



Volta Belting Technologies

STOREVEYOR



StoreVeyor= Storage + Conveyor

“In Process Storage Systems”

“Accumulation System”

- **Large volume conveyor with high SW (3-5ft / 1-2 meters)**
- **Synchronizes between slow process production and faster packaging systems**
- **Commonly feeds from back, common with an oscillating conveyor swinging over the belt width**
- **Also “filling systems” move over the conveyor which is stationary during filling**
- **“Start-Stop” the conveyor progresses in small steps when is filled; Common also for discharge**



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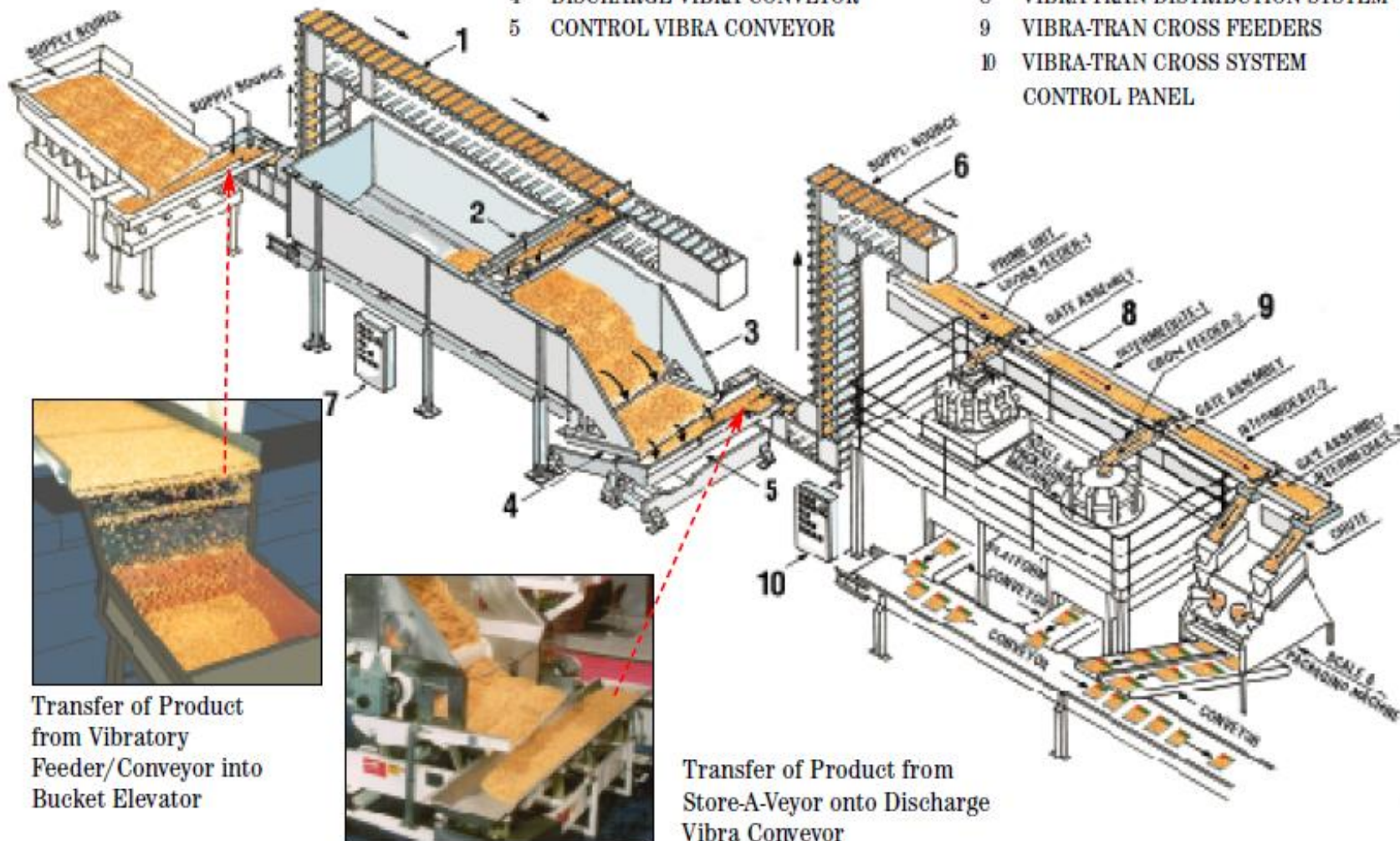
Highest Quality De

