

**NBS WAVE 200 INCREASES THROUGHPUT PERFORMANCE**

NBS WAVE 200 sorter is the only technology like it on the market today – leading the industry in reliable high speed sortation.

The NBS WAVE 200's simplistic functionality and operation allows sortation rates of up to 200 CPM with a variety of carton sizes and weights.

This innovative technology allows for reducing the average gap between products from the original 12" down to 6" recommended, with a tolerance of  $\pm 3"$ . With the increase in rate, the NBS Wave 200 can compete equally with shoe sorter rates at approximately 60% of the cost.

The NBS Wave 200 carries product at speeds up to 425 feet per minute. The compact design allows for divert points every 48" a capability that's ideal for today's distribution centers.

**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**

6 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.

**Auxiliary Take-up**

There is an auxiliary belt take-up available to be used with the 5'-0" drive if belt pull is low and unit length exceeds 45'-0". It is 5'-0" long and available in all widths.

**End Beds**

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**

5" diameter Flat Face, 1-7/16" shaft, eccentric lock collar.

**Speed**

210 FPM minimum to 425 FPM maximum (with certain products). Not all speeds are available with all HP's.

**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® Wave 200

## Narrow Belt Sorter (NBS) Wave 200



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.

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
Six 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

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

[mhs-conveyor.com](https://mhs-conveyor.com)

