

## Conveyor & Sortation Products



### MHS Conveyor Technologies

MHS Conveyor manufactures high quality conveyor for handling cartons, totes and a wide range of products. By using the finest components, including ABEC1 precision bearings and high-efficiency drives, you reduce your costs to implement (installation, controls, field wiring) as well as your ongoing costs to own (maintenance and energy consumption).

We offer the industry's BEST warranty (2 years which is twice the industry standard). We also offer a 5 year warranty for line-shaft products.



#### NBC Narrow Belt Conveyor

**Belt-driven live-roller conveyor for higher throughput at lower speeds**

- Zero-pressure dense-pack accumulation or transportation modes
- Factory mounted plug & play, switchable logic modules, factory wired and tested for simplified commissioning, reliable and faster start up
- Automatic pneumatic take-up option dramatically reduce maintenance requirements
- Selectable zone functionality from singulation to train release handling small light weight as well as mixed products



NBC



#### CRUZbelt Conveyor

**Belt conveyor for handling cartons, totes, products or empty carton material.**

- Patented, self-aligning belt take-up means a quicker installation and lower maintenance costs
- Small diameter end pulleys reduce gap for handling smaller products
- Smart bed and pulley squaring devices eliminate belt tracking issues
- Belt-low design reduces or eliminates guard rail requirements
- Monofilament belt allows for continuous belt routing through the creative one-piece feeder or nose-over and any horizontal belt runs, simplifying the hardware and reducing drive counts



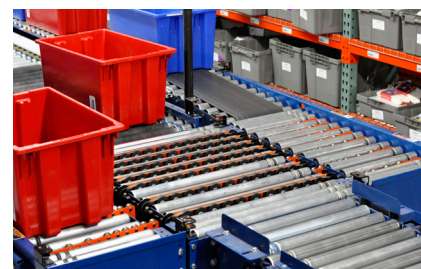
CRUZbelt



#### IntelliROL Motorized Driven Roller (MDR) Conveyor

**MDR conveyor for zero pressure, non-contact accumulation**

- Handles mixed cartons or totes at bi-directional sort rates up to 30 cases per minute
- Ultra quiet 24 volt DC motors power rollers in each zone
- Electronic components are factory mounted, wired and tested
- Plug and play functionality to connect straight and curved sections for faster commissioning
- Run-On-Demand functionality conserves energy as each zone operates only to transport product
- Safer work environment due to low-voltage motors and minimized torque from 'zone in use' operation
- High density curve can replace belt curves



IntelliROL



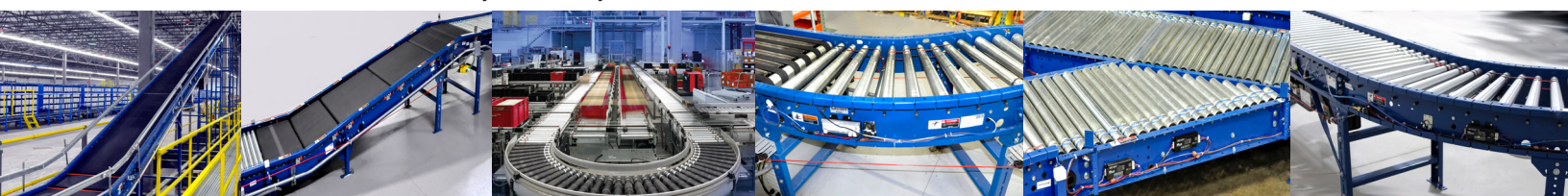
#### Line-Shaft Live Roller Conveyor

**Line-Shaft driven conveyor for transportation and accumulation**

- Universal joint connections mean fewer drives for curves and spurs
- Non-contact accumulation with factory-installed CRUZcontrol logic
- Captured drive spools prevents O-ring stretch
- Versatile, efficient, economical, quiet, clean and safe conveying solution
- MHS pioneered line-shaft conveyor, and remains the industry leader, offering a 5-year warranty



Line-shaft



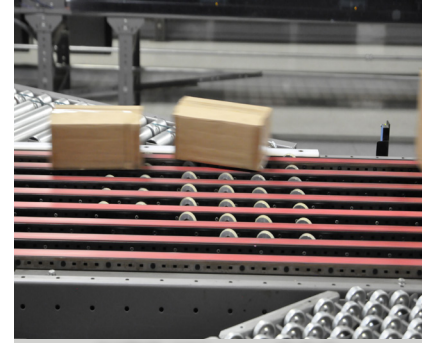
# MHS Conveyor Sortation Technologies

**MHS Conveyor pioneered Narrow Belt Sortation (NBS) technology, allowing for mid-to-high-rate sortation systems to be implemented at a lower cost and lower cost of ownership, due to the cleaner design and reduced maintenance versus other technologies. With 30 and 90 degree divert options, as well as patented designs for small products or high throughput rate systems, MHS's NBS Sorters are the recognized as the industry leader.**

