

# Washdown & Sanitary Conveyors



**LIPE AUTOMATION**  
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# Sanitary Dyna-Belt Conveyors



## **Power Belt Series**

Capacity: Mid Range  
Effective Belt Width: 3" to 36"  
OAL 24" to 100'  
Design Type: Modular, Kitted  
Construction : Modular Washdown Duty  
Custom-Super Sanitary

Note: Belt Feeder Line Based on Power Belt Series  
Also: Curves conveyors are available as custom.

Power Belt is an extraordinarily durable conveyor. Low total cost of ownership with a five to twenty year life expectancy anticipated on a direct drive belts in many applications.

Direct drive belt technology can be retrofit to existing slider and wear bar deck belt and modular chain conveyors.

Components are in stock.

***Save energy, improve productivity by reducing cleaning times and add to the life of your conveyors today. 800-448-7822***



## **Low Profile Series**

Capacity Light Duty  
Effective Belt Width 1.5" to 18"  
OAL: 18" to 20'  
Design Type: Custom  
Available as both : 304 SS Washdown Duty

## **Bulk Mover Series**

Capacity: Heavy  
Effective Belt Width: 24" to 96"  
OAL 4'-0" to 200'  
Available as : Super Sanitary Trough or Flat



# Dyna-Belt Line Facts

- Dyna-Belt is a product group manufactured by Lipe Automation that is comprised of a series of both custom and pre-engineered component based conveyors. All are available with Washdown Duty or Sanitary Construction Features. Many can be used as OEM sub-assemblies to feed and discharge parts, materials or containers. These include:

Conveyor Series	Type: Modular/Custom	Washdown	Sanitary	Kitted/Retrofit
Low Profile	Custom *	Yes	No	No
Power Belt Series	Pre-Engineered Modular	Yes	Yes	Yes
Power Transfer	Pre-Engineered Modular	Yes	No	Yes
Bulk Mover	Custom *	Yes	Yes	No
Low Level Hopper	Custom	Yes	Yes	No
Belt Feeder	Custom	Yes	No	No
Precision Index	Custom	Yes	Yes	No
Super Lo Profile	Custom	Yes	Yes	No
TTC Series	Straight & Curve Conveyors	Yes	Yes	No
Belt Inclines	Pre-Engineered Modular	Yes	Yes	Yes
Curve Conveyors	Pre-Engineered Modular	Yes	Yes	Yes

