



Low Profile 24V
Belt Accumulation
Conveyor



ZIPLINE - ZERO PRESSURE ACCUMULATION CONVEYOR

Blue Arc Engineering is proud to announce the next generation of zero pressure belt accumulating conveyor. This brand new, low profile conveyor utilizes a 24 VDC brushless drive motor, which makes for a very energy efficient conveyor. The conveyor also consists of a series of belted zones that interact with one another to accomplish zero pressure accumulation.

Other roller accumulation conveyors use pneumatics actuation to engage accumulation, requiring expensive compressed air. Since the ZiPline zero pressure conveyors use the belted zone to "drive" the products, only inexpensive 24 VDC power is required, resulting in an operational cost savings to you over the lifetime operations of the conveyor.

In addition to the above benefits, many roller accumulation conveyors are always consuming electricity, even when the zones are inactive, since there is a centralized motor that continuously delivers power. With the ZiPline conveyor design, only the active zones consume power.



BENEFITS OF ZIPLINE CONVEYOR



40% energy reduction over a standard conveyor



Conveys very small products



Low profile 4" vertical aluminum side channels



Extremely quiet operations, less than 58 decibels



Product jams and side by side products eliminated with belt surface

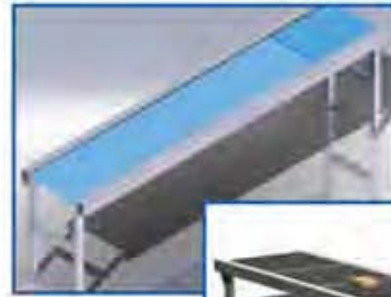


Exceptionally reliable, rated for 60,000 hours MTBF



OTHER BENEFITS OF ZIPLINE CONVEYOR

- Modular for virtual and dynamic zone lengths
- Drives shut down when there is no product present to save energy
- 60% lighter weight per linear foot allows quicker and easier installation
- Configurable zone lengths to optimize for any application



APPLICATIONS OF ZIPLINE CONVEYOR

- Small item conveyence
- Small items accumulated with larger items
- Polytier applications where low profile conveyor is critical for ergonomics
- Low elevation applications
- Ideal for all types of case or package accumulation
- Accumulating shipping lanes
- Multi-tiered conveyors where low vertical profile conveyors are critical
- Accumulation upstream of sawtooth merges for sortation systems
- Accumulation on inclines and declines: packing and shipping lanes



SPECIFICATIONS OF ZIPLINE CONVEYOR

- Length: 24" zones in 10' standard bed lengths (other zone lengths available)
- Standard overall width: 26", 21" effective width (other widths available)
- Top of belt height as low as 4"
- Weight capacity per zone: 75 lbs
- Belt over roller design for low friction and reduced energy requirements
- 24 volt motor and driver card per zone for increased functionality
- Retro-reflective photo eye per zone located just 1/8" off the belt for very low profile products
- Speed range: Bi-directional 0-180 FPM
- All zones to be wired into common power supply enclosures
- Input voltage to power supply: 120 volt (other voltages available)
- Includes aluminum extrusion leg supports with adjustable foot pads every 10'
- Adjustable aluminum extruded floor supports
- Multiple belt colors available
- Ethernet compatible with available wireless controls via iPhone, iPad, laptop or similar device
- Several accessories available: accumulation curves, transfers, etc. (see below)



Partial Client List

Alltech Biotechnology
Anheuser Busch Companies
Blue Rhino
Cabela's
Caterpillar
CitiTrends
Cleveland Clinic
Coca-Cola
ConAgra Foods
Coors
Covance
CVS/Pharmacy
Delco Electronics
Eli Lilly and Company
Fastenal Company
Garmin Ltd.

General Electric
General Motors
Masterbrand Cabinets
Heaven Hill Distilleries
Hoosier Racing Tire
Houghton Mifflin Company
Hussman Refrigeration
International Paper
Johnsonville Sausage
Kellogg Company
Kroger
Morton Salt
MSC Industrial Supply
Pepsi
Pitney Bowes

Pratt & Whitney
Prime Distribution Services
Rexam
Roche Diagnostics
Rolls Royce
Ryobi Die Casting
Sauer Danfoss
Sherwin Williams
Snap-On Tools
St. Gobain Containers
Square D
Subaru of America
Toyota Motor Sales
United Technologies Carrier
Zimmer

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Energy
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