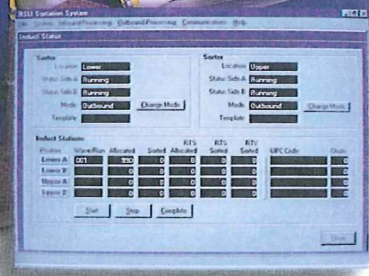


RSU™

Reliable Sorting Unit



W&H SYSTEMS'
RSU™ TRAY SORTER...
RAPID AND RELIABLE SORTING
AT A REASONABLE PRICE

W&H Systems' RSU Tray Sorter provides a durable, inexpensive and accurate method of sorting a wide range of products.

The flexible nature of the RSU enables unique system configurations that match specific application needs, while the simple design allows for a low up front investment and minimal annual maintenance costs... thus making the RSU Tray Sorter an excellent choice for many sorting requirements.

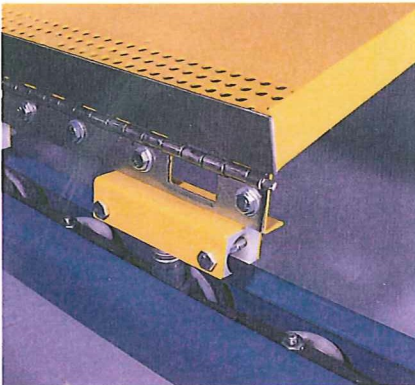
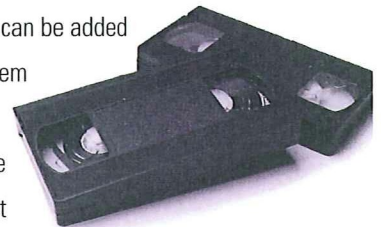
RSU Operation

The RSU Tray Sorter consists of tilted carrying trays traveling on an enclosed track conveyor. Items are inducted onto the trays either manually or automatically, and are

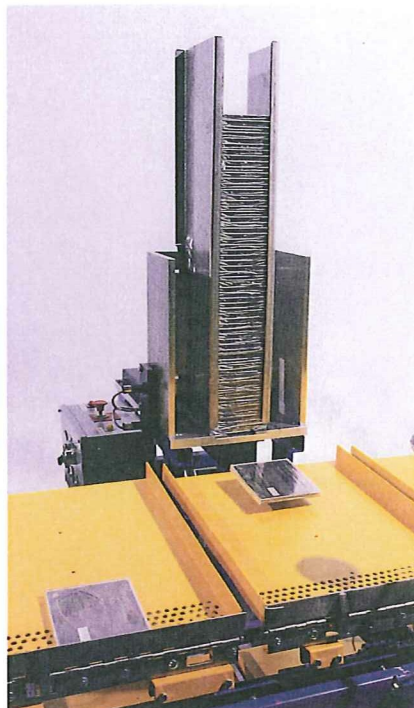
transported along the track to their destination. To improve productivity, the trays are presented to the operators in a horizontal position at the induction areas and are later tilted for sortation. Items are identified by either operator entry using keypad, wand or hand scanner or by in-motion bar code scanning directly on the sorter. Destinations are determined from resident or downloaded destination tables or from distribution lists. As the carrying trays reach their discharge point, electronic signals actuate divert mechanisms that

release the bottom edges of the trays. The items gently slide from the tilted trays to their proper chute or directly into their shipping carton. After delivering their load, a simple reset mechanism returns the bottom edge of each tray to its closed position and the trays are returned to the induction area.

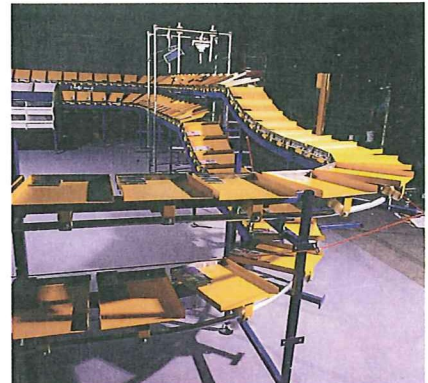
Standard RSU models are capable of handling from 4,725 to 14,175 trays per hour per induction area. However, multiple induction areas can be added to increase system throughput and custom trays are available to meet most application requirements. The result is that an RSU system design can be configured to meet specific needs in the most cost effective manner.