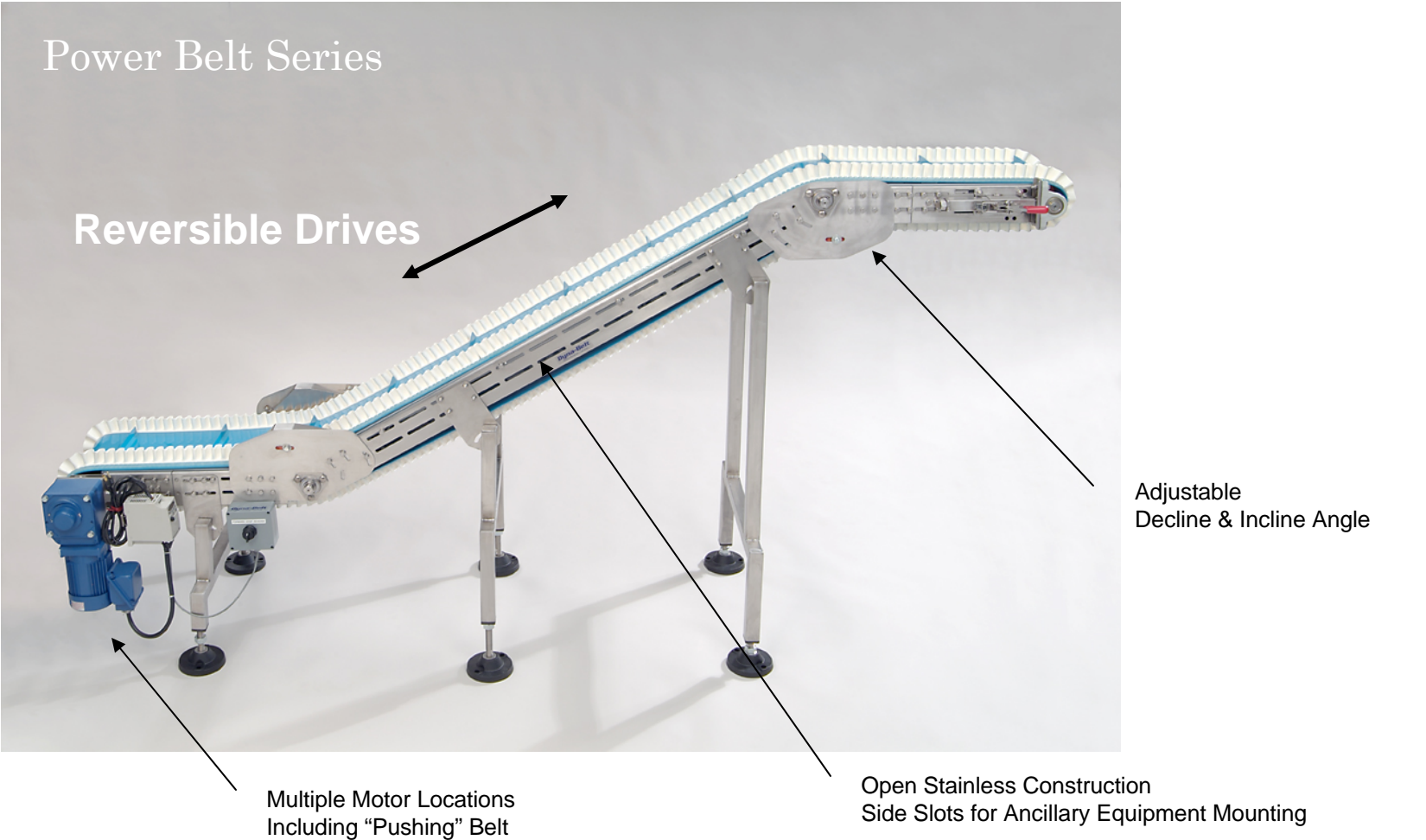
\* This line will be available is a pre-engineered product series but is build to order product.

\*\* A powered and slave modular curve is under development for 2008. At present curve conveyors are available using modular plastic belts only. Washdown Duty, Modular Table Top Chain Conveyors also available.

