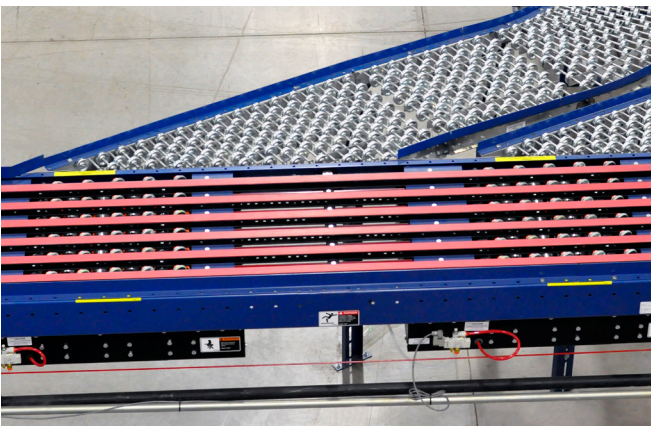


CUT SHEET

NBS[®]30

Narrow Belt Sorter (NBS) 30°



EFFICIENT AND CONSISTENT SORTATION UP TO 100 CPM

Narrow belt sortation at speeds up to 300 feet per minute and a sort rate of up to 100 cases per minute via a series of narrow belts, each with a patented individual take-up.

Multiple rows of divert wheels powered by the main conveyor allow for 30-degree diverting. The innovative design reduces cost, energy consumption, and maintenance.

NBS 30 diverts experience less tipping and skewing of product, and more accurate diverting characteristics than other diverts. Even unstable products are successfully diverted with the exclusive limited slip-clutch design, which provides a small acceleration ramp for diverting.

Energy consumption of NBS is 88% less than traditional belt with pop-up wheel sorters and 60% less than conventional sorters. This energy savings also translates into less noise, belt pull, and component wear. Belt mistracking is eliminated with the total belt retention system.

Installation time for NBS sorters can be 50% less than conventional sorters due to the simplicity of the construction and NBS diverters can be easily repositioned or reconfigured.

STANDARD SPECIFICATIONS

Bed Widths

- Nominal widths of: 18W, 24W and 32W.
- OAW; 18.25", 25.25", and 32.25".
- BF dimensions; 16.25", 23.25" and 30.25"

Bed Lengths

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

Carry Belts

Red urethane belt; 1.25" wide x .203" thick, 90 Durometer, 150 lbs. / inch strength.

Belt Quantity

18W = 4 belts, 25W = 6 belts, 32W = 8 belts.

Carrying Rails

Low friction bearing rails mounted on 3.5" centers side to side. Pairs of wheels mounted internally on nominal 4" centers.

Divert Wheels

Either 3 rows or 5 rows of urethane covered wheels nested between the carrying belts. Number of rows across the unit varies with the width. 18W = 4 Rows, 25W = 6 rows, 32W = 8 rows. The first row of wheels is set outside the last belt on the divert side.

Return Rollers

1.9" diameter plated shell with ABEC-1 precision bearings and a 7/16" hex axle.

Drives

There are two drive lengths; 5'-0" and 6'-0". The 5'-0" drive is capable of 500# belt pull or a maximum length of 45'-0". The 6'-0" drive has a much longer belt take up and so is capable of 500# belt pull or 200'-0" maximum length.

Paint

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

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CONVEYOR



A series of narrow belts, each with its own take-up, span the length of the conveyor. High-friction divert wheels rise between the belts, accurately diverting product at a 30-degree angle. The NBS 30 is as efficient as it is fast—divert wheels are driven from the main conveyor, eliminating the need for extra drives.

Features	Benefits
Main conveyor drives divert wheels	Minimum power consumption and operating cost, best value capital investment
Product is conveyed along entire length on belt	Quiet operation, increased accuracy of diverts
Simple design	Ease of maintenance
Individual belt take-ups	Smooth product flow, long belt life
Three or five rows of wheels with precision bearings	Reliability of divert, maintaining orientation
High-friction divert wheels with precision bearings	Positive and quiet divert
Modularity of divert mechanism	Allows easy reconfiguration of system

U.S. Patent 7,581,632

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

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