

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 touches required to run existing sorters. Regardless of shape, packaging, or orientation, Sure Sort™ sorter provides a better way to sort small items more accurately and efficiently. Single items of 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.

OPEX® Scan Tunnel

Standard up to six-sided scan tunnel scans items on all six sides independent of product orientation. It can read up to eight barcodes on a given SKU.

Warehouse Management System (WMS) Integration

Sure Sort™ software integrates easily with existing WMS systems to exchange item status and data for inventory 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.

Advantages

Scalable

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

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.

Efficient

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

Fast ROI

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

Customizable

Sure Sort™ can be customized to meet individual customer needs.

Rapid Installation

Sure Sort's™ modular design is pretested and shipped to be unloaded in construction order and up and running in as little as three short days.

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Specifications

Basic System Configuration (Full Length)

| SPECS | SURE SORT™ | |
|--------------|---|--|
| Length | 5.1' up to 45.8' (1.55 m up to 13.96 m) | 3.7' (1.13 m) for each additional expansion module |
| Width | 11' (3.35 m) at the input conveyor | 5.8' (1.77 m) at the expansion module |
| Height | 8.9' (2.72 m) | |

Product Dimensions of Inventory Items

| SPECS | SURE SORT™ |
|--------------|---------------------------------------|
| Length | 2.0" to 15" (5.08 cm to 38.1 cm) |
| Width | 2.0" to 12" (5.08 cm to 30.5 cm) |
| Height | 0.007" to 4.0" (0.017 cm to 10.16 cm) |
| Weight | Up to 5 lbs. (2.27 kg) |

Product

| | |
|---------------------------|--|
| iBOTS | Up to 22 |
| Delivery Bins | 4" (10.16 cm), 7" (17.78 cm), 12" (30.48 cm) |
| Throughput | Scalable up to 2,400 items per hour |
| Barcode Readers | Up to 6-sided, automated OPEX scan tunnel Fixed mount readers Hand scanner |
| Automated Return Conveyor | Items recalled by WMS are returned for secondary action |
| Pack-to-Light | Customizable LED indicators |
| Expansion Modules | Up to 11 |