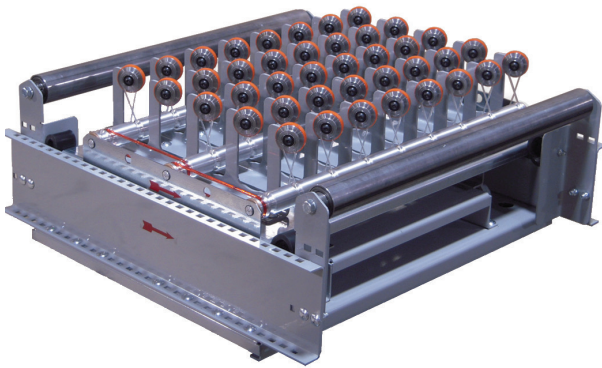


AutoSort 16 MB30 Pop Up Wheel Sorter High Speed



Reaching conveyor speeds of 400 fpm and a sort rate of 100+ cpm, the MB30 multi-belt sorter is both fast and accurate. In lieu of one wide belt, the MB30 utilizes multiple smaller width belts to carry product.

The belt tracks feature a unique rolling design; not a sliding design common in similar sortation technology. Precision bearings reduce belt pull, resulting in longer belt life, quieter operation and a significant reduction in required horsepower. Economical use of power is also evident in the design of the divert stations. Product is smoothly conveyed along the carrying belts until it reaches a divert point. At the precise moment, five rows of pop-up wheels situated between the belts and angled at 30 degrees, are pneumatically raised. The high-friction wheels make positive contact with the product; lift it off the belts and divert it onto a 30 degree take-away. The divert wheels are powered by the main conveyor and require no additional drives.



Mechanical Characteristics

Divert Assembly

Five rows of divert wheels, angled at 30° and situated between the belts are pneumatically raised to make contact and lift the product of the sorter belts and onto a take-away conveyor. The wheels are powered by the main conveyor.

Nominal Conveyor Widths

18", 25" and 32"

Sorter Speed

Up to 400 feet per minute. Actual sort rate is dependent upon carton size and weight and system design.

Carton Weight Capacity

Up to 75 pounds, depending on

sort rate and system design.

Compatible Conveyor

Automation's Multi-Belt sortation conveyor.

Air Requirements

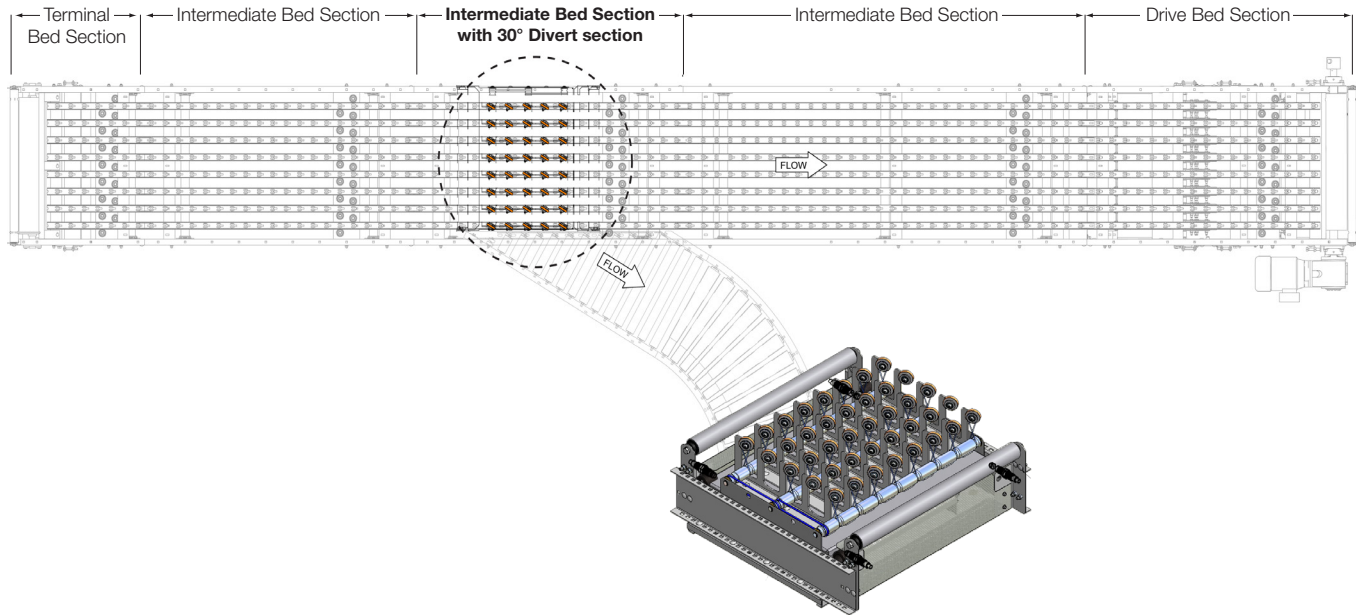
Nominal operating pressure is 60 psi.

