



TriCon[®] Conveyor

Intelligent, Quiet, Modular. The Most Versatile and Reliable Solution for Motorized Conveying, Sortation and Accumulation

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TriCon® Conveyor

The TriCon® Conveyor from Siemens is the industry's leading 24-volt motorized roller conveyor. TriCon's onboard intelligence and simple design deliver zero-pressure accumulation—so the items you're moving will never collide or bunch up. It's a versatile, reliable, cost-effective solution that adapts easily to any configuration without special tools or wiring.

The TriCon Conveyor is modular—made up of easy-to-connect units with their own integrated control cards (ICC) that control up to four zones. Each control zone contains a powered roller, idle rollers and photo sensors that detect items on the conveyor and trigger a powered roller to start or stop as needed. TriCon runs only on demand, so it delivers significant energy savings over traditional conveyor systems.

Each unit has pre-set control zones to accommodate the specific items you need to handle. The basic functions are pre-programmed at our manufacturing facility—and the entire system can be reconfigured or expanded in minutes by readdressing the ICCs. This innovative design costs less to install and maintain—plus there's no requirement for compressed air.

You can combine straight modules, curved modules, merge/divert modules and right-angle transfer modules in almost any configuration to fit your operation.

TriCon is intrinsically safe and amazingly quiet. Its torque is low enough that the conveyor can be stopped by hand in case of emergency. And because there are no belts, chains or line shafts, the system is as quiet as a typical office environment.



Innovative design and engineering

- Simple plug-and-play design with standard modular components that are easy to install, expand
- Fewer moving parts and deactivation of zones not carrying products
- 24-volt DC construction
- Low-torque rollers that can be stopped manually in case of emergency—no chains, belts, line shafts
- No compressed air requirements
- Modular, 24VDC power supplies within the conveyor frame means fewer high-voltage drops
- On-demand activation to reduce energy consumption, noise and wear
- Fewer moving parts—any component can be replaced in less than half an hour

For unmatched performance and results

- Easy, economical installation, expansion, reconfiguration
- Quiet, energy-efficient operation
- Enhanced safety for people and products
- Simplified, more cost-effective maintenance
- Lower operating costs

Specification highlights

- Transport speed adjustable from 90 fpm to 200 fpm
- Capacity varies based on weight of product and transport speed. At 150 fpm, maximum weight is 70 lbs
- Intermediate straight modules available in 30" to 120" lengths, including inclines and declines
- Curved modules available with curves of 30°, 45°, 60° and 90°
- Merge/divert modules available in left and right orientation
- Right-angle transfer modules available in left, right and bi-directional orientation
- Conveyor frame functions as side rail. Frame is 12-gauge steel, 7" high x 2-1/2" wide. Top of roller 3-1/2" below top of frame
- Noise level less than 60 dBA at a distance of 1 meter
- Power supply and controls embedded in side frame of conveyor module

Siemens is an industry leader in material handling and sortation technology. Put our experience and innovation to work for you today. To learn more, call us at 800-938-7378 or visit www.usa.siemens.com/postalautomation

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