

CUT SHEET

IntelliROL® Belted Incline Motorized Roller Conveyor (MDR)



MOTORIZED ROLLER CONVEYOR - MDR

MHS Conveyor IntelliROL belted incline motorized-roller conveyor provides a unique functionality within the material handling industry by providing the ITR accumulation feature within an inclining belt.

Its key is the use of a motorized roller that powers each belted zone or segment of the conveyor.

A truly modular system that can be completely customized to meet your current requirements, IntelliROL can be easily reconfigured to address your current, and future, needs.

The unique CRUZ® frame design, with rollers mounted low, provides total protection for the electronic components that are pre-mounted and pre-wired at the factory. An optional conveyor shroud encloses the frame and provides additional protection for the electrical components.

For the highest level of versatility and features that positively contribute to a quieter, more easily maintained system, put the power of MHS Conveyor IntelliROL product line to work for you.

STANDARD SPECIFICATIONS

Bed Lengths

10'-0" max. with 24" or 30" zones.

Bed Widths

Belted beds are available in 16", 22" and 28" BF only

Drive Rollers

- FP-55 for inclines, each with a maximum of 30 Start/Stop cycles per minute.
- Two drive rollers with one HB driver card and one CB driver card per incline zone. Discharge MDR fitted with a poly-V sheave and belt to slave drive the end pulley roller.

Speed

Adjustable at set points from 45 FPM to 130 FPM

End Pulley / Gap Rollers

1.9" O.D. 16 ga. plated shell with 7/16" hex spring loaded axle. Fitted with a poly-V sheave to be slave driven from the MDR. Mounted on 2.25" centers resulting in a 0.25" gap

Idler Rollers

1.9" O.D. 16 ga. plated shell with ABEC-1 precision bearing and 7/16" hex spring loaded axle. All rollers are mounted low in CRUZchannel on 3" centers. One idler roller in each incline zone is fitted with an anti-rollback device.

Carrying Belt

Single width black urethane; 0.05 belt thickness; width = BF -3/4".

Maximum Product Loading

40 lbs. per carton. **Tote and other non-carton conveying applications require testing by MHS Conveyor.**

Incline Angle

Maximum Incline angle is 15 degrees

Orientation

Right hand and left hand flow is standard.

Operating Temperature

Minimum +35°F to Maximum +100°F

Accessories

- Start PE Kit - Located at the charge end of the accumulation conveyor and starts the downstream accumulation zone. Kit can be factory or field mounted.
- CRUZchannel 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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IntelliROL belted Incline

Features	Benefits
Run-on-demand	Quiet operation, low energy consumption
Few moving parts	Reduce maintenance cost, less noise
Standard software routines	Rapid start-up, reliability
Many proven accessories	Application-specific
Low profile	Minimal space requirements
Standard modular construction	System easily reconfigurable
Unique frame design	Total electronic component protection
Electronic Sensing	No minimum weight restrictions
Pre-mounted and pre-wired electrical components	Economical, easy installation
Full-Width-Belt zone	Minimal gaps. Easy conveyance of smaller items
Incline belt ITR accumulation	Individual zone accumulation

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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