Conveyor Solutions
AutoSort 16 MB30 Pop Up Wheel Sorter
High Speed



Technical Detail

Plan View



Specifications

Wynright's multi-belt sorter is a simple modular system composed of a drive section, intermediate beds, divert beds, and a tail section. The intermediate beds are available in sections of 24" to 120" in 6" increments. For added design flexibility, a divert bed can be easily relocated on 1" increments, maximizing your sortation capability.

Typical Applications

- Shipping Sortation
- Receiving Sortation

Sortation Belt Conveyor Live Load Capacity

Up to 50 lbs/ft. depending on width, roller centers, supports, etc.

Standard Belt Width

1-1/4"

Divert Configurations

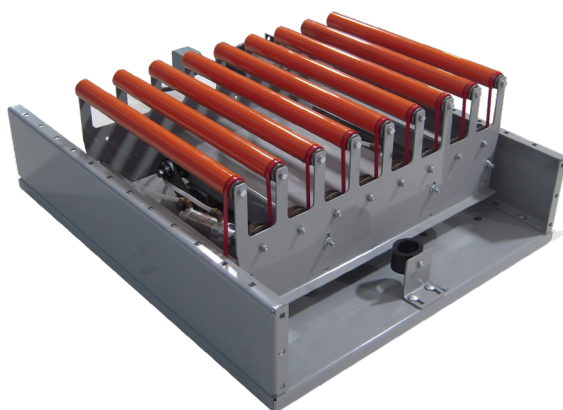
Single side divert, right or left hand. Diverting to both sides is accomplished by using (2) sort stations. Divert side pre-alignment is required.

Minimum 36" divert station centers.

Options

- Auxiliary Take-Up
- Guard Rail and Supports
- Drop Kit
- Bottom Covers

AutoSort 17 MB90 Pop Up Roller Sorter High Speed



Reaching conveyor speeds of 300 fpm and a sort rate of 60+ cpm, Wynright's MB90 multi-belt sorter is both fast and accurate.

In lieu of one wide belt, the MB90 utilizes multiple smaller width belts to carry product. The belt tracks feature a unique rolling design; not a sliding design common in similar sortation technology. Precision bearings reduce belt pull, resulting in longer belt life, quieter operation and a significant reduction in required horsepower.

Economical use of power is also evident in the design of the divert stations. Product is smoothly conveyed along the carrying belts until it reaches a divert point. At the precise moment, a series of pop-up rollers situated between the belts, are pneumatically raised. The high-friction rollers make positive contact with the product; lift it off the belts and divert it onto a 90 degree take-away. The divert rollers are motor driven and are only actuated when necessary.



Mechanical Characteristics

Divert Assembly

Divert rollers, situated between the belts are pneumatically raised to make contact and lift the product off the sorter belts and onto a take-away conveyor. The rollers are motor driven.

Nominal Conveyor Widths

18", 25" and 32"

Sorter Speed

Up to 300 feet per minute.
Actual sort rate is dependent upon carton size and weight and system design.

Carton Weight Capacity

Up to 75 pounds, depending on sort rate and system design.

