



SDI

MARK IV TRAY SORTER

SPEED | ACCURACY | SPACE EFFICIENCY

PRODUCT APPLICATION

TECHNICAL

100

Store Distribution/ E-Commerce
Order Fulfillment / Returns Processing

PRODUCT OVERVIEW

The Mark IV Tilt Tray Sorter is designed to handle fragile or large products at rates of up to 6,000 units per hour.

The design has similar characteristics to the highly successful SDI Bombay style unit sorter, but can sort products that are more difficult to sort on the Bombay sorter. Its applications cast a wide net over diverse needs.

The trays can be plastic, aluminum or steel depending on the application.

The tray holds a product captive on three sides, with each tray slightly angled while moving to the appropriate destination, these attributes prevent products from falling out of the trays.

The Mark IV is particularly good for handling shoes and fragile items.

SORTABLE ITEMS

- Fashion accessories
- Footwear
- Full cases, general merchandise
- Books, mailers, (small packages/ envelopes)
- China glass

FEATURES

- Standard software package
- PC-based controls package
- Distributed IO modules
- Single-sided
- 6,000 trays per hour
- Max product weight is 18 lbs.
- Tray actuation is pneumatic or electrical
- Detailed reporting
- Noise level below 75 DB





BENEFITS

- Automatically sort individually-packaged products and products with bar codes
- Dramatically reduce manual labor costs associated with sortation
- Distributed IO allows simple troubleshooting
- Simple machine design results in easy maintenance
- Increased accuracy
- Decreased processing time
- Economic price allows implementation of multiple machines at same cost basis as alternative single machine solutions

SORTER	TRAY CENTERS	LENGTH	WIDTH	TRAYS/HR	OVERALL WIDTH
TT21	21"	18"	18"	6,000	7" – 4"
TT24	24"	24"	24"	5,250	8' – 4"
TT27	27"	27"	27"	4,666	9' – 0"

ABOUT SDI

SDI is an innovative provider of systems and solutions to the retail, wholesale, fulfillment and e-commerce industries for all aspects of distribution center material handling.

As both consultants and systems integrators, the company provides clients with a total logistics solution package, which includes material handling consulting, design, engineering, fabrication, installation and integration services.