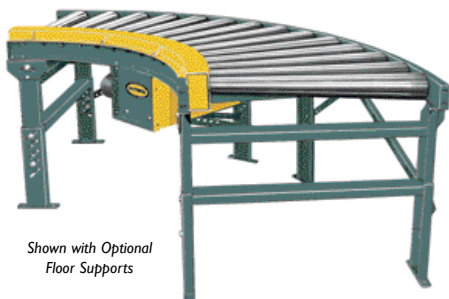


Shown with Optional Floor Supports

The Models 25/26-CRRC are chain driven live roller curve conveyors. They are commonly used in conjunction with the 25/26-CRR conveyor to carry heavy unit loads such as pallets and drums.

Model 25-CRRCT

Chain Driven (Roller-to-Roller) Tapered Roller Curve



Shown with Optional Floor Supports

The Model 25-CRRCT is a chain driven live roller curve conveyor. It is commonly used in conjunction with the 25/26-CRR conveyor to carry heavy unit loads such as pallets and drums.

CHAIN ROLLER

Model 36-CRRH Heavy Duty Chain Driven (Roller-to-Roller) with Hex Shaft

The Model 36-CRRH is a heavy-duty chain driven roller conveyor. Its tough, rugged design provides service under demanding manufacturing operations. The 36-CRRH is for conveying heavy pallets and drums.

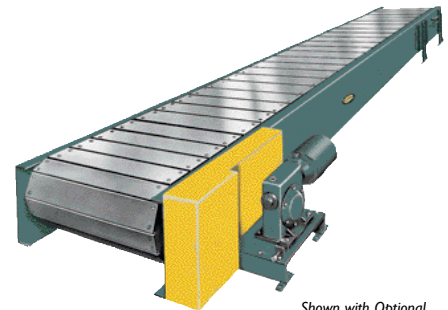


*Shown with Optional
Floor Supports*

MISCELLANEOUS

Model SL Heavy-Duty Horizontal Slat Conveyor

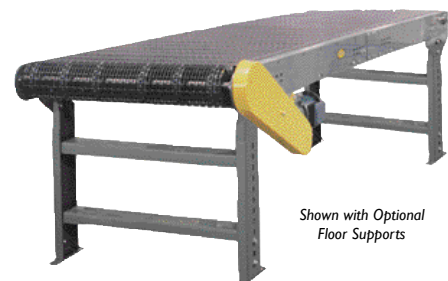
The Model SL steel belt slat conveyor is rugged in design providing lasting, dependable performance. It can be used to convey hot, oily parts or to move items through heat drying processes. It can also be used for assembly line and production operations.



*Shown with Optional
Floor Supports*

Model TW Horizontal Wire Mesh Belt Conveyor

The Model TW with wire belt can carry hot or cold parts from ovens or freezers. Can be used in drying operations.

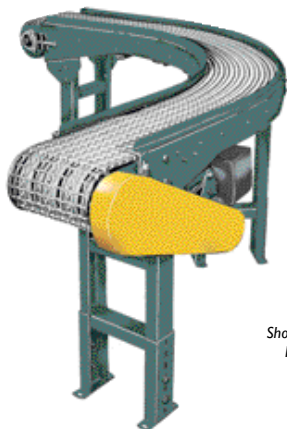


*Shown with Optional
Floor Supports*

MISCELLANEOUS

Model WC

Wire Mesh Power Curve Conveyor



*Shown with Optional
Floor Supports*

A wire mesh belt curve is also available and can be used in conjunction with the Model TW.

Model PSB/PSBC

Plastic Belt Conveyor



*Shown with Optional
Floor Supports*

The Model PSB, with modular plastic belting, uses a positive drive system to eliminate belt slippage and mistracking. The Model PSBC, a plastic belt curve conveyor, is also available and can be used in conjunction with the Model PSB.

HYTROL

FEATURE - POWDER PAINT

Dark Blue
(100.2203)

Beige
(100.6703)

Black
(100.7100)

White
(100.5003)

Gray
(100.8112)

Hytrol

Stockyard

ship

colors

Conveyor models available for 24-hour shipping from the Hytrol Stockyard are now available for one-week shipment in any of the five optional powder paint colors. Orders will be shipped within one week from date order is entered. Available colors are listed at left.