Tray Attachment



Automatic Induction



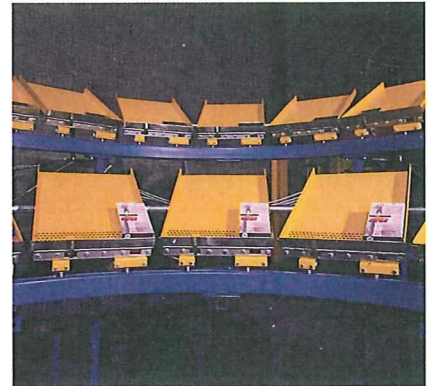
Flexible Design



Manual Induction



In-motion Scanning



Product Transport

RSU Features & Benefits

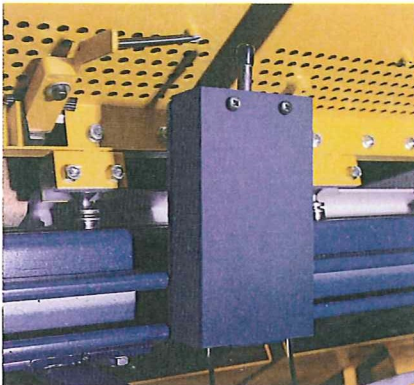
There are five general features and benefits provided by W&H Systems' RSU Tray Sorter:

LOW COST

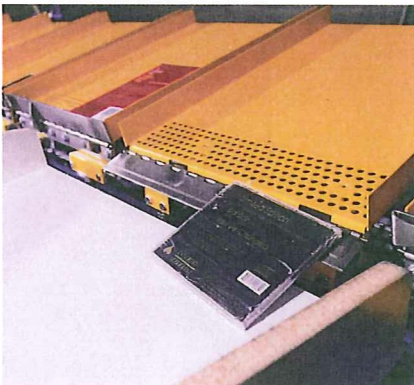
The chief advantage of the RSU is its low initial investment and minimal operating costs. The simple, uncomplicated design of the RSU minimizes manufacturing and installation costs compared to other sorters. Maintenance and repair costs are greatly reduced by using standard, proven components. Simply, the RSU provides low cost sorting capabilities and a quick return on investment.

RELIABILITY

The design of the RSU provides a great degree of system reliability. By relying mainly on simple, proven mechanical and electrical components, the individual and



Divert Mechanism



Product Release

total systems failure rates are reduced to negligible levels. The end result of this excellent reliability is an outstanding level of system uptime.

SIMPLICITY

Simplicity in design and manufacturing allows the RSU to be extremely cost effective. The sorter consists of carrying trays, equipped with a hinged bottom edge, traveling along a basic enclosed track conveyor. The transport system, as well as the sorting mechanisms, use uncomplicated, mechanical and electrical components to deliver product to its destination. This simplicity insures that installation of an RSU system is easy and can be completed in a reasonable time frame.

