



HILMOT'S SERIES 3000 CHAIN DRIVEN MDR TRANSFER MODULES 1500 lb capacity

The Hilmot MDR transfer provides a 90 degree right angle transfer for progressive assembly and pallet handling application. Transfers are available in several standard widths: from 15" up to 60" EW. The transfer consists of a motorized roller driven wedge block style lifting device. The wedge block is designed for a smooth raise and lower operation. Transfers are available in right hand (RH) and left hand (LH). For standard pricing or for custom requirements consult your sales rep. Hilmot Transfers come standard with:

1. Built-in photo eye, one per zone
2. Pre-wired, networked with bus technology
3. Motorized rollers 24VDC brushless, geared or gearless
4. Shroud or fascia
5. PLC- or PC-based control or platform
6. Precision bearings in the idler rollers
7. Standard Air Cylinder (optional electric)





Safety

- Hilmot Chain Driven MDR conveyor operates at Low Voltage 24 VDC.
- The Hilmot Chain Driven MDR standard power source to our 24 VDC power supply is 115 VAC (Standard household current) Other options are available.
- The Hilmot Chain Driven MDR allows an operator to work in an environment with no major pinch points.
- The Hilmot Chain Driven MDR weighs less due to the absence of a drive unit allowing for ease of installation

Maintenance

- The Hilmot Chain Driven MDR conveyor is relatively maintenance free. Less change out due to the quick replacement of drive rollers and accompanying components.
- The Hilmot Chain Driven MDR conveyor doesn't require change out of motors, gearboxes, and belts.
- Lifetime lubrication of motor driven rollers ensures long life and maintenance free operation.
- The Hilmot non driven rollers include ABEC rated bearings for longer life.
- The Hilmot Chain Driven MDR uses #40 roller chain for loads up to 1500 lbs. maintenance free operation.

Installation

- The Hilmot Chain Driven MDR modular design allows for ease of initial installation.
- The modules allow for ease of future modification and or layout changes.
- Roller speeds are variable allowing for simple field modifications during the installation start up/ run off phase of the project.
- Plug and play wiring options for simplifying the electrical field installation.

Spare Parts

- Due to the reliability of The Hilmot Chain Driven MDR conveyor, less spare parts are required over the life of the system.
- Longer equipment life due to the run as needed feature.
- Less parts required for inventory.

Quieter Operation

- The Hilmot MDR conveyor operates at a 65-70dba noise level.
- The Hilmot MDR conveyor only runs when the photo eye senses that a product is present.
- The conveyor is not running when the eye is clear.
- Based on recent OSHA studies, high working environment noise can be directly related to an employee's health and job performance.
- The basic unit of sound is the decibel. The A weighted sound level—or dBA—is a good measure of sound detectable by the human ear. A busy office generates a sound level of about 60dBA. An increase of three dBA would be just noticeable, an increase of five dBA would be clearly noticeable and an increase of 10 dBA would be twice as loud because the decibel scale is logarithmic.

Energy Cost Savings

- The Hilmot MDR conveyor only runs when the photo eye senses that a product is present.
- Based on operation requirements, rollers operate between 10–50% of operational time.
- Estimated energy savings range from 30%-70% of conventional conveyors that operate continuous.
- The Hilmot MDR energy cost savings increase as energy costs increase.

Hilmot MDR Smart Control Card

8 inputs and 8 outputs allow the control of up to 8 zones of standard accumulation conveyor.



- Programmable with SuperLogic software.
- Communication via DeviceNet network.
- Polled messaging connection via DeviceNet Master allow I/O to be monitored and controlled remotely.
- Individual 24V DC power source for each input promotes efficient and modular wiring.
- Peer-to-Peer messaging for fast zone-to-zone interlock messages.
- Each power supply enclosure supplies power to 30 zones and are mounted and wired inside the Hilmot MDR NEMA 12 enclosure.

TWO YEAR WARRANTY