The Next Step In Belting

Tailored Belt For a Perfect Solution

Let Us Engineer Your Future

- | | | | |
|---|--------------------------|----|---------------------------------------|
| 1 | DEAMCO LIFT DISTRIBUTOR | 6 | DEAMCO LIFT |
| 2 | VIBRA CONVEYOR SPREADER | 7 | STORE-A-VEYOR SYSTEM CONTROL PANEL |
| 3 | STORE-A-VEYOR | 8 | VIBRA-TRAN DISTRIBUTION SYSTEM |
| 4 | DISCHARGE VIBRA CONVEYOR | 9 | VIBRA-TRAN CROSS FEEDERS |
| 5 | CONTROL VIBRA CONVEYOR | 10 | VIBRA-TRAN CROSS SYSTEM CONTROL PANEL |



Transfer of Product from Vibratory Feeder/Conveyor into Bucket Elevator

Transfer of Product from Store-A-Veyor onto Discharge Vibra Conveyor

Conveyors with Modular & Friction-Driven ("flat") belts

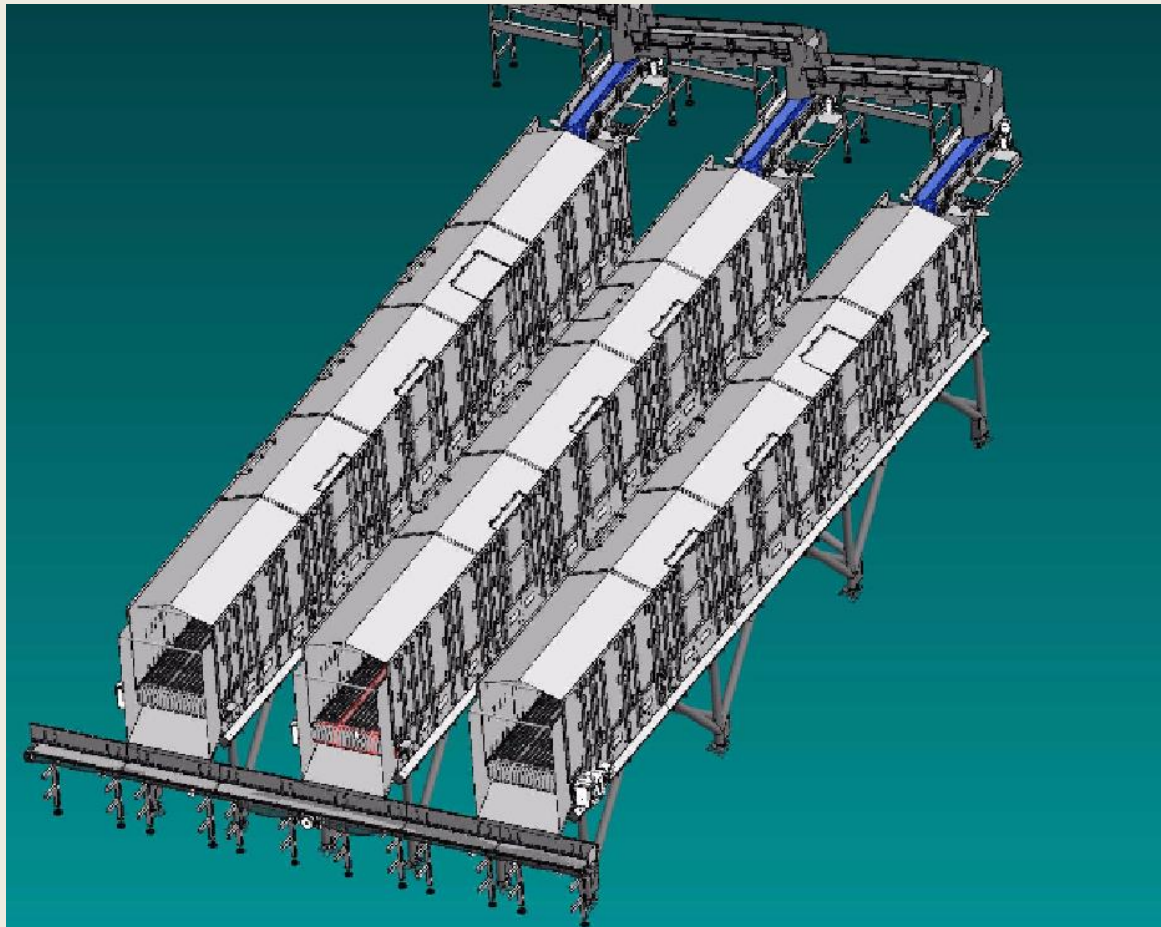


Volta Super-Drive:

- Hygiene
- High Loads
- Positive Drive
- Smooth surface: No hinges – no loss of product

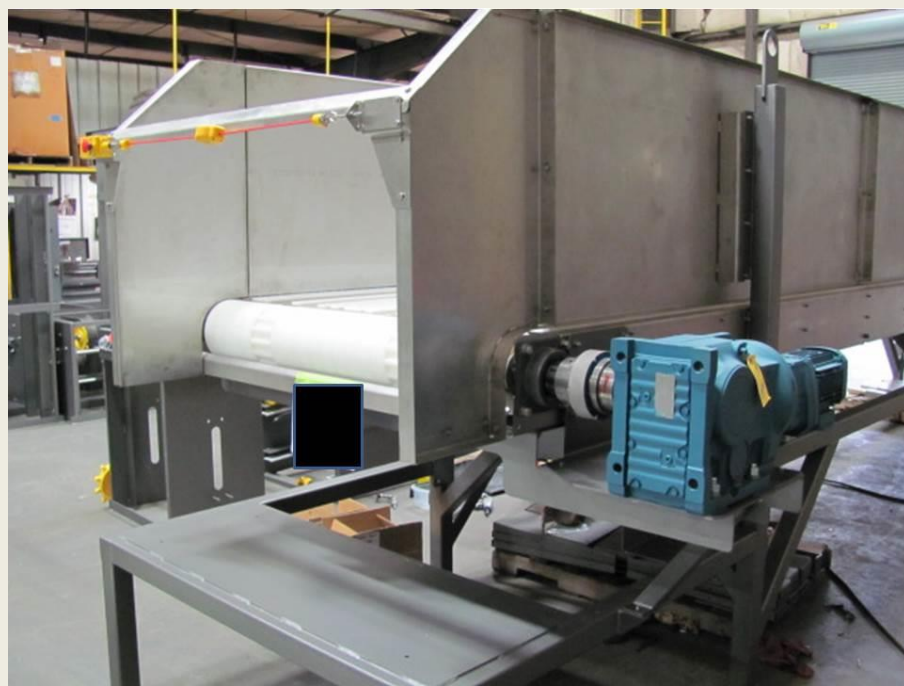
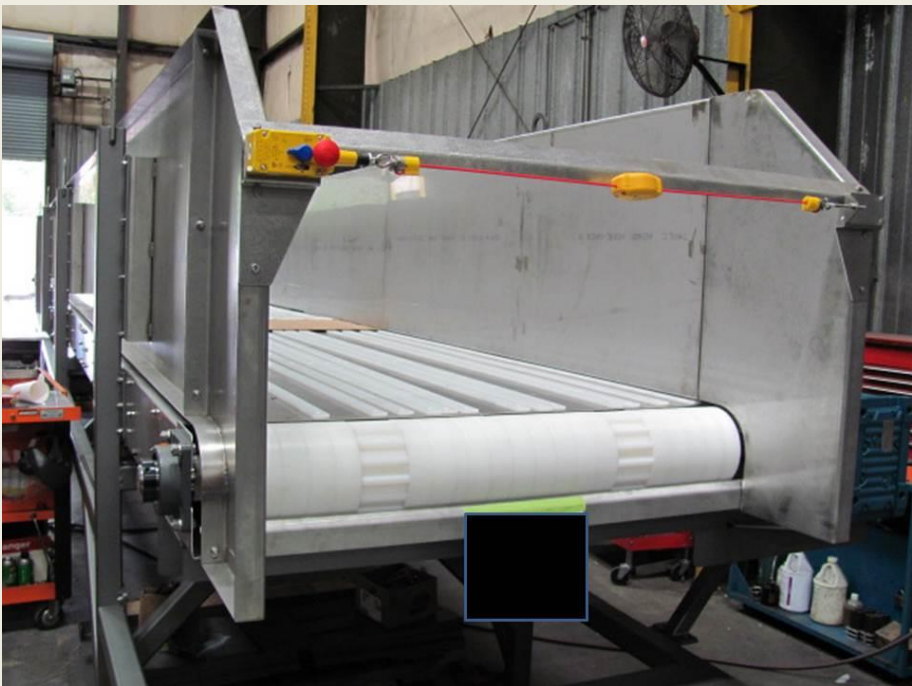
Three StoreVeyors in Parallel:

Volta FHB-6-SD; 7,000 kg /
15,400 lbs in each conveyor
Width: 54" = 1370mm
Length: 45ft = 13.7 m



StoreVeyors :