SORTATION

Model ProSort 400

Heavy Duty Sliding Shoe Sorter

Hytrol's ProSort 400 is designed for high speed applications where product diverting needs to be both positive and gentle. Products are transported on anodized aluminum slats where at a predetermined location, divert shoes move diagonally across the conveyor to push the product onto a take-away conveyor. The ProSort 400 may be configured for diverting products to the right hand or left hand side of the sorter. Also it may be configured for diverting at 30 degrees where close divert centers are important or 22 degrees where high speed is required.

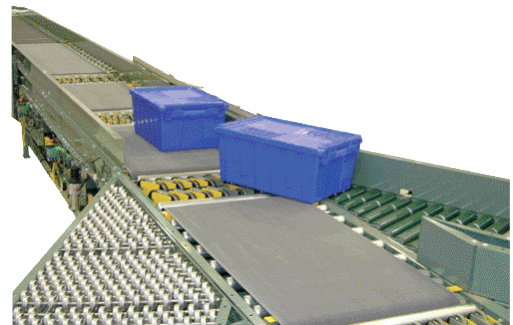


Shown with Optional Floor Supports

Model ProSort SC 1&2

Horizontal Belt Sortation Conveyors

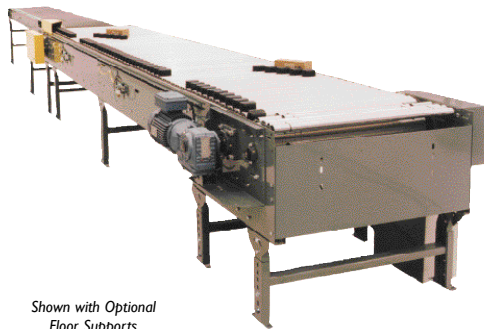
Hytrol's Model ProSort SC series of sorters consists of a belt conveyor fitted with divert modules that are powered from the belt. The divert modules contain high friction wheels that pivot in order to direct cartons from the main belt conveyor onto take-away lines. The ProSort SC1 diverter can direct products



to take-away lines located either on the right or left side of the conveyor while the ProSort SC2 diverter can direct products to both the right and left sides of the conveyor. Take-away lines may be either gravity skatewheel or powered rollers. Spurs may be slave driven from the diverter when the application requires powered take-away rollers but where the additional drives on the spurs would not be cost effective.

SORTATION

Model ProSort 100 **High Speed Sortation Conveyor**



*Shown with Optional
Floor Supports*

The ProSort 100 is designed for high speed sorting of products which may be too small to be sorted on conventional shoe sorters. Small fragile items or groups of items can be sorted with ease. Products are transported on high strength, anodized aluminum slats. At a predetermined location, divert shoes move diagonally across the conveyor to push the product onto a take-away line.

Model ViperSort **Small Item Sortation Conveyor**



Hytrol's ViperSort can accurately track and divert small to medium sized products onto chutes that are 90° from the sort conveyor, at rates up to 120 items per minute. This sorter utilizes a plastic modular cleated belt with a pusher mechanism that allows products to be diverted at a right angle onto chutes on close center lines. The ViperSort is versatile

enough to be utilized in many applications. Items such as cosmetics and pharmaceuticals have been almost impossible to convey due to their small size and irregular shapes. With the invention of the ViperSort this is no longer an issue. Also, larger irregularly shaped items—up to 25 lbs.—are now able to be conveyed and sorted with ease. These items can include groceries, containers of washing detergent and other types of small packaged products.

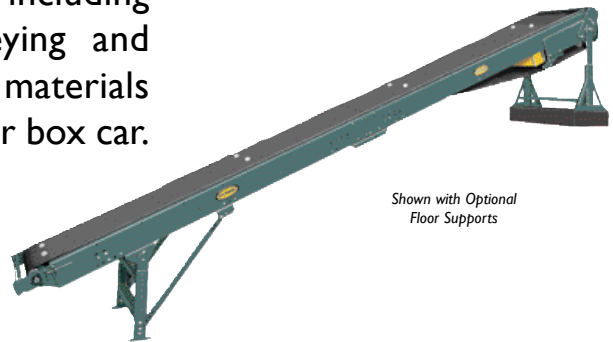
SCOTMEXORS
CONVEYORS

INCLINES

Model C

Cleated Incline Belt Conveyor

The Model C handles bags, boxes, cartons, and parts. It may be set at any angle from horizontal to 45° for various uses, including floor-to-floor conveying and the transportation of materials from building to truck or box car.



