

CUT SHEET

NBS[®]90 SP

Narrow Belt Sorter 90° Small Parcel



SORT SMALL PRODUCTS LEFT AND RIGHT AT HIGH RATES

MHS Conveyor NBS90 SP is the ideal solution for rapid, reliable right-angle sortation of small products in either a single direction or left and right.

A series of narrow belts, each with individual take-up, enable the system to precisely track product as it reaches specified divert points. High-friction rollers then rise to grip and gently divert product at a 90 degree angle in either direction to a conveyor, chute or directly into a container.

The NBS90SP carries product at speeds up to 300 feet per minute and achieves a sort rate of up to 120 products per minute.

Divert points can be as close as 18", making the compact NBS90SP perfect for sorting product as small as 4" x 4".

STANDARD SPECIFICATIONS

Bed Widths

- Nominal widths of 11.5W and 14W
- OAW; 11.50" and 14"
- BF dimensions; 9.50" and 12"

Bed Lengths

1'-0" to 10'-0" in 1" increments

Carry Belts

Black PVC; 0.9375" wide x .203" thick, 85 Durometer, 200 lbs. / inch strength.

Belt Quantity

- 11.5W = 3 belts
- 14W = 4 belts

Carrying Rails

Extruded aluminum rails mounted on 2.5" centers side to side.

Transfer Roller Length

11.5", 14.5", 17.5", 20.5" and 23.5" BF is standard. Coating covers 9", 12", 15", 18" and 21" respectively.

Transfer Roller Quantity

11.5W = 4 rollers, 14W = 5 rollers

Drive

The 2'-9" drive is capable of 325lbs. belt pull. It has no internal belt take-up and must be paired with the separate belt take-up bed.

Take-up

The belt take-up bed allows for unit lengths of up to 50'-0" per take-up. A minimum of one take-up must be used for each unit.

End Bed

End beds contain an end pulley and a snubber roller for belt return. They are 18" long and contain a pop-out gap roller on the discharge end.

End Pulleys

4" diameter Flat Face, 1-3/16" shaft, eccentric lock collar.

Standard Speed

120, 150, 180, 200, 220, 250 and 300

Transfer Rate

Transfers are capable of rates up to 120 CPM dependent on the load length. All transfers are reversible for dual sided transferring.

Temperature Range

+50F to +120F. **System requirements below +50F should be referred to the Applications Engineering department for analysis. Additional horsepower may be required.**

Paint

Components located within the framework are painted black. All other components are painted job color. All MHS Conveyor paint is powder coated.

CUT SHEET

NBS[®]90 SP



Narrow Belt Sorter 90° Small Parcel



A series of narrow belts, each with its own take-up, span the length of the conveyor. High-friction rollers rise up between the belts, accurately diverting small product at right angles to one side or both sides.

Features	Benefits
High speed sortation of small products	Maximize throughput
Reversible diverter drive	Divert right and left, saving space
High-friction transfer rollers	Positive acceleration and maximum divert rate
Pick up product “on-the-fly”	Maximize sort rate
Product is conveyed on belts until sorted	Increased accuracy of control tracking
Compact design of divert module	Close center of divert points
Individual belt take-ups	Long belt life and reduced maintenance

ADD Patent Number

ABOUT MHS CONVEYOR

MHS Conveyor is a leading worldwide supplier of dynamic, high-quality automated conveyor and sortation technologies used to transport a wide variety of products. MHS Conveyor manufactures high-quality equipment, sold through a partner network of factory-authorized distributors as part of complete, integrated logistics solutions engineered to meet the needs of each customer.

MHS Conveyor Corporation

1300 E. Mt. Garfield Road
Norton Shores, MI 49441
231.798.4547

mhs-conveyor.com

