



Custom Industrial Conveyors

Motorized Roller Conveyors



**Designed for years of
maintenance free
operation in hostile
environments**

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Motorized Driven Roller Conveyors

Motorized Driven Rollers (MDR) are conveyor rollers with their own internal motors. Each motor roller controls a small zone of free-turning rollers. This inherently modular design makes designing and building a Zero Pressure Accumulation Conveyor systems faster and easier than conventional conveyor system. MDR conveyor systems are also easier to change and expand as your business needs change.

Only running when necessary, Motorized rollers may result in as much as 70% energy savings over line shaft, air operated, or chain driven conveyor. Lower maintenance costs due to reduced wear and tear is also a big return on investment comparable to conventional methods.

Motorized Driven Roller (MDR) technology is also safer than conventional conveyor. 24V Motor Roller are much quieter, and because individual rollers are low voltage, and lower torque, your warehouse staff are less likely to encounter accidental injury.

The advantages of the Motorized Driven Roller Conveyor are:

- Modular design improves layout/easy to reconfigure
- Run on demand/less noise, wear, and energy
- Non-contact zero pressure/product protection
- Compact low profile/multi-level usage
- Reversible/less hardware required
- No scheduled maintenance/lower operating cost
- Improves working environment (quieter, safer, better ergonomics and cleaner operation)
- Lower power consumption
- Low voltage/safety and lower cost
- Simple installation/lower cost
- Soft start and stop/low G-forces
- Simplifies conveyor operations
- Improves material flow
- Variable speed/versatility to suit each requirement
- Choice of control level to meet needs and budget



Controller Guard

Belt or Chain Driven Motorized Roller Conveyor Specifications

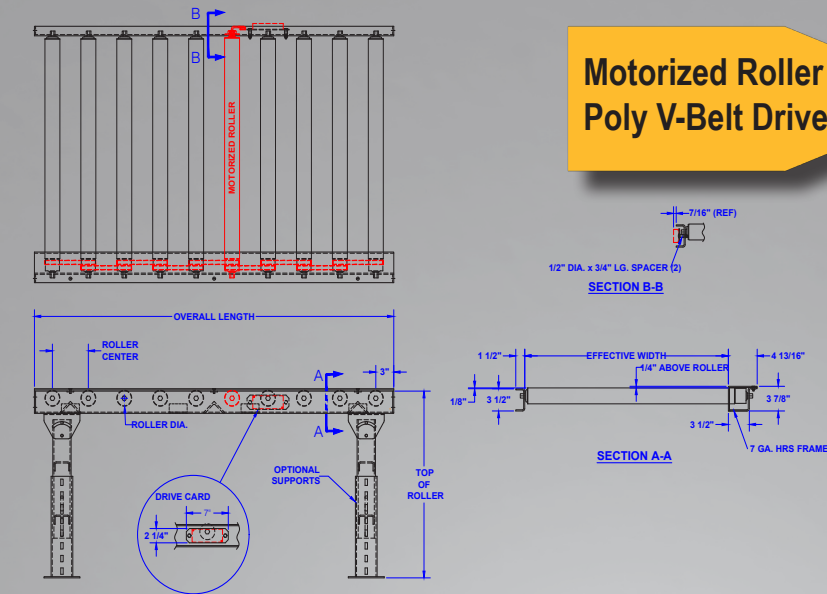
	Model MDR (Urethane O-Belt)	Model MDR (Chain to Chain & Poly V-Belt) 1.9" dia. roller	Model MDR (Chain to Chain & Poly V-Belt) 2-1/2" dia. roller
Effective Widths	13" to 42"	13" to 42"	13" to 72"
Lengths	3' Min.	3' min.	3' min.
Roller Size	1.9" Dia. x 16 ga. with 7/16" hex shaft	1.9" Dia. x 16 ga. with 7/16" hex shaft	2.5" Dia. x 11 ga. with 11/16" hex shaft
Roller Center	2-1/4", 3", 4", or 6"	4", 6", 12"	2-13/16", 3-7/16", 4-3/8", 5", 6", 10"
Frame	Formed 10 ga.	Formed 10 ga.	Formed 7 ga.
Drive	Itoh Denki 24 Volt DC Motor Driven Roller	Itoh Denki 24 Volt DC Motor Driven Roller	Itoh Denki 24 Volt DC Motor Driven Roller
Roll to Roll Drive	Poly O-Belt	Poly V Belt or #40 Chain	Poly V-Belt or #40 or #50 Chain

