

Narrow Belt Conveyor - Zero Pressure Accumulation



TWO-IN-ONE CONVEYOR LOWERS COST OF OWNERSHIP

The NBC contact accumulation zones are 4' long, but operate in such a manner as to allow mixed length product to dense pack accumulate. NBC contact accumulation conveyor is equipped with logic modules that can be switched from basic mode to progressive mode with a manually activated detent switch.

The products are allowed to touch and bump, but have zero-pressure after they accumulate. The minimum speed to achieve for dense packing of product is approximately 90 FPM for totes and 125 FPM for corrugated product.

The 500-AT has an air take-up with a maximum belt take-up of 55", a maximum belt pull of 500 lbs. and is used for lengths from 12' up to 220'.

NBC utilizes CRUZ® frame with the rollers low and built-in guardrail configuration for all accumulation conveyor. A rollers-high version is used for all transportation style conveyors.

All standard 12' intermediate beds have a 4' maintenance skew zone in the center of the bed. The zone can skew either right hand or left hand.

STANDARD SPECIFICATIONS

Widths

16", 22", 28" and 34" between the channels.

Bed Length

- Beds are available in lengths up to 12'-0".
- Drive beds are available in 8'-0" or 12'-0".
- Charge (less drive) and Discharge beds are available in 4'-0", 8'-0" and 12'-0" lengths.
- Charge beds that include the drive have a minimum length of 8'-0".
- Intermediate beds are available as 4'-0" minimum length and then at any length from 4'-0" to 10'-0" in roller center increments plus 12'-0". It is always preferable to use 4'-0" zone length increments if possible.

Rollers

1.9" Diameter 16 Ga. plated shell with ABEC-1 bearings and a 7/16" spring loaded hex axle. Mounted high in C6 channels and low in Cruz channels.
Rollers are available in 2" or 3" centers. All rollers are mounted in the frames prior to shipping.

Belt

MHS Conveyor's welded Nitta Belt Instruction is blue in color and 1.75" wide. It is specifically made for the MHS Conveyor NBC product line and must not be substituted or damage to the NBC components may occur.

The belting must be welded and not laced. The welding must be accomplished with MHS Conveyor's welding device. The use of other welding devices will void the belt warranty.

Speed

- **500-AT Drive:** 105, 125, 130, 150, 165, & 250 FPM.
- To maximize the dense pack feature of NBC, totes must be conveyed at a minimum of 90 FPM and cartons a minimum of 125 FPM.

Function Modules

Two styles are available. Release Function Module and Full Function Module.

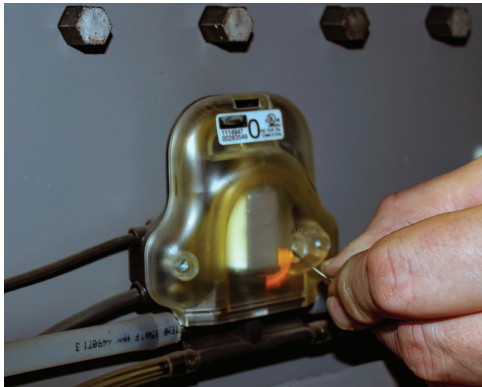
Accessories

Roller brakes, pivoting / pop-up blade stops, merge beds, function modules, solenoid valves, pilot valves, channel shrouds.

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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Logic modules are set in the field with the simple press of a button.

Features	Benefits
One drive powers a line made up of any combination of zero-pressure contact accumulation and transportation conveyor	Reduces wiring, installation costs and time, reduces number of drives required, increases layout flexibility
Very heavy welded butt-connectors, with quick 2-bolt mounting	Allows supports (floor or ceiling) to be located anywhere convenient, 12' centers max. Simplify installation, reduce header steel
Easy-adjust photo sensor is protected from impact, under the top flange of the CRUZchannel frame	Avoids costly system shut-downs due to photo-eye misalignment from operator or product impact
One logic module handles both basic and progressive logic and the accumulation mode is changed with the press of a button	Fast, simple adjustment, eliminates need for visual alignment from opposite side of conveyor and protected within side frame
Photo Eye alignment LED indicator	No more swapping out modules to change the logic, time savings, cost savings
Basic or Progressive mode status lights on modules	
Maintenance skew sections located in each 12-ft bed	

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.

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