**Conveyors can be supplied using traditional belting, molded plastic belts or alternative direct drive belting.**



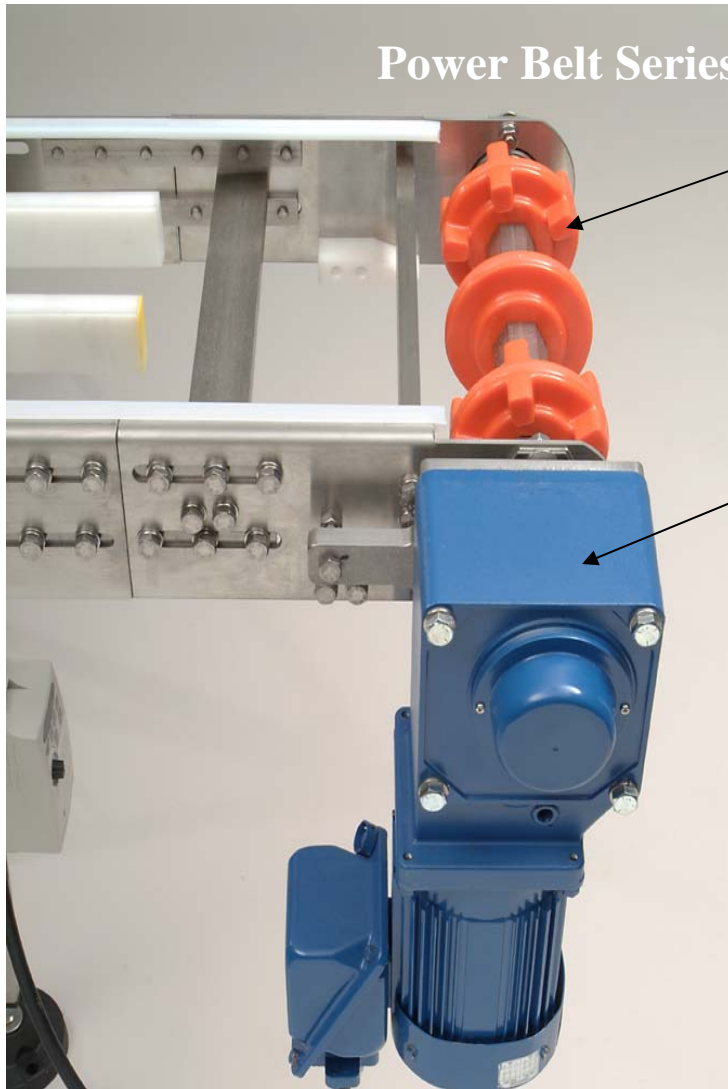
# Modular Washdown Conveyors



Hoppers, top covers, drip pans and multiple belt options including perforated belts. Cleats and Accordion Side Aprons to 4.5" Tall



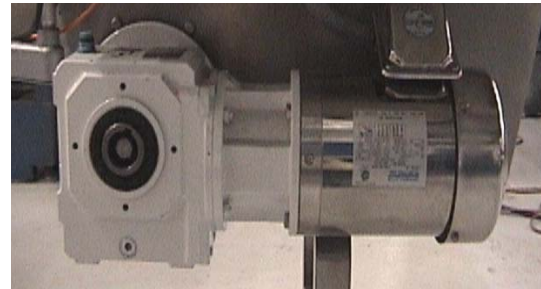
# Modular Washdown Drive Section



Power Belt Series

Positive Power Transmission to Belt using simple drive sprockets

Multiple drive locations. Top, bottom, right angle and shaft mount. Integrated AC & DC drive pulleys. Any voltage, environmental class and belt speed.



All of our conveyors are reversible.

Heavy duty modular components  
In stock.

# Modular Sanitary Conveyors



Positive Direct Belt Drive

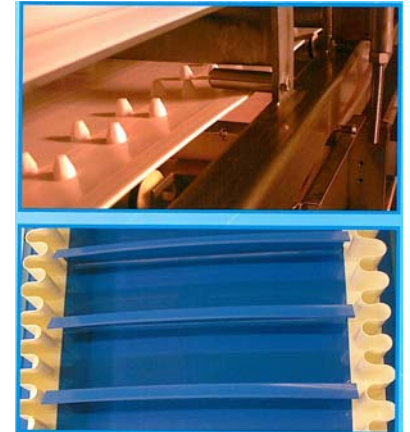


Open Stainless Construction  
Side Clean Out Ports

Multiple Motor Locations



Hoppers, top covers, drip pans and multiple belt options including perforated belts. Cleats and Accordion Side Aprons to 4.5" Tall



Full Range of Belt Options



# Sanitary & Washdown Conveyor Applications



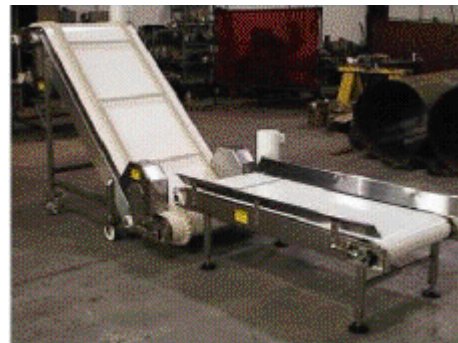
Pharmaceutical Line  
Belt Feeder to Bowl



