



NBS PROVEN ADVANTAGES OVER CONVENTIONAL SORTERS

Unique NBS conveyors are specifically designed for quiet operation. Features such as, several narrow belts instead of one wide belt, belts running in a track, elimination of drive mechanisms at divert points, minimal belt snubbing at 30 degree divert points, optimum belt tension on each narrow belt with patented automatic belt take-up, and no product-to-roller noise at any divert point contribute to a sorter so quiet that actual sound pressure measurements are 75% less than those for conventional sorters.

Minimizing energy consumption is good business practice. The NBS design features described above not only reduce noise, but also contribute toward lowering horsepower requirements. In addition, NBS pneumatics consumes a very small quantity of air. These are all factors contributing to NBS energy consumption of at least 60% less than conventional sorters.

During the last 10 years, energy consumption of MHS Conveyor NBS product line has been reduced by 87.5% compared to the conventional sorter construction of belt with pop-up wheel diverts. There are over 1,500 MHS Conveyor NBS sorters in operation today.

STANDARD SPECIFICATIONS

Weight

50 lbs./ft or 75 lbs. total

NBS SP & NBS PolySort 40 lbs. total

Bed Width

NBS 30 & 90 & NBS Wave 200

Nominal widths of 18W, 24W and 32W

NBS 90 SP Nominal widths of 11.5W and 14W

NBS 90 PolySort Nominal widths of 26.5

Number of belts

NBS 30 & 90 & NBS Wave 200

- 4, 6, & 8

NBS 90 SP

- 3, 4

NBS 90 PolySort

- 9

Standard FPM

NBS 30 & 90

- 210 up to 300

NBS Wave 200

- NBS WAVE 200 is offered up to a nominal 450 FPM drive. This must be used with a frequency drive and limited to 425 FPM actual.

NBS90 SP & PolySort

- 120 up to 300

Accessories

CRUZchannel shrouds and bottom pans

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[®] Narrow Belt Sorters



Shorter installation time always improves schedule attainment and reduces cost. Advantages such as, large number of pre-assembled components, no requirement for belt tracking, easy repositioning of transfers, and simple modular construction enable NBS installations to be completed, including commissioning, in half the time required to install conventional sorters.

Features	Benefits
Main conveyor drives divert wheels on NBS 30	Minimum power consumption and operating cos, best-value capital investment
Product is conveyed along entire length of belt	Quiet operation, increased accuracy of divers
Simple design	Ease of maintenance
Individual belt take-ups	Smooth product flow, long belt life
Modularity of divert mechanism	Quick, easey reconfiguration of system
Pick up product "on-the-fly" on NBS 90	Maximize sort rate
2 Sided sorting for both 30° and 90° units	
Optional, pre-aligner	
3-row, 5-row, and 7-row options	

U.S. Patents 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