Compatible Conveyor

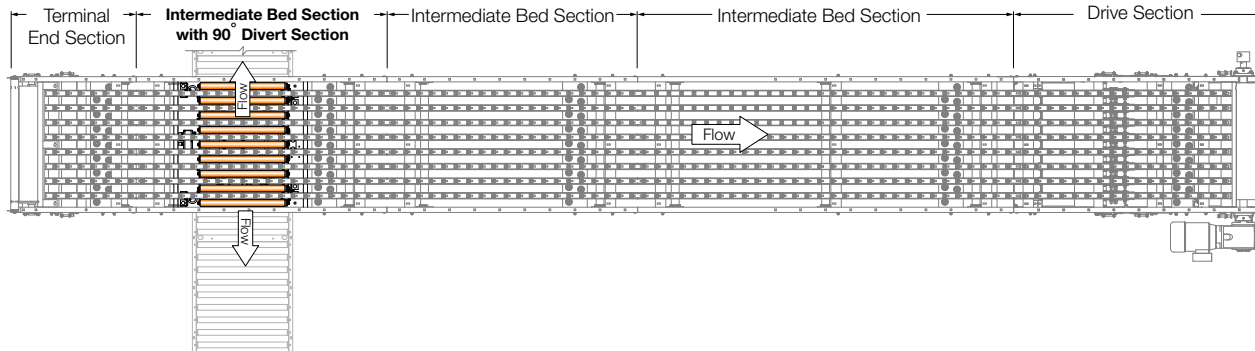
Automotion's Multi-Belt sortation conveyor.

Air Requirements

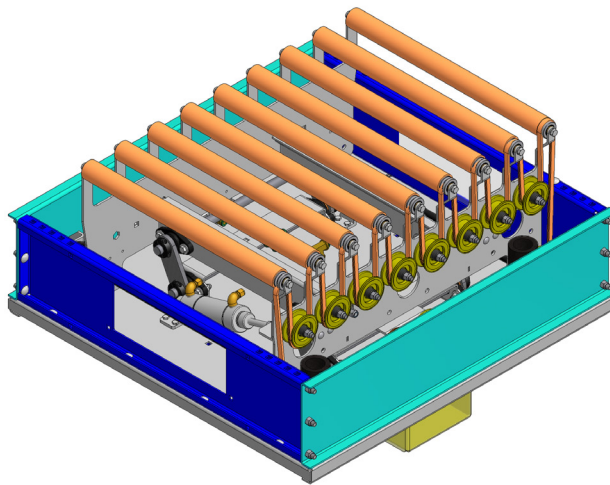
Nominal operating pressure is 60 psi.

Technical Detail

Plan View



Detail View



Specifications

Wynright's multi-belt sorter is a simple modular system composed of a drive section, intermediate beds, divert beds, and a tail section. The intermediate beds are available in sections of 24" to 120" in 6" increments. For added design flexibility, a divert bed can be easily relocated on 1" increments, maximizing your sortation capability.

Typical Applications

- Shipping Sortation
- Receiving Sortation
- Pack Station or VAS Sortation

Sortation Belt Conveyor Live Load Capacity

Up to 50 lbs/ft. depending on width, roller centers, supports, etc.

Standard Belt Width

1-1/4"

Divert Configurations

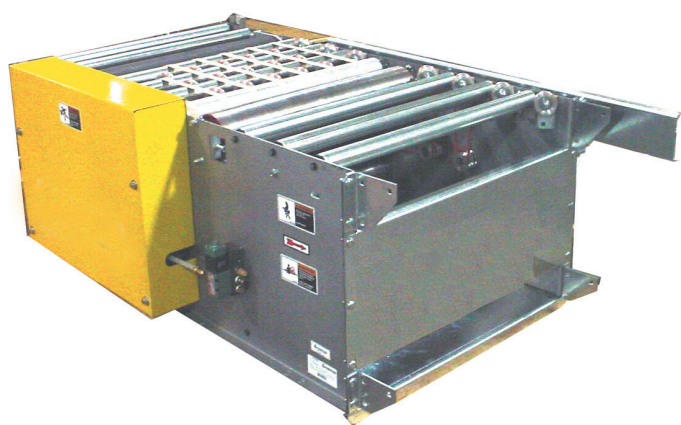
One side or two-sided divert. Divert side pre-alignment is not required.

Minimum 36" divert station centers.