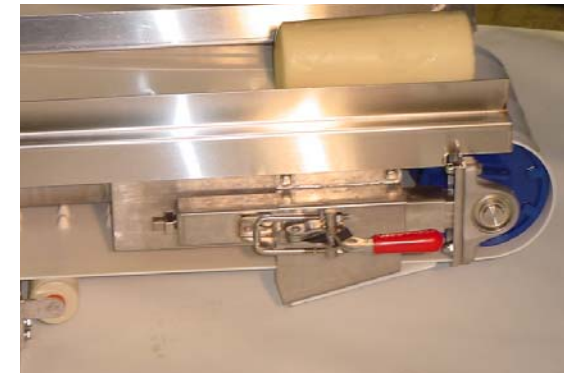
Process Belts  
Fruit Processing



De-Watering Belt  
Cheese-Whey Processing

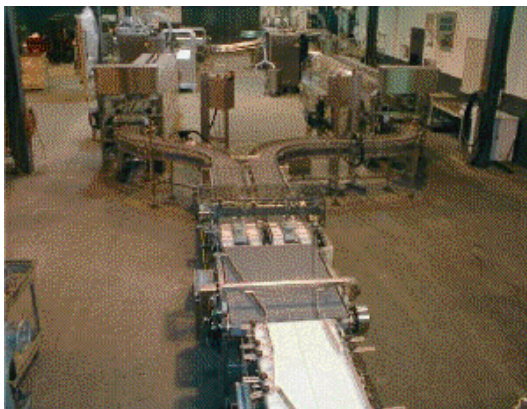


Bulk Medical Sponges  
316SS #4 Finish



Process Belt  
Cheese-Block Processing

Packaging Line  
(Merge/Diverge)



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# Sanitary & Washdown Conveyor Applications



Hopper- Cleated Belts w/ Accodian Side Walls



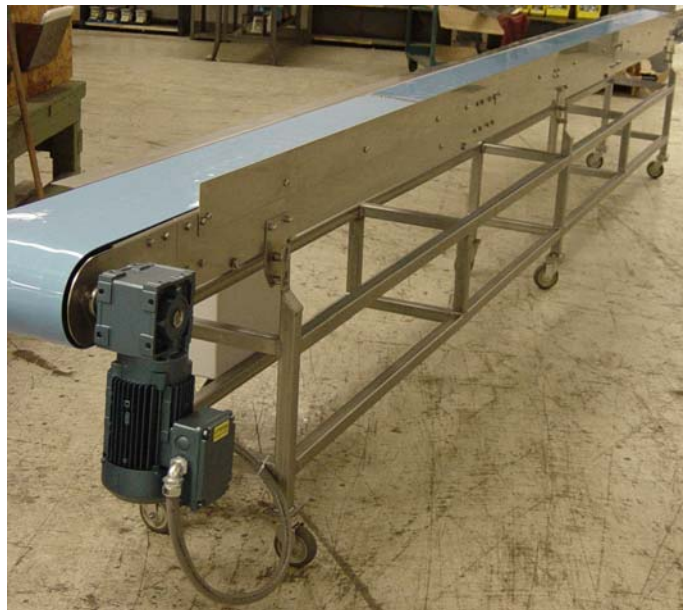
Bakery Conveyors  
(DC Series- Modular Chain w/ noseover transfer)



Cheese Dewatering Conveyors (Wire Belt)



USDA approved — ideal for incline  
meat applications



Donut Handling- Portable Package Handling Belt



Meat Processing w/ Cutting Stations

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# Sanitary & Washdown Conveyor Applications

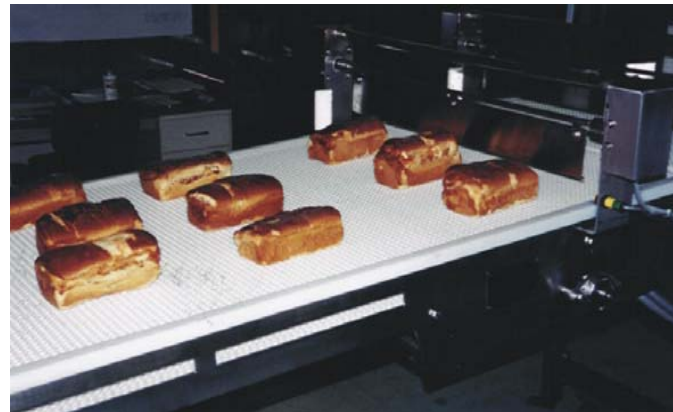


- Gabled Container Filling Machine  
Discharge Conv. (80mm Table Top Chain)