FHW-4-SD : common belt for up to 9000 lbs / 4000 kg



Design Notes:

- **Slider beds: UHMW for minimum friction**
- **Rails more dense, lateral gap about 50mm:**
 - Sanitation implemented with personal walking on the conveyor belt
 - High load of products
- **“Start-Stop”:**
 - adds load for acceleration (about 10%)
 - Common “safety values” are up to 1.8. Use lower values 1.1-1.3





Design Notes:

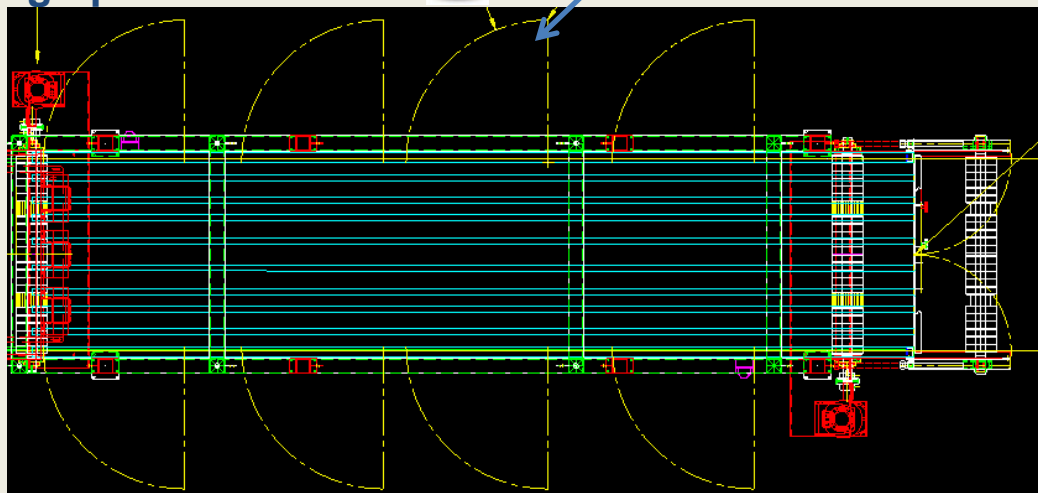
- Large pulleys as possible
 - FHB-6-SD: 12" / 300mm
 - FHB/W-4-SD: 8"-10" / 200mm-250mm depends on loads
 - Pulleys – full width
 - Take-up: long travel to control sagging
 - Large bore size: for FHB-6-SD used up to 3.5" / 89mm square bore (OEM to verify shaft strength)
- Consider support of shaft in the middle



Design Notes:

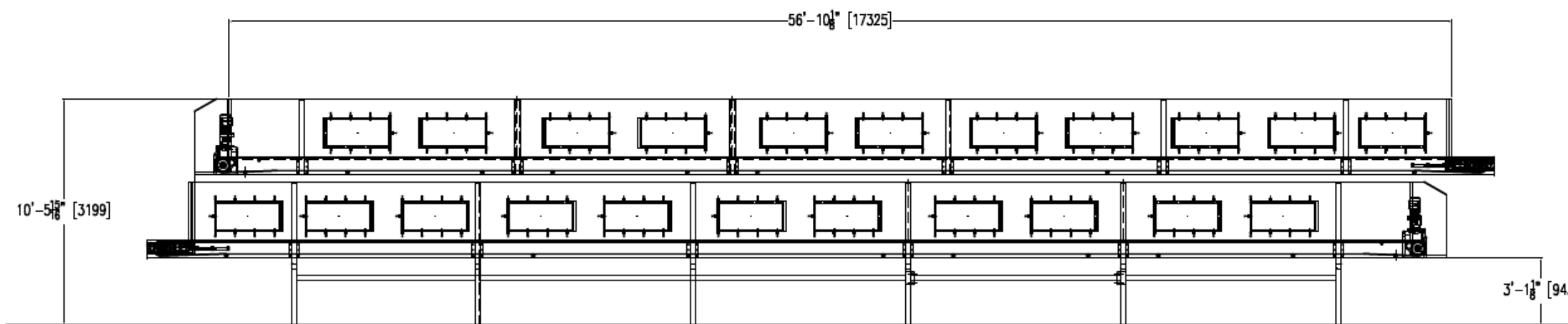
- Inclining –adds high pull force. Avoid incline. Decline of each 0.5 degree could be significant.
- Installation:
 - Note belt total weight could be significant. Take in account for threading the belt
 - Welding:
 - Belt in heavy and rigid and should be clamped under no tension: Plan how belt will be hold down / use clamps
Plan access along the conveyor – commonly SW are a set of doors
 - Avoid friction between SW and belt. Consider solutions for sealing the gap between the SW and belt: adjustable SW height / special skirting design
 - Welding FHB-6-SD **ONLY** butt-weld method
 - Note Volta special “H” material welding tips 
 - In addition additional welding tips for FHB-6-SD 

