



NORTHAMCON INC

**24
VOLT
CONVEYOR**

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WHY 24V?

POWER SAVINGS: Since it is run on demand (meaning when a package or part is not present in a zone the zone shuts down) a 24V system uses very little power. Some studies suggest a 40 - 80% power savings per year depending on the application.

LOW PROFILE: Height profile of the