Shown with Optional Floor Supports

Models RBI & SBI

Floor-to-Floor Incline Conveyor (Roller Bed & Slider Bed)

The Models RBI & SBI are floor-to-floor incline conveyors. They are equipped with a chain driven power feeder and an adjustable double nose-over at the discharge end to insure a smooth transfer from incline to horizontal plane. The RBI conveyor, with rollers, makes higher load capacities possible. The SBI has full width galvanized pans. Inclines are easily adjusted up to 30°. These conveyors can also be used as a booster conveyor in gravity flow systems.



Shown with Optional Floor Supports



Contact your local Hytrol Distributor for sizes that ship in 24 hours.



Shown with Optional Floor Supports

PORTABLES

Model A

Aluminum Portable Narrow Belt Conveyor



Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.

The Model A with its Roughtop belt easily moves boxes, cases, and cartons up inclines. Its narrow width allows it to be used in a stairway for floor-to-floor conveying. It can be propped on a shelf for stacking or order picking. The Model A can be stored on its end in a minimum amount of space.

Model R

Aluminum Folding Belt Conveyor



Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.

The Model R besides being extremely convenient (can be folded in half), is also very versatile. Examples of conveying uses include: truck, loft, or freight car, floor-to-floor, stairway, and as a portable booster with a wheel or roller conveyor. It is also suitable for bag handling, bag and carton stacking and moving cartons, cases, and boxes.

Models B & BL

Folding Cleated Conveyor



Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.



The Model B is ideal for stacking, loading, and unloading at lengths between 10' - 16'. Hardwood cleats permit use at steeper inclines up to 45°. The conveyor folds onto its own portable base for storage. The longer Model BL can be used to convey material from one floor to another or to a balcony area at lengths of 20' and 22'. Its long bed can also extend far into a truck, thereby minimizing the distance for loading or unloading the conveyor.

PORTABLES

Model BA

Folding Booster Conveyor

The Model BA is ideal for stacking, loading and unloading. One lever control adjusts angle without effort. Desired angle automatically locked by power screw.



Contact your local Hytrol Distributor for sizes that ship in 24 hours.

Model PC

Parts Conveyor

The Model PC can be used as a portable or permanent parts conveyor. Side guards and cleated belt easily catch small stampings, plastic parts, etc., and carry them to hoppers or drums. Flapper guard prevents parts from falling through conveyor.



Contact your local Hytrol Distributor for sizes that ship in 24 hours.

Model PCX

Low Profile Parts Conveyor

The portable Model PCX parts conveyor can be easily positioned under punch presses and extruding machines to catch small steel, plastic, or aluminum stampings, etc. The PCX conveys them quickly up to a hopper or drum.



PORTABLES

Model PCH

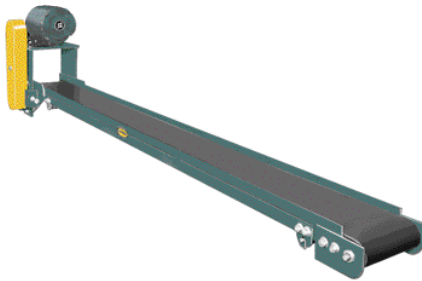
Piano Hinge Parts Conveyor



The Model PCH parts conveyor with hinged steel belt is ideal for carrying hot, oily parts from punch presses, forging machines, etc., to drums, hoppers, or other operations. Configurations range from straight to Z type units.

Model PCA

Light Duty Parts Conveyor



The portable Model PCA conveyor is easily positioned in or under punch presses, injection molding machines, extruding equipment, and other machinery where small steel or aluminum stampings, plastic parts, etc. must be quickly conveyed to hoppers or drums to keep production on the move.