- Feed to Case Packer (4x 80mm Table Top Chain)
- Custom Design/Build (4 X 3 & 4X 2) Pack Former
- Dairy Specifications

- Bread Handling
- w/ squaring device



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# Sanitary & Washdown Conveyor Applications



Dairy Packaging Line-



Chicken Handling



Meat Packaging



Chicken Processing



Donut Packaging

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# Sanitary Conveyor Applications



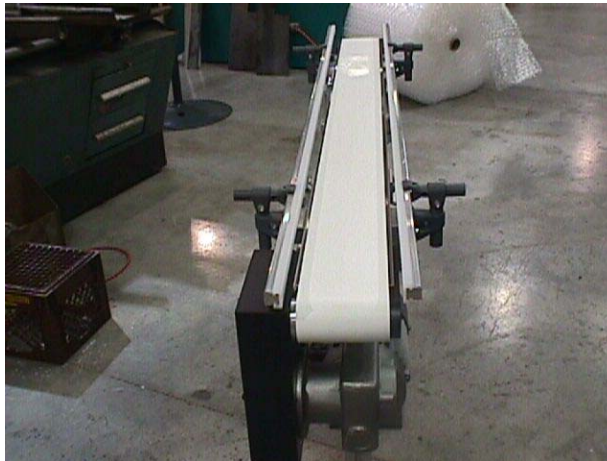
Diverter /Sortation



Sanitary Modular Conveyors  
Power Belt Advantage:

**Pre-Engineered modules allow for easy changes w/ in stock parts.**

**Components can create custom solutions.**



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# Sanitary Conveyor Applications



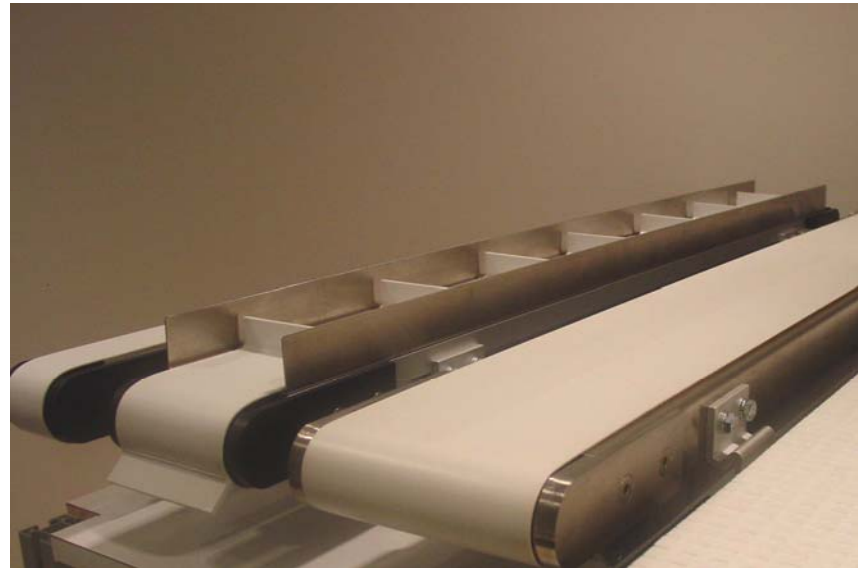
Custom- Check Weigher



Custom- Laner

# Low Profile Series

Capacity Light Duty  
Effective Belt Width 1.5" to 18"  
Effective Frame Depth: 1.75"  
OAL: 18" to 20'  
Design Type: Custom  
Available as both :  
Washdown  
Aluminum Ext.