## The NBS Wave 200

**Narrow Belt Sortation (NBS) Wave 200 sorting capability up to 200 cases per minute on the same product mix**

- Patented, 30 degree diverting using **6 rows** of divert wheels powered by the main conveyor that fire up and down in a sequence for high rate sortation
- 6 rows of wheels handles totes, cartons, poor bottom and light weight product with the highest sort reliability
- Localized control program for the Wave action. Better performance on small products as small as 9" long X 6" wide Increased rate of 200 cases per minute
- The NBS Wave 200 can compete equally with shoe sorter rates at approximately 60% of the cost
- If the high rate is not required, the smaller gap between products will reduce the overall system speed, as less air is being transported throughout the system, saving energy and componentry wear
- Small gap requirement is the ability for increased use of a simple speed change induction, instead of the traditional programmed induction, which can be complex and expensive. The resultant controls savings, coupled with the reduced commissioning time alone, are compelling reasons to use the NBS Wave 200

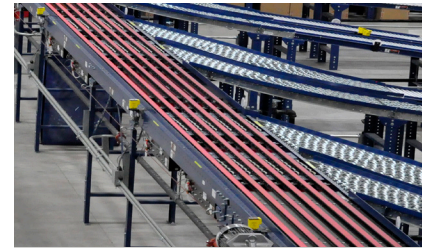


NBS Wave 200

## NBS30

**Narrow Belt Sortation with a 30° diverting with speed of 300 feet per minute**

- 30-degree diverting using 3 rows of divert wheels powered by the main conveyor designed to reduce cost and energy consumption, but increase sort reliability
- Product speeds up to 300 feet per minute and sort rates of 100 cases per minute
- Designed for typical mixed-carton warehouse sortation—
- 30-degree diverting using 5 rows of divert wheels powered by the main conveyor designed to handle totes and poor bottom cartons.
- Product speeds up to 350 feet per minute and sort rates of 100 cases per minute

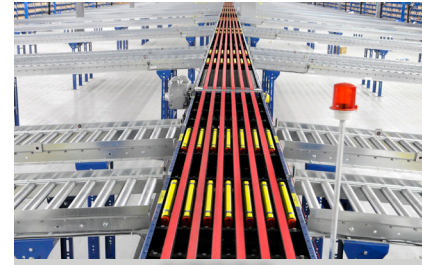


NBS30

## NBS90

**MHS Conveyor NBS 90 conveyor employs a series of narrow belts, each with patented individual take-up**

- High friction rollers raise to grip and gently divert products on the fly at a 90-degree angle right or left
- Exclusive limited slip clutch design and small acceleration ramp for successful diverts of even unstable products
- Product speeds up to 300 fpm and sortation rates up to 65 cases per minute in one direction and 55 cases per minute in both directions
- Diverts in the NBS 90 experience less product tipping and skewing, and overall superior diverting characteristics.
- NBS90-SL version eliminates the transfer motor for lower rate applications

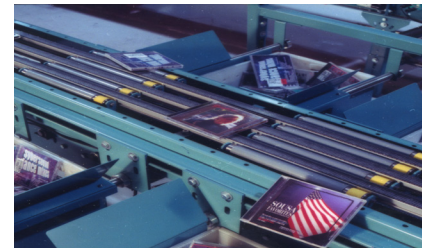


NBS90

## NBS90SP

**Narrow Belt Sortation 90° Small Products**

- High speed 90 degree sortation of small products weighing less than 20 lbs
- Product may be same size and weight, or mixed
- Bi-directional sortation rates up to 120 products per minute and conveyor speeds of 300 feet per minute
- Divert points can be as close as 18" and products as small as 4" x 4"
- 90 degree diverting by high friction rollers can be to a conveyor, chute or directly into a container



NBS90SP

## NBS9 PolySort

**NBS90 PolySort, a high-speed sortation system in our well-proven Narrow Belt Sorter family of products.**

- The NBS90 PolySort has been designed specifically to handle smaller cartons, along with a very wide range of polybags, mailer envelopes, and other similar packaging.
- NBS90 PolySort provides for 90° diverting of both cartons and polybag type loads at rates of 50 cartons per minute and above.
- Enhanced clearance transfer lifts with specifically designed guides keep polybags from dragging or snagging
- High-friction, natural rubber transfer rollers provide maximum grab on slippery polybags.



NBS90 PolySort

# About MHS Conveyor

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Since 1964, MHS Conveyor Systems manufacture of high quality conveyor and sortation technologies. As one of the world's largest material handling companies, we support a network of authorized system Integrators, by providing equipment and engineering support, along with the industry's best warranty.

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