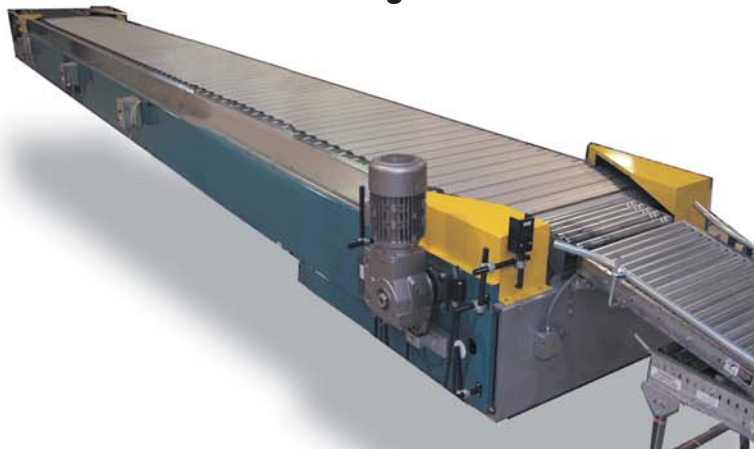




AutoSort 13 - Sliding Shoe Sorter

Re-Designed for 2008



MECHANICAL CHARACTERISTICS

High Speed

Extruded Aluminum Cross Tubes
Molded Pushers
Sound Insulation For Noise Reduction

Nominal Conveyor Widths:
 24", 30" & 36"

Sort Rate Capacity:
 Up to 250 Cartons Per Minute at speeds up to 550 Feet Per Minute. Sort rate is dependent upon carton size & weight, required gap between products, and system design.

Carton Weight Capacity:
 Up to 200 pounds, depending on sort rate and system design.

Switch - Pneumatic & Electric:
 For rates greater than 150 CPM electric switches are required. For rates less than 150 CPM choose between electric or a pneumatic switches. Nominal operating pressure of 65 psi is required for pneumatic switches.

SPECIFICATIONS

Typical Applications:
 Shipping Sortation
 Receiving Sortation

Sortation Belt Conveyor
Live Load Capacity:
 Up to 100 lbs/ft. depending on width roller centers, supports, etc.

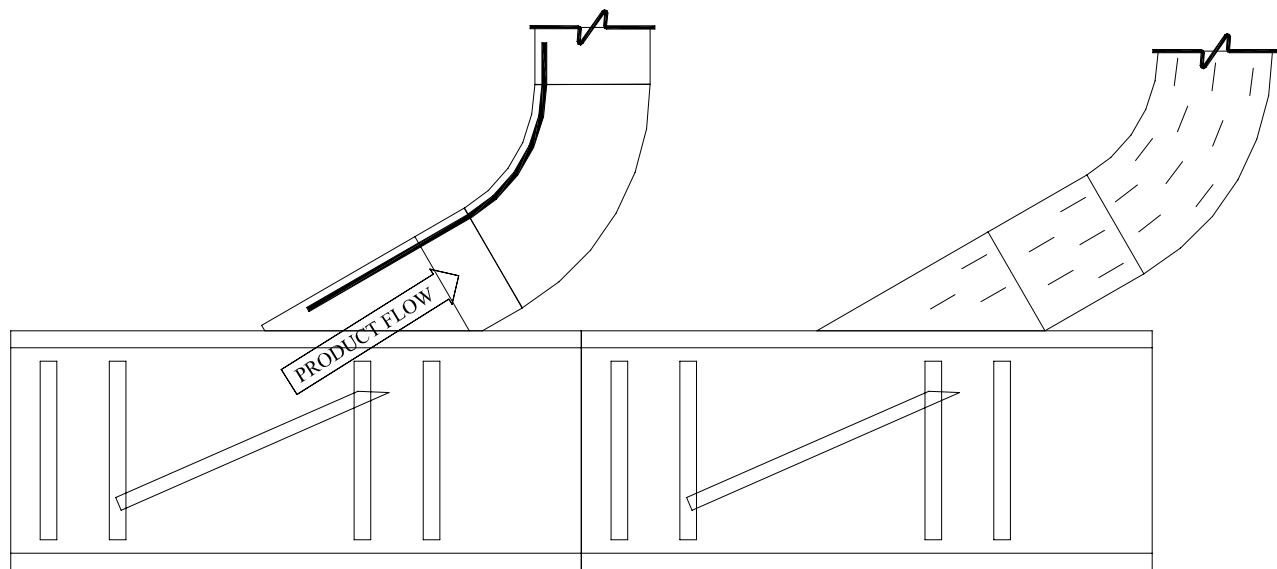
FEATURES

Ideally suited for heavy duty applications, Automotion's AutoSort 13 Sliding Shoe Sortation Conveyor is a high speed, positive divert sorter that is designed to accurately track and gently sort all types of carton sizes and configurations at designated points along the transportation line with a totally reliable sort rate. A wide range of packaged goods and materials, in virtually any mix are easily and conveniently transported to their assigned zones at high sortation speeds. Automotion's modularly designed Sliding Shoe Sorter Conveyors represent the ultimate in sortation systems that depend on both tracking and sorting within the system.

Product to be sorted is tracked and diverted by pushers (sliding shoes) which are designed to operate from the inside of the extruded carrying tubes through a slot running the length of the extrusion. This allows for free, unobstructed operation even when the carrying surface of the slat becomes contaminated with debris. The load carrying cross tube assemblies are bolted to one pair of attaching links on the heavy duty #120 double pitch roller chain. Internal, pneumatically operated switch stations located beneath the carrying tubes guide the sliding shoe pushers. Precision bearing wheels on all working load components have been applied in lieu of wear strips, greatly reducing drive train load pull requirements and chain stretch.

The air operated and optional electric switch stations are modular units designed to be serviced through the top of the conveyor for easy, unobstructed access. Automotion's high speed sliding shoe sortation units allow for unparalleled flexibility in designing a dependable sortation system limited only to the size and scope of the transportation system itself.





Nominal System Widths:

24", 30" & 36"

Nominal Divert Switch Angles:

20° and 28° dependent upon sort conveyor speed and system design.

Divert Configurations:

Single side divert, right or left side. Dual side divert station having directly opposing divert lanes. Number of divert stations and minimum station centers limited by carton size, distance between diverts, angle of divert switch track, and conveyor pull requirements.

Safety Jam Switch Detectors:

Each switch station has an internal override jam switch detector to shut down the conveyor in the remote chance a pusher escapes the track.

Options:

Full Length Bottom Covers (20' included at each end standard). Powder Coat or Galvanized Finish.

Electric divert switch:

Rates under 150 CPM - Optional

Rates over 150 CPM - Required

Integral Belt Conveyor Infeed Unit:

The AutoSort also includes an integral belt conveyor infeed unit that works in conjunction with the terminal end/chain take-up arrangement to provide a consistent transition of product at all times onto the sorter carrying tubes without moving the entry location of the sorter.

Easy Maintenance & Reliability:

Entire tube & pusher assembly can be removed from the top of the conveyor by removing only four (4) bolts. This will expose the divert switch assembly which can also be taken out from the top by removing only four (4) bolts. This modular construction of components, extruded aluminum carrying tube assemblies, high strength, low friction plastic materials for pusher slides and divert switch blocks, greatly reduces maintenance and adds to machine longevity.



One side Sorting - 250 CPM max.



Both side Sorting - 150 CPM max.

11000 South Lavergne Avenue Oak Lawn, Illinois 60453-5500

Phone: 708-229-3700 Fax: 708-229-3799

www.automotionconveyors.com

info@automotionconveyors.com