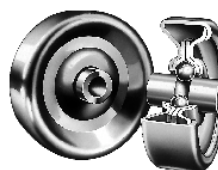
FEATURE - EDUCATION

Hytrol offers various types of training at our Jonesboro facility, from employee and distributor training to maintenance schools for our customers.

Skatewheel

Gravity Skatewheel Conveyor

Gravity Skatewheel conveyor is ideally used to convey lightweight packages or when operation requires lightweight sections. It is useful in setting up temporary conveyor lines in warehousing activities, shipping departments, assembly areas, etc.



Contact your local Hytrol Distributor for sizes that ship in 24 hours.

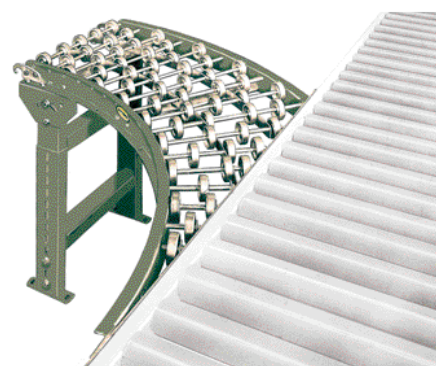
Gravity Skatewheel Curves add to the versatility of straight conveyors and provide excellent package orientation because of the differential action of the wheels. Curves will convey product with minimum amount of pitch based on weight and size.



Contact your local Hytrol Distributor for sizes that ship in 24 hours.

- Available in 30°, 45°, 60° & 90° curves
- 48" outside radius (12", 15", & 18" widths) and 60" outside radius (24" width)

Gravity Skatewheel Spurs are used to transfer products from one conveying line to another. They can be used in merging or diverging applications. They are ideally used where numerous lines must transfer onto a main conveyor line from work stations or other similar operations.



Shown with Optional Floor Supports

- Available in 30°, 45°, & 90° spurs
- Right or Left hand available

GRAVITY

Roller

Gravity Roller Conveyor



Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.

Gravity Roller conveyor is used to convey packages on permanent or temporary lines in warehousing activities, shipping department, assembly areas, etc. Majority of products will convey with minimum amount of pitch.



Contact your local Hytrol
Distributor for sizes that ship
in 24 hours.

Gravity Roller curves add to the versatility of straight conveyors. Curves provide smooth product flow. Guard rails may be added for product protection. Some curves available with tapered tread rollers to maintain product orientation.



Shown with Optional
Floor Supports

Gravity Roller spurs are used to transfer products from one conveying line to another. They can be used in merging or diverging applications. They are ideally used where numerous lines must transfer onto a main conveyor line, from work stations or other similar operations.

CONVEYOR RAILS

Wheel Conveyor Rails are made up of standard skatewheels mounted to various angle-channel configurations. They provide a means of economical mobile storage systems. Can be mounted on floor level or in storage flow racks. Rails are 12 ga. powder painted steel.



Contact your local Hytrol Distributor for sizes that ship in 24 hours.

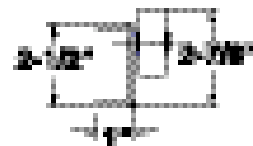
TYPE NO. 1



Rail Weight Per Ft.-2.5 LBS.

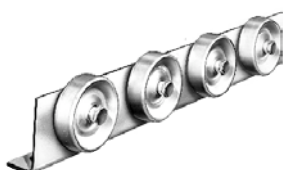


PLAN



CROSS SECTION

TYPE NO. 2



Rail Weight Per Ft.-2.1 LBS.

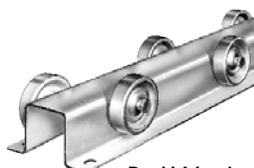


PLAN

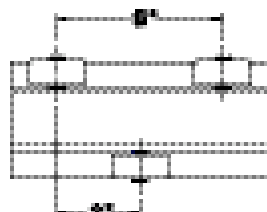


CROSS SECTION

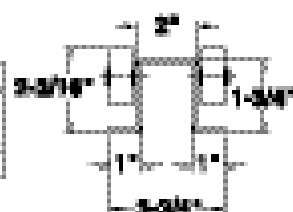
TYPE NO. 3



Rail Weight Per Ft.-3.5 LBS.