Options

- Auxiliary Take-Up
- Guard Rail and Supports
- Drop Kit
- Bottom Covers
- Terminal End Covers
- Pop-Out Roller at Terminal End
- Powder Coat Finish

AutoSort 5 Pop-Up Wheel Sorter High Speed



Wynright's 45° Pop-Up Wheel Sortation system handles a wide range of carton sizes, operates with a more positive sort rate and performs with outstanding accuracy. Modular in design. These units allow for un-paralleled sorter design flexibility. The number of divert points is limited only to the size and scope of the transportation system itself.

Sorter lengths are unlimited, providing countless diversion configurations that surpass the flexibility of almost any other sorter. The Pop-Up Wheel Sort Stations are designed to be compatible with Wynright's standard belt conveyor fitted with slip top belting.

These units are designed for fast and easy maintenance. The pop-up wheel assembly can be removed from the top of the divert station. Divert wheel urethane drive belts are easily changed, and the main urethane drive belts are externally mounted for easy access. These features greatly reduce maintenance downtime and add to machine reliability.



Mechanical Characteristics

Divert Assembly

Three rows of slave driven, skewed divert wheels are mounted in a carriage get raised above the sorter plane, changing the case direction in a positive manner.

Nominal Conveyor Widths

24", 30" and 36"

Sorter Speed

Up to 300 feet per minute on Sortation Belt Conveyor. Sort rate is dependent upon carton size and weight and system design.

Carton Weight Capacity

Up to 75 pounds, depending on sort rate and system design.

Compatible Conveyor

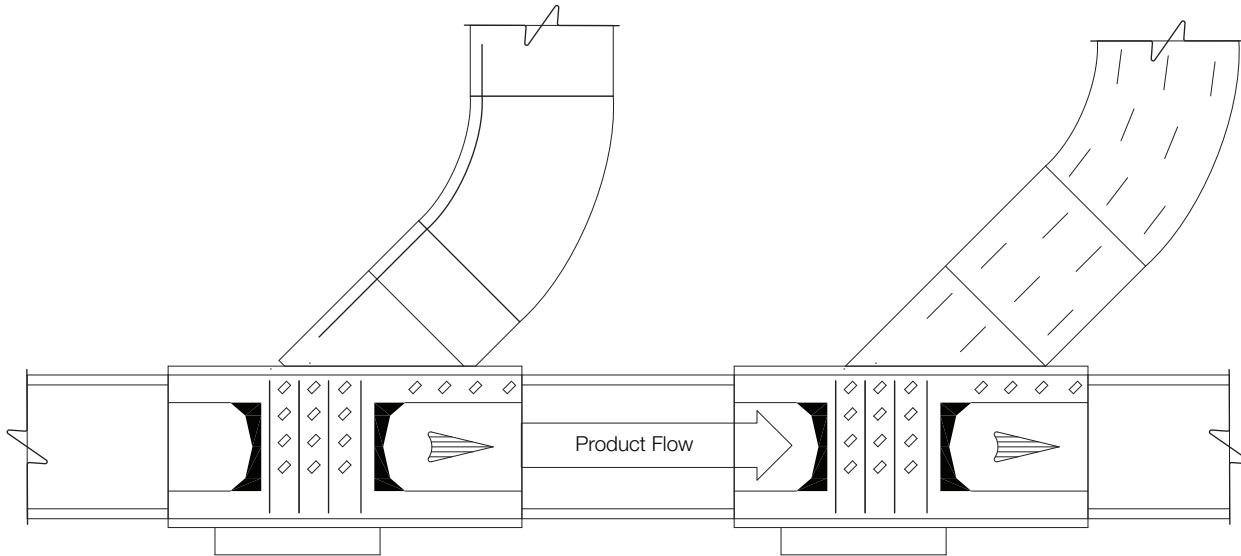
Automation high speed slick top belt sortation conveyor.

Air Requirements

Nominal operating pressure is 80 psi.

Technical Detail

Plan View



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.

Standard Belt Widths

20", 24" and 30"

Divert Configurations

Single side divert, right or left side. Main line sort belt with individual drives can be linked together in a series to provide any number of diverts. Minimum 69" divert station centers.

Options

- Various Take-Up Options
- Guard Rail and Supports
- High Speed Bearings (standard for speeds greater than 180 FPM).
- Power Take-Off Units
- Drop Kit
- Bottom Covers
- Terminal End Covers
- Pop-Out Roller at Terminal End
- Powder Coat or Galvanized Finish