Top view:



Double Decker

- FHB-6-SD
- Width: 60"=1524mm
- Length: 57ft = 17 meters
- Load: 17,600 = 8,000 kg on each deck





Quality Design
In Belting
Solution
Future



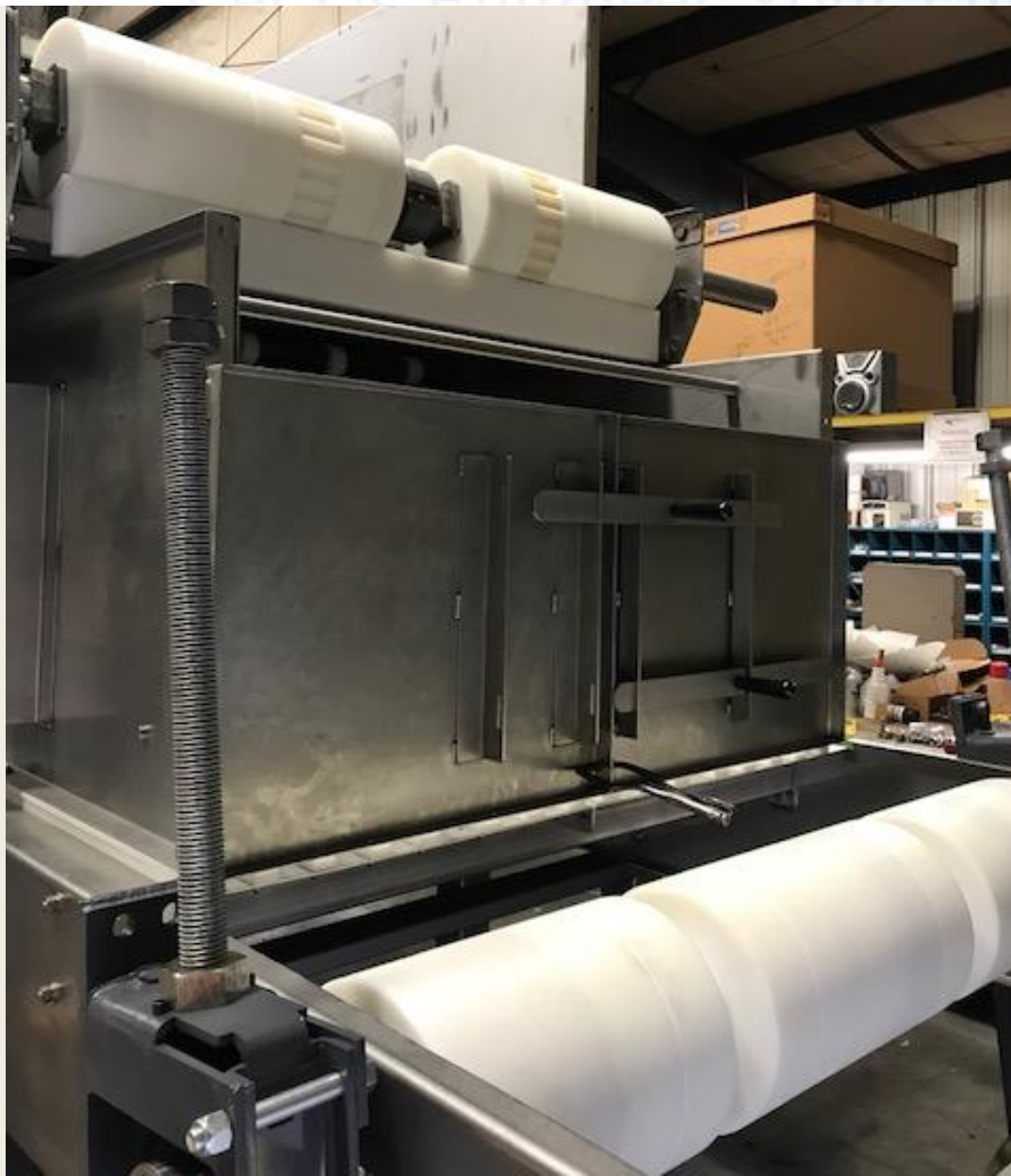
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