

RSU Tilted Tray Sorter

RSU Tilted Tray Sorter provides a rapid and reliable sorting solution that is a durable, inexpensive and accurate method of sorting a diverse range of products. The sorter consists of tilted carrying trays traveling on an enclosed track conveyor. Items are placed into the trays either automatically by an induction conveyor or manually by an operator and travel in the tray along the sorter on a track. Once product reaches its destination, the Divert Door of the tilted tray opens and the product is discharged via a gravity chute so the product can fall into its designated sorting location.

Technical Data:

<p>Models:</p> <ul style="list-style-type: none"> ▪ RSU-15: 15" x 20" tray with 16-1/4" centers ▪ RSU-18: 18.25" x 20" tray with 20-5/16" centers ▪ RSU-23: 23" x 20" tray with 24-3/8" centers 	<p>Configurations:</p> <ul style="list-style-type: none"> ▪ Single or Double induction station design ▪ Manual: Operator loaded ▪ Automatic: Meter Belt Conveyor ▪ Consult with NACI for additional configurations 	<p>Sorter Speed:</p> <ul style="list-style-type: none"> ▪ Induct product into trays at rates up to 120 feet per minute ▪ Sort at rates up to 88 trays per minute
<p>Live Load Capacity:</p> <ul style="list-style-type: none"> ▪ Up to 25 lbs per object(s) loaded into each tray ▪ Consult with NACI for additional loading options 	<p>Chutes:</p> <ul style="list-style-type: none"> ▪ Optional chutes can be designed/manufactured per job requirements ▪ Chute centers to be minimum of 1.5 X tray width 	<p>Tray Parameters:</p> <ul style="list-style-type: none"> ▪ Standard tray side height is 1.5", maximum is 3" ▪ Standard divert door height is 1.5", maximum is 5" ▪ Additional tray sizes and center locations are available upon request
<p>Product Dimensions:</p> <ul style="list-style-type: none"> ▪ Maximum product height is 8" ▪ Minimum and Maximum product length and width dimensions are dependent on tray size ▪ Product must fit inside tray 	<p>Drive:</p> <ul style="list-style-type: none"> ▪ Chain driven system ▪ Chain has nylon wheels, not steel ▪ Approximately 800 ft of linear chain per drive ▪ Air cylinder operated take-up provided as a standard; automatic spring take-up available as an option 	<p>Tray Tilt Angle:</p> <ul style="list-style-type: none"> ▪ Tray may be tilted from 0° to 37° ▪ Tray must be tilted at 37° angle when traveling through take-up section

Features:

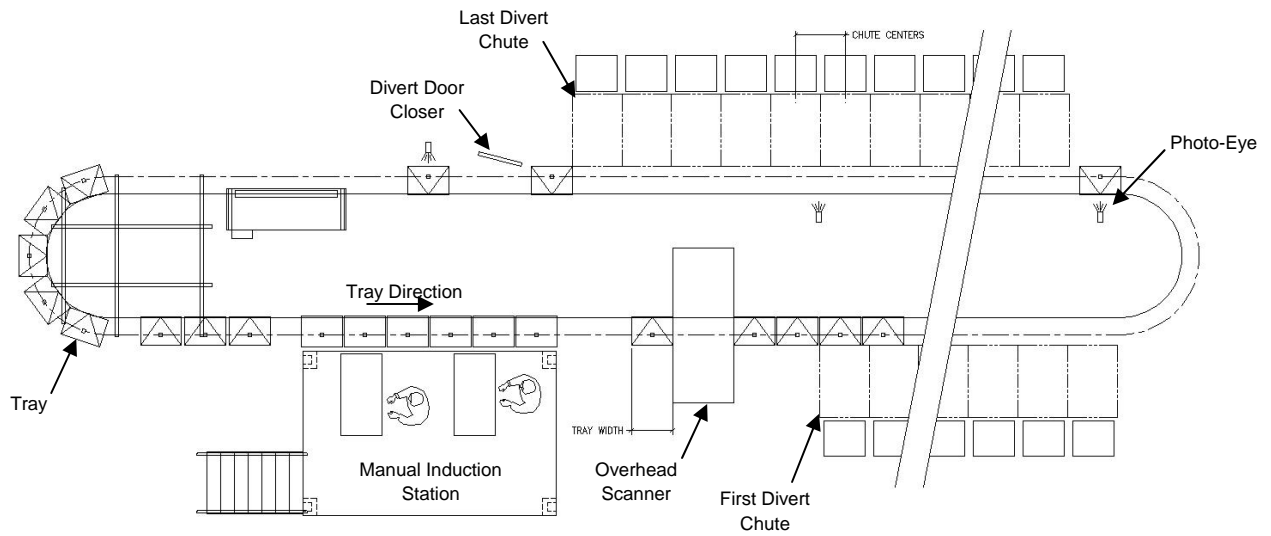
- Low Cost
- Accurate & Reliable
- Simple & Flexible Design
- Gentle Handling
- Low Maintenance

Applications:

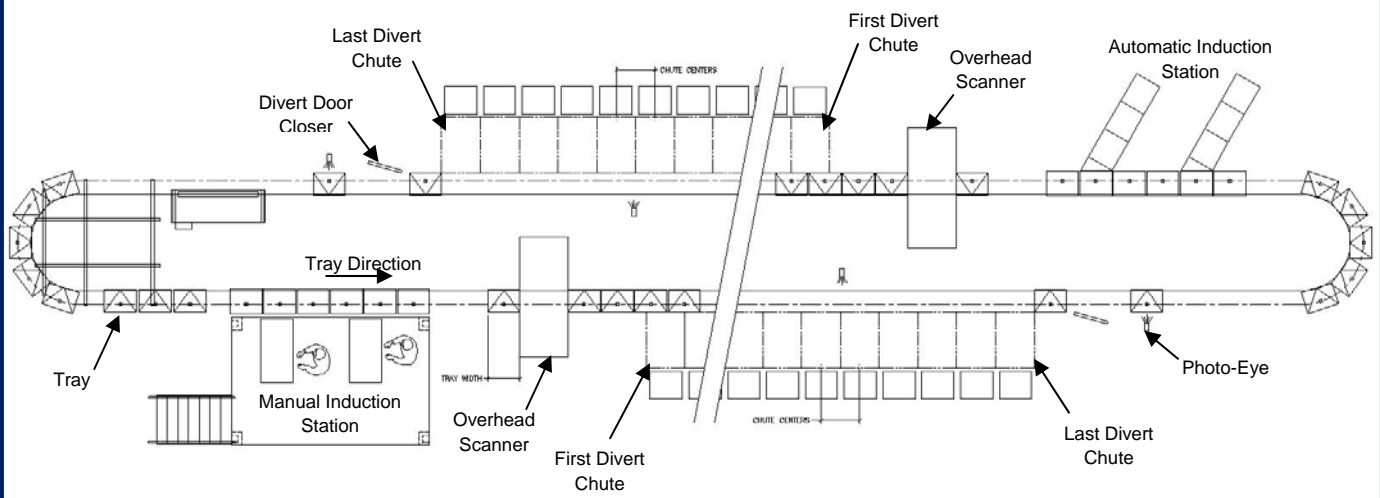
- Small to Medium Sized Cartons, Totes, Polybags and Envelopes
- Individual Items: Flat Apparel, Footwear, Office Supplies, Retail Drugs, etc.

Options:

- Vertical / Horizontal Curves
- Incline / Decline
- Sort Inside / Outside Loop
- Multi-Level Trays



Single Induction Design



Double Induction Design