PLAN

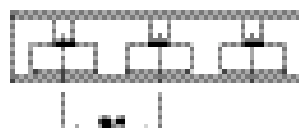


CROSS SECTION

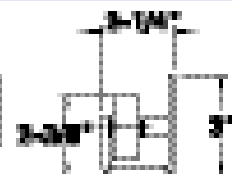
TYPE NO. 4



Rail Weight Per Ft.-3.5 LBS.



PLAN



CROSS SECTION

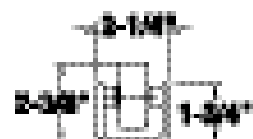
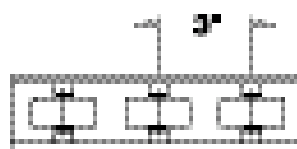
TYPE NO. 5



Rail Weight Per Ft.-3.0 LBS.

PLAN

CROSS SECTION



Manual Gate



Shown with Optional
Floor Supports

Manual Gates are available for use with a variety of conveyors. Gates provide a passageway for personnel, lift trucks, and other equipment. Gates are available with skatewheels or rollers.



Contact your local
Hytrol Distributor
for sizes that ship
in 24 hours.

Ball Transfer Table



Shown with Optional
Floor Supports

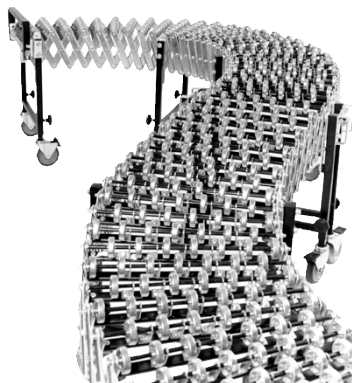


Contact your local
Hytrol Distributor
for sizes that ship
in 24 hours.

The Ball Transfer Table is used when products are required to be manually rotated or correctly positioned, e.g. a work station or other similar operation requiring quick, easy handling of the product. The Ball Transfer Table is also used when more than two conveyor lines converge and packages must be transferred from one line to another.

Model FX-200

Heavy Duty Flexible Gravity Skatewheel Conveyor



Contact your local
Hytrol Distributor for sizes that
ship in 24 hours.



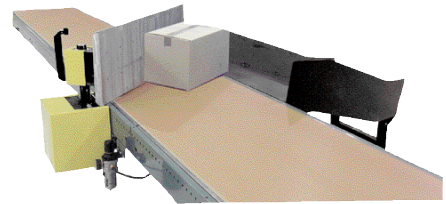
A proven performer for trailer loading and unloading. Ideally suited for packaging, shipping and flexible assembly lines. Order optional leg connect brackets to lock units together.

SYSTEMS ACCESSORIES

Model ProSort 60

Pivoting Divert Sorter

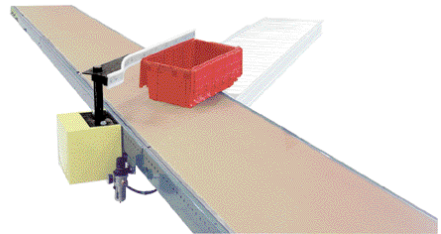
The ProSort 60 is precisely timed flat faced, pivot arm diverter for use with the Model SB belt conveyor to deflect cartons across the conveyor belt. Its unique cylinder arrangement allows it to divert cartons at very high rates across the conveyor belt onto the divert chute.



Model ProSort 45

Pivoting Bow Arm Sorter

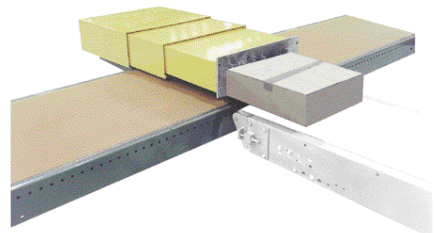
The ProSort 45 is a precisely timed bow arm diverter designed for use with the Model SB belt conveyor. The bow is specifically designed for diverting totes onto powered spurs.



Model ProSort 50/50

Multi-Stage Right Angle Pusher

The Powered Pivot Diverter is designed for use with Models 138-ACC & 190-ACC accumulating conveyors. Products are automatically diverted onto adjacent 30° spur lines.



