



High-Speed Tray Conveyor

A Powerful Solution for Fast, Efficient
Transportation of Baggage, Packages and Parcels

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High-Speed Tray Conveyor

Siemens' High-Speed Tray Conveyor gives you the power to move a wide variety of baggage, boxes and parcels through your operation—quickly and efficiently. It uses superior toothed belts, forward-thinking design and innovative tray construction to deliver unmatched performance and durability.

Using this proven technology, Siemens can create a customized solution that streamlines both normal and high-speed transportation. This single system can handle items of different sizes and weights while simplifying maintenance.

The High-Speed Tray Conveyor includes straight conveyors and curves with incline and decline capabilities. Switches divert items from one line to another or merge two lines into one. Loading stations automatically sort items onto the proper trays that are tilted into the proper chutes for unloading.

The system uses several design elements to reduce noise, including an inner layer on the solidly constructed, custom-shaped trays; closed sidewalls on the track; and friction-reducing, roller-supported toothed belts. Reducing friction enables us to build conveyor modules up to 30 meters long powered by a single drive unit—reducing the number of drives by up to 50 percent. Using fewer drives helps lower system power consumption and reduce lifecycle costs.



Innovative design and engineering

- Straight conveyors and curves with incline and decline capabilities
- Form-fitted, toothed belts to reduce belt slippage and drive-pulley burnout
- Durable, low-friction fabric belts
- Custom-shaped trays with solid construction
- Stationary RFID devices to read data on trays

For unmatched performance and results

- Streamlined delivery
- Increased system throughput
- Reduced connection times and cost per touch
- Normal and high-speed transportation
- Safe, quiet operation
- Simplified maintenance
- High redundancy due to two-belt design (if one breaks, the second one will still do the job)
- Different tray sizes can run in one system (normal and OOG)
- Supporting rollers "clipped" in, allowing very quick replacement
- Endless toothed belt, therefore no lacing—very quick replacement

Specification highlights

- Loading rate of 1.5 m/s
- Top speed of 10 m/s (36km/h), (22mph)
- Up to 2700 bags/hour capacity at each line
- Tray components
 - Deep-drawn sheet metal underbody
 - Intermediate body of foam plastic
 - Extruded plastic carrier tray
 - Guide rollers and guide pins
 - Code carrier with RFID technology

Siemens is the 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.siemens.com/airports

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