OPTIONAL

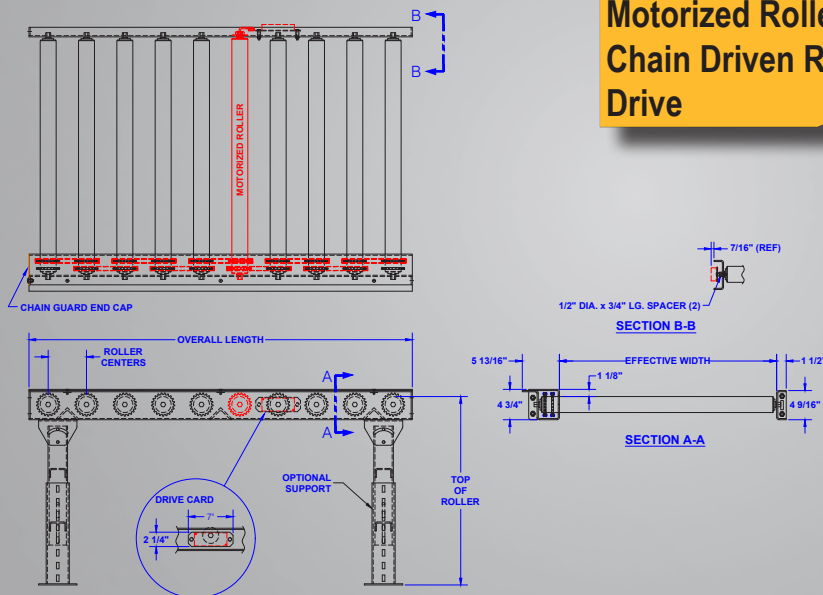
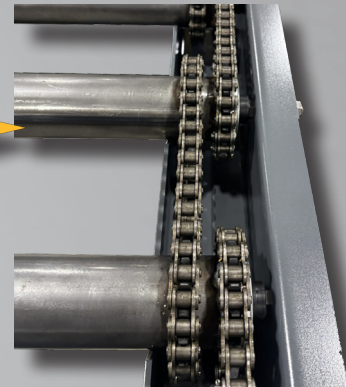
Roller Centers - Consult Factory, Galvanized or stainless construction, Controls, Coated rollers, Paint, 2 or 3 strand chain transfers, Pallet lifts, End stops, UHMW sleeves, Air operated blade stop, Supports

3 Drive Styles Available

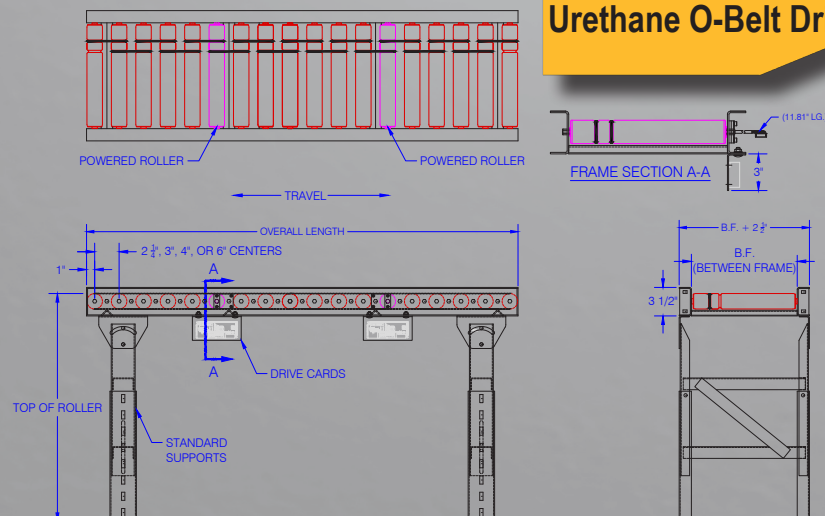
Motorized Roller Poly V-Belt Drive



Motorized Roller Chain Driven Roller Drive



Motorized Roller Urethane O-Belt Drive



MDR Conveyor on Turntable



MDR Poly V-Belt Conveyor



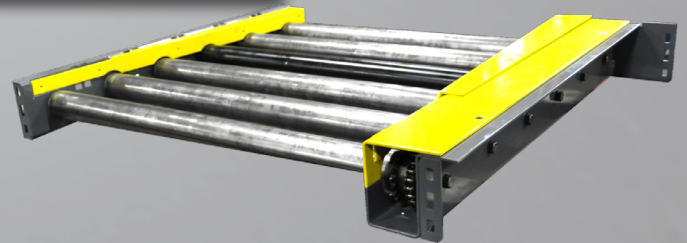
MDR Tote Chain Transfer



MDR conveyor on lift



MDR conveyor with special siderails to shift product



MDR conveyor with pop-up belt transfer



AUTHORIZED DISTRIBUTOR

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