Excellent for OEM



Metal Detector Conveyor

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## Belts & Surfaces

Anti-Static	USDA- FDA
Clean Room	Accumulation
Cleated	High Temperature
Indexing	Plastic Molded Chain
Mat Top	Wire Mesh

## Conveyor Beds:

Aluminum	Slider
304 Stainless Steel Modular	Micro Roller

**Bearings:** Double-seal, sealed for life ball bearings.

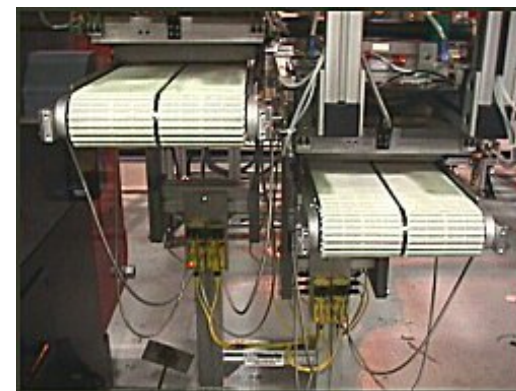
**Supports:** Several styles to choose from including H-Style, Portable and Sanitary Style Legs.

**Drive Configurations:** Multiple drive locations including top mount, side mount, bottom mount, shaft offset mount.

**Drive Types:** Gearmotor, parallel shaft and right angle drives are used. Multiple voltages, CE, NEMA frames are available. Stepper, and Servo Drives are available.

**Pulley:** Knurled Friction Type, Machined Crowned & 17 Tooth Timing Gear & 25 Tooth Timing Gear Drive Assembly

**Controls:** Standard Nema Enclosures available w/ start/stop, e stop, servo, indexing and variable speed controls



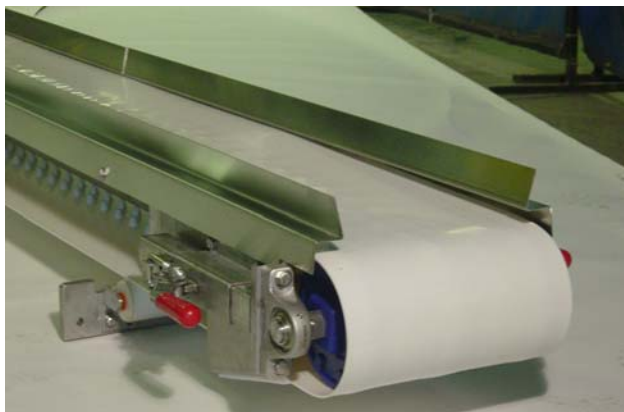
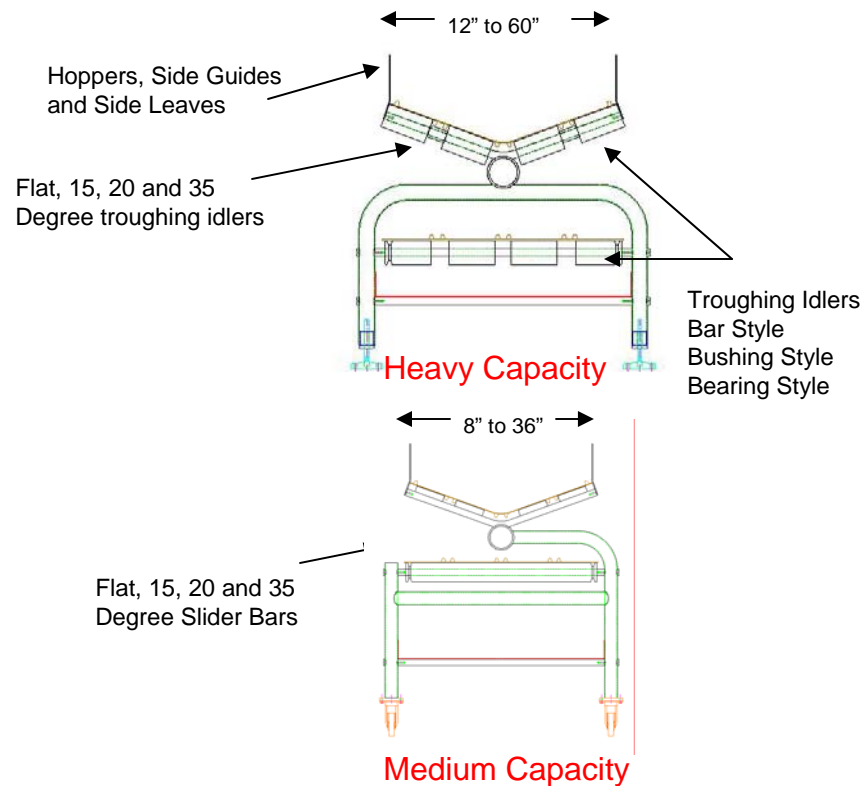
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Other lengths & widths can be accommodated.  
Engineered side guides, tooling, escapements, pallet stops & height adjusters are available.

