



FLEXIBILITY, RELIABILITY AND FUNCTIONALITY

IntelliROL motorized-roller conveyor sets the standard in material handling flexibility. Its key is the use of a motorized roller that powers each 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 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 IntelliROL to work for you. Plug-in installation with pre-wired beds, and pre-tested controls minimizes system start-up time. Run-On-Demand, the inherent ability to turn on an IntelliROL motorized zone only when needed, conserves energy, reduces noise levels and greatly increases component life.

Smart driver cards and photo-electric sensors can be configured for transportation, accumulation and work-in-process operations without the need to add additional controls processors. Driver cards and photo-electric sensors come pre-wired, suitable for PC or PLC control, or with local logic.



STANDARD SPECIFICATIONS

Standard Bed Lengths:

Accumulating beds are available on zone length increments up to 12'-0" with 24" zones and 10'-0" with 30" zones.

Transportation beds are available in lengths up to 10'-0" with the standard 30" roller groups. Odd length beds are best purchased in transportation design and slave driven from the downstream accumulating bed driver card.

Skew roller beds are available in 5'-0", 10'-0", and 12'-0" lengths.

Bed Widths:

Roller beds are available in 16", 22", 28" and 34" BF

Weight

50 lbs./ft or 75 lbs. total

Speeds:

For the CBM-105 card: 24, 30, 45, 65, 95, 130, 145, 160, & 180 FPM

For the HB-510 card: 45, 65, 80, 95, 110, 130, 160, & 180 FPM

For the IB-E03 card: 25 – 180 FPM in 43 steps

For speeds over 180 FPM consult Applications Engineering

Belted incline/decline beds limited to 130 FPM

MDR Rollers:

1.9" Diameter, ITOH FE-60, with 7/16" hex axle. Mounted high in C6 channels and low in Cruz channels. All MDRs are captured in special mounting brackets as well to prevent wear to the framework. Rollers are available for 2" or 3" centers. All rollers are mounted in the frames prior to shipping.

Idler 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.

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

IntelliROL®

Motorized Roller Conveyor - MDR



Highly versatile, easily configured, pre-wired conveyor sections driven by motorized rollers. IntelliROL is pre-engineered to meet specific performance requirements, with many standard accessories available, such as this bi-directional urethane belt transfer.

Features	Benefits
Run on demand	Quiet operation, low energy consumption
Few moving parts	Reduced maintenance cost, less noise
Standard software routines	Rapid start up, reliability
Many proven accessories	Application-specific
Low profile	Minimal space requirements
Standard modular construction	Systems 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

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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