



MHS Conveyor IntelliROL® Product Line



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WELCOME

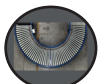
to MHS Conveyor IntelliROL® Product Line



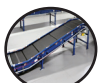
ITR (IntelliROL®) – Motor Driven Roller IntelliROL is MHS Conveyor's 24Vdc motor driven roller conveyor. It is available in transportation, accumulation and belted accumulation configurations. All configurations make use of ITOH powered rollers and driver cards. The construction design allows for it to fit into the rest of the MHS Conveyor technologies seamlessly.

IntelliROL

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.



Curves



Incline/Decline



Induction Bed



Pick Zone Modules (PZM)



Push Bed



Spurs



UBT



Wheel Divert

IntelliROL Transportation

In transportation form, IntelliROL is constructed in the same way as accumulation beds are, but there is no photo eye sensor and includes a basic driver card. Each zone must be told to run or rest but all can be tied together so that only one signal controls the entire continuous line.

IntelliROL Accumulation

In accumulation form, ITR conveys and accumulates conveyable product with non-contact style accumulation.

IntelliROL Full Width Belt

This style of accumulation functions exactly the same as the standard accumulation but the addition of a flexible belt covering the entire zone assists in conveying difficult product that would have problems being conveyed on roller-only style conveyor.



IntelliROL MDR

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.

- Run on Demand - Quiet operation, low energy consumption
- Electronic sensing - No minimum weight restrictions
- Pre-mounted and pre-wired electrical components - Easy installation



IntelliROL FULL WIDTH BELT BED

Horizontal, Decline, Incline, Noseover and Noseunder beds. Belted beds can be combined with standard accumulation zones as well as transportation zones. The belted zones are mounted in CRUZ frame with rollers low.

- Each driver card is wired to power using a power harness polarity matching plug and socket connectors for error free installation of conveyor sections.
- A start signal can be used to activate the conveyor when using run on demand.



IntelliROL WHEEL DIVERT

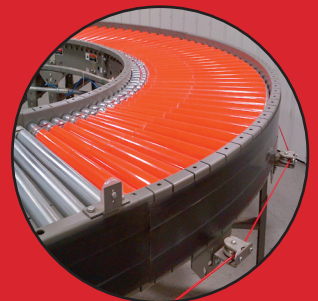
The ITR wheel diverter is available in 30 degree only and comes with 4 rows of pop-up diverting wheels. Can be configured with two solenoids (18" required gap) or four solenoids (12" required gap) for raising the wheels. The four solenoid option increases the possible throughput rate.

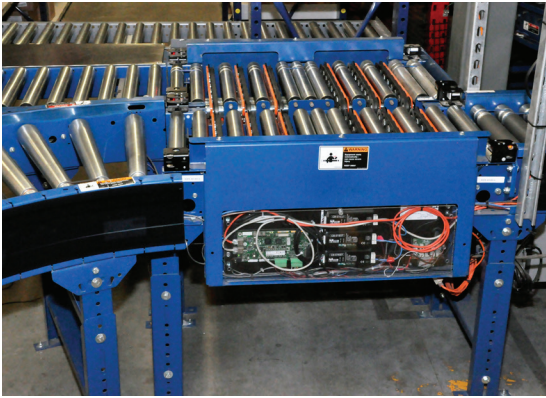
- Available wheel diverter in pneumatic or electric lifts
- Each divert has 4 rows of 2-1/4" diameter wheels driven by motorized rollers mounted below.

IntelliROL

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. Motorized rollers power each zone or segment of the conveyor.

An optional translucent PVC shroud encloses the CRUZchannel or C6 Channel frame and provides additional protection for the electrical components. Shrouds are available in 5' lengths and are shipped loose for field installation.





IntelliROL UBT

The Urethane Belt Transfer (UBT) gentle 90° transfer sends or receives product to or from either side of the transfer. UBT's can be used to receive product from another conveyor or adjacent workstation or dispatch product to those positions, making them extremely popular for work-in-progress applications.

- True vertical lift - keeps transfer level, minimizes product skewing
- Bi-directional unit transfers right or left on command - versatile, low cost, best value



PICK ZONE MODULE (PZM)

Its key is the use of a motorized roller that powers the in-feed zones, dis-charge lanes, and belts on the transfer to maximize the picking and sorting processes. High throughput rates are achieved by transferring "on the fly" combined with a unique gravity wheel transfer.

- Use with any accumulation conveyor - total flexibility
- Transfer on-the-fly - maximum throughput
- All conveyors shipped fully assembled - minimum installation costs

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 is sold through a network of factory-authorized integrators as part of complete, integrated intralogistics solutions engineered to meet and exceed the customer expectations.