ACCURATE, GENTLE HANDLING

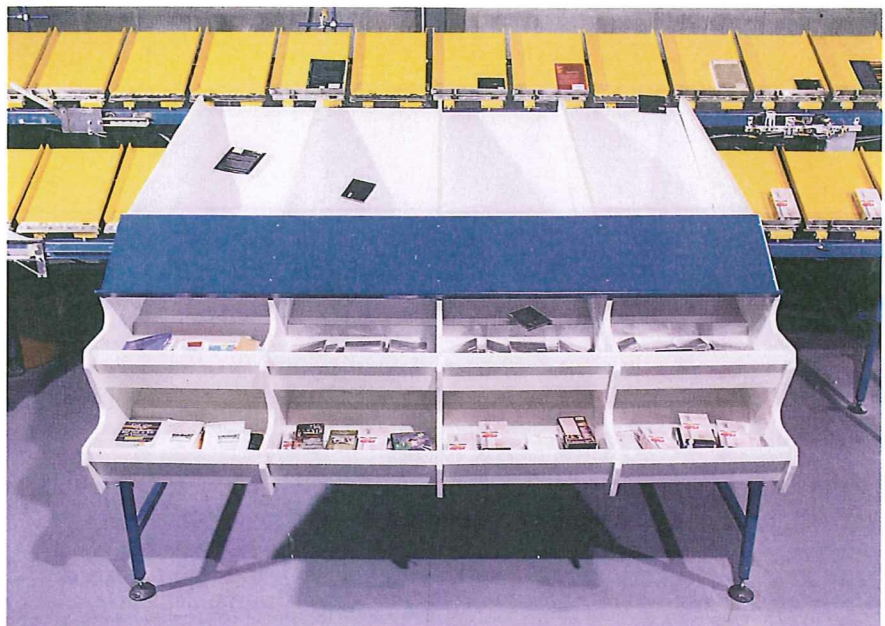
The RSU control system links the products ID to its specific carrying tray and the natural motion of the RSU automatically positions the product in the back corner of the tray. Since the position of the item within the tray is controlled, the discharge

of the product from the trays is extremely accurate. The RSU also provides gentle handling of product by using gravity for a smooth transition from the tilted tray to a chute or shipping carton.

FLEXIBILITY

The RSU's design allows for a great deal of flexibility. The enclosed track conveyor can be designed with vertical or horizontal curves to provide a unique system design or compensate for building constraints. Systems can be configured to sort either to the inside or outside of the sort loop, or even to both sides if necessary. Also, configurations can be created that allow multi-level packing chutes on the same face. Generally, an RSU system can be tailored to meet most application requirements.

RSU[™]
Reliable Sorting Unit



Dual Level Chute

RSU Applications

W&H Systems' RSU Tray Sorter is an ideal choice for many material handling applications in numerous industries. It is capable of sorting small to medium sized cartons, totes, polybags and envelopes as well as various individual items such as:

*Flat Apparel
Accessories
Footwear
Greeting Cards
Office Supplies
Books/Magazines
Compact Discs
Audio Cassettes
Video Tapes
Software
Direct Mail/Literature
Health & Beauty Aids
Optical Products
Retail Drugs
Auto Parts
and others...*

It is an excellent choice for your sorting needs if:

■ *You currently sort product manually and believe automated sortation is too expensive.* The RSU provides exceptional sort rates, and the initial investment and maintenance costs are low. This allows for a quick return on investment and enables an RSU system to be cost justified when other automated sorting methods can not.

■ *You currently pick multi-item orders.*

An extremely efficient way to assemble multi-item orders is to have personnel batch pick items from their storage locations and sort them with an RSU to specific customer or store orders.

■ *You currently process/restock "returns".*

The RSU provides an inexpensive method of automatically sorting customer or store returned merchandise to stock locations.

Technical Specifications	
Maximum Speed	120 feet per minute
Maximum Product Dimensions	Dependent on tray size (see specific model)
Minimum Product Dimensions	2¼" L x 2" W
Maximum Product Height	Dependent on load characteristics (consult factory)
Product Weight	1 oz. to 25 lb. (for heavier loads, consult factory)
Induction Types	Manual or Automatic

Standard RSU Models			
	RSU-7	RSU-15	RSU-23
Tray Size	7"L x 20"W	15"L x 20"W	23"L x 20"W
Maximum Product Size	10"L x 5"W	18"L x 13"W	28"L x 21"W
Tray Centers	16¼"*	16¼"	24¾"
Trays/Hr/Induct Area	11,040	5,520	3,600

* Incorporates a split tray design.