**Dyna-Belt®**

# Bulk Mover Series

- Custom Heavy Capacity Belt Conveyors available as flat and troughing super sanitary USDA-FDA belt conveyors.
- Positive Drive USDA-FDA Belts
  - Lower Horsepower
  - Manual Clean (Dairy 3A Spec)
  - Incline/Decline Belts to 200' Long
  - Perforated Belts *(Available)*
  - Cleats to 4.5" H *(Available)*
  - Accordion Side to 4.5" H *(Available)*



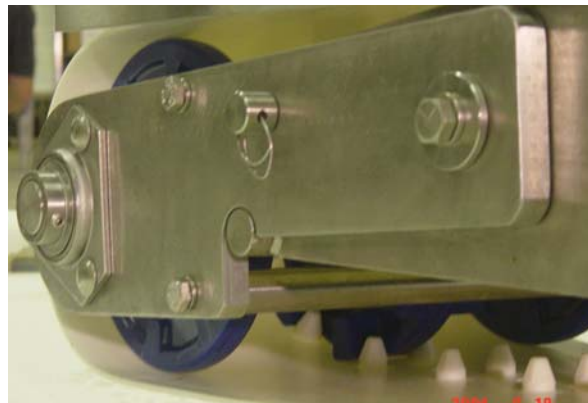
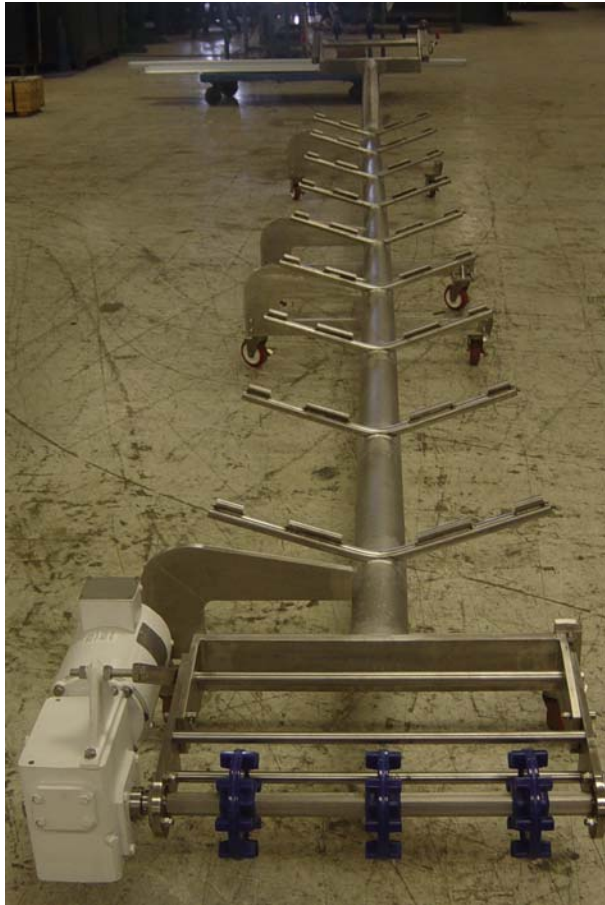
304 SS Open construction

Shown w/out guards  
And w/ portable supports



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# Sanitary & Washdown Facts

- Sanitary Designs based on:
  - Belting, Thermoplastic Belt, Molded Plastic Chain, Wire Mesh Wire Belt
  - Pre-Engineered Components –Factory Stocked
  - USDA-FDA-AMI Compliant Construction
  - Conveyor Equipment is proudly made in the USA

