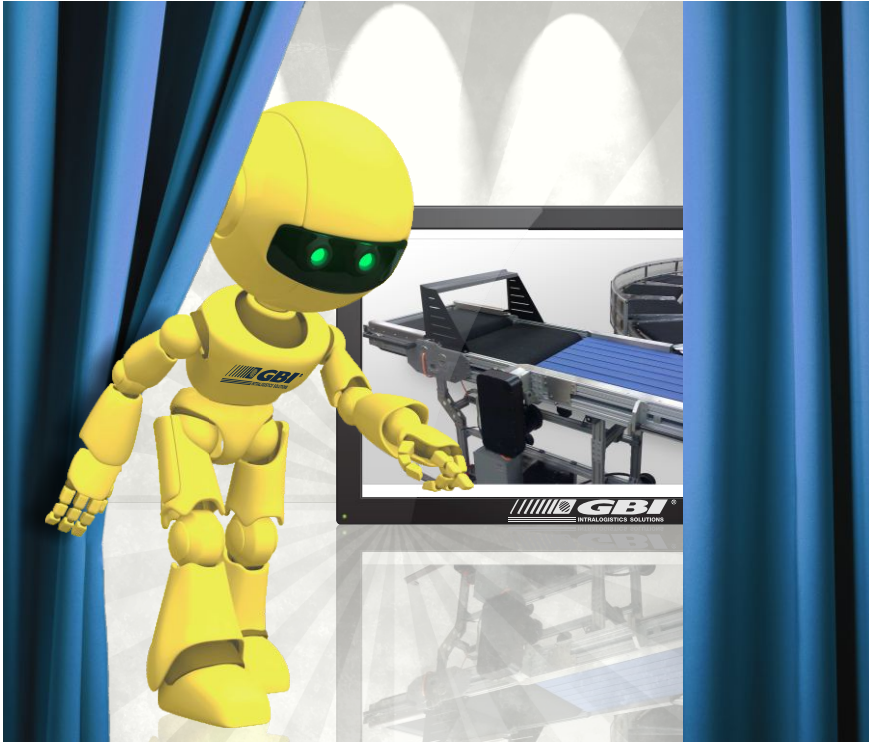


Cross Belt Sorter



About GBI

GBI Intralogistics Solutions specializes in designing, streamlining, automating, optimizing, managing, and implementing material handling automation and information flow inside all forms of warehouse and distribution centers. For more than 48 years, we have been serving the global intralogistics market and have developed expertise in creating and delivering innovative, intelligent, efficient, autonomous, cost-effective and complete integrated turnkey solutions.

Intralogistics
Solutions

The Cross Belt Sorter is perfect for applications that require high accuracy and fast sortation as well as the ability to handle items of varied sizes, shapes and weights. The Cross Belt Sorter can carry and sort items weighing from 5 grams to 60 Kg (0.2oz to 132lbs) at speeds up to 3 m/s (590 FPM), translating to rates up to 13,250 sorts per hour.*

GBI's "smart" technology automatically selects loading and deployment belt speeds and determines the exact products position on the carriers which facilitate precise and gentle package sortation.

* Rates vary depending on the carrier size



The modular component design is scalable, and may be expanded, or configured to meet the customer's changing requirements. The system runs quietly with a noise level at or below 60dB, with a sortation accuracy of approximately 99.95% or better.



We don't just automate,
we innovate



www.gbisorters.com

Industry and Applications

Each standard GBI cross belt sorter is customized to meet the needs of each customer's operation. Here is a sampling of cross belt industry applications:

- Groceries and hard goods
- Express parcels
- Consumer goods
- Hardware and tools
- Apparel (loose or in polybags)
- And many more

Key Features & Benefits

- Simultaneously sorts a combination of both light and heavy weight items
- Loads and discharges parcels from either side of the sorter frame
- Quiet running and low maintenance linear induction motors
- Built using modular components for scalability to expand, contract or configure
- Inclines and/ or declines may be added as needed
- Infra-red communication are utilized eliminate wires and radio interference
- Excellent for products of varying sizes and shapes plus bags, cartons, totes, packages and parcels

Cross Belt Sorter Key Specifications

Feature	Specifications	
	Metric (Rounded)	Standard (Rounded)
Transportable Weight	5 gm to 30 Kg	0.2 oz – 66 lbs
Belt Dimensions*		
Belt surface length in the direction the belt travels	610 mm min.	24" min.
Belt surface length across the belt	660 mm min.	26" min.
Carrier Pitch	813 mm	32"
Carrier Speed	Up to 3.0 m/sec	Up to 590 FPM
Carrier Rate **	Up to 13,250 cars / hour	
Carriers Linear Drive	Linear Induction motor(s)	
Load and Deploy Direction	Right or Left	
Types of Articles Sorted	Cartons, poly bags, jiffy bags, parcels, loose items, items with strings and straps	
Noise Level	Under 60 dB at 2 meters, or under 75 dB at 2 meters with active chute diverters	
Minimum / Maximum Ambient Temperature	4.5°C / 40.5°C	40°F / 105°F
Humidity	Up to 80%	

* Custom Belt Sizes Available

** Configuring sorter with multiple load sections can yield higher sort capability

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Solutions

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