

OPEX[®] SURE SORT[®]

High-Speed Automated Sorting



WHY SURE SORT[®]?

The industry-leading scalable, configurable, and cost-effective small-item robotic sorting system.

OPEX's[®] Sure Sort[®] solution has changed the way companies handle small items, particularly as it relates to parcel sorting, multi-line orders, and reverse logistics. The Sure Sort solution reduces the number of excessive touches associated with existing sorters. Regardless of shape, packaging, or orientation, the Sure Sort sorter provides a better way to sort small items more accurately and efficiently. Single items in a variety of shapes and sizes, and parcels up to 5 lbs., can be delivered to their designated sort location at rates up to 2,400 items per hour.

FEATURES

IBOT[®] TECHNOLOGY

iBOT, multi-directional, intelligent, wireless vehicles effectively transport inventory to sort locations. Recharging as they cycle through the system, this solution is highly energy efficient.

SORT BIN CONFIGURATIONS

Products up to 6" tall are sorted to a configurable array of mixed and various bin sizes and types, to best fit customer needs.

OPEX SCAN TUNNEL

Our standard (up to six-sided) scan tunnel scans items on all six sides independent of product orientation. It can read up to eight barcodes and UHF RFID tags on a given SKU.

WAREHOUSE MANAGEMENT SYSTEM (WMS) INTEGRATION

Sure Sort software integrates easily with your existing WMS to exchange item status and data for tracking and order verification.

PACK-TO-LIGHT

OPEX's configurable, LED, pack-to-light system notifies workers when orders are complete or additional actions are required.

PRODUCT DIMENSIONER

The optional dimensioner captures product attributes in real-time as items pass through the scan tunnel and provides up-to-date information to the WMS.

ADVANTAGES

SCALABLE

Expansion modules make adjusting to peaks in demand simple and easy to implement system-wide.

RAPID INSTALLATION

Sure Sort's modular design is pretested, delivered in construction order, and can be up and running in as little as three short days.

EFFICIENT

Compact in size, Sure Sort is an ideal solution for micro-fulfillment centres. It requires minimal labor, and is energy efficient.

FLEXIBLE

The Sure Sort footprint offers the maximum number of sort locations in the most limited space. For example, one Sure Sort system can replace up to six traditional put walls/shelving.

FAST ROI

While most capEX investments see a minimum five year ROI, Sure Sort provides a cost-effective entry into warehouse automation with payback in as little as two years.

CUSTOMISABLE AND DYNAMIC

Sure Sort can be customised to meet individual customer needs. By using product dimensions for decisioning, customers can maximise the number of sort locations in the same footprint.

SPECIFICATIONS

BASIC SYSTEM CONFIGURATION (FULL LENGTH)

Length	1.55 m up to 13.96 m	1.13 m for each additional expansion module
Width	3.35 m at the input conveyor	1.77 m at the expansion module
Height	2.72 m	

PRODUCT DIMENSIONS OF INVENTORY ITEMS

Length	5.08 cm to 38.1 cm
Width	5.08 cm to 30.5 cm
Height	0.017 cm to 15.24 cm
Weight	2.27 kg

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iBOTS	Up to 22	
Delivery Bins/Totes/Boxes (Mixed & Various Sizes)	7.62 cm, 10.16 cm, 15.24 cm, 27.94 cm 35.56 cm; supports gaylord, EU tote (600x400x300 mm), and delivery chute	
Throughput	Scalable up to 2,400 items per hour	
Barcode Readers	Up to 6-sided, automated OPEX scan tunnel	RFID
	Fixed mount readers	Batch scan
	Hand scanner	
Optional Dimensioner	Captures product dimension from 10 mm with a resolution of 2.5 mm Cubic volume bin reporting with dimensioner	
Automated Return Conveyor	Items recalled by WMS are returned for secondary action	
Pack-to-Light	Customisable LED indicators	
Expansion Modules	Up to 12	
Induction Conveyor Location	Option to install on either the right or left side at the front of the system	
HMI Languages Supported	English, French, German, Italian, Japanese, Korean, Portuguese, Spanish	

Contact us.

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