SYSTEMS ACCESSORIES

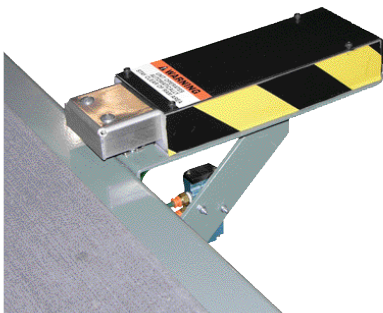
Model **High Speed Pusher**



*Shown with Optional
Floor Supports*

The High Speed Pusher provides high speed automatic product diversion. Product may be diverted 90° onto another conveyor, chute, etc. Special two-valve pneumatic control system provides smooth operation up to 45 cycles per minute. Cycle time varies with weight of product and stroke.

Model **LD Pusher** Light Duty Pusher



Hytrol's LD Pusher is a light duty pusher designed to easily mount to the side of many conveyor models. The LD Pusher provides an economical solution for pushing light-weight products off at a right angle to product flow.

Poly-Tier Supports



Poly-tier supports provide sturdy support for multi-level conveyor lines. Heights available from 36 in. to 120 in. in 6 in. increments. Supplied for overall conveyor widths from 10 in. to 42 in. wide. Knee braces are supplied to provide extra stability to support.

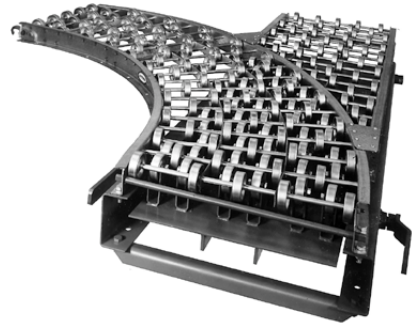


Contact your local
Hytrol Distributor for sizes that
ship in 24 hours.

SYSTEMS ACCESSORIES

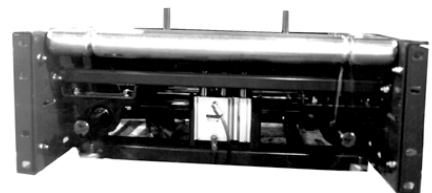
Spur-Curve Switch

The Spur Curve Switch provides a simple method of diverting or converging products from one line to another. Normal flow is through curve. Transfer mechanism is raised to transfer straight through. Unit mounts on three stationary supports. Furnished with manual or pneumatic controls. Guard rails can be supplied.



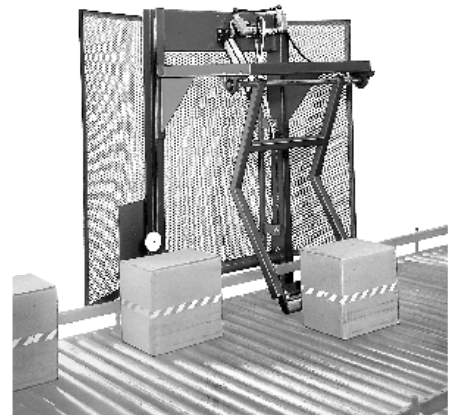
Linear Thruster Package Stop

The Linear Thruster Package Stop is highly efficient and can be adapted to most any Hytrol powered roller or gravity conveyor.



Overhead Pushoff

The Overhead Push-Off provides high speed automatic product diversion. Product may be diverted 90° onto another conveyor, chute, etc., or changed from one lane to another in parallel lines. The overhead design conserves space next to conveyor.



NOTES

CONVEXORS



***Company
Capabilities
Conveyors***



HYTROL CONVEYOR COMPANY, INC.

Manufacturers of Conveyors and Conveying Systems

International Headquarters
2020 Hytrol Drive
Jonesboro, Arkansas 72401
870.974.5642



Hytrol Conveyor de México S.A. de C.V.
Leona Vicario #701 B. Ofic. #7 • Col. La Purísima
Metepéc, México 52140
TEL. 722.270.9724/25

Visit www.hytrol.com to find your Domestic or International Distributor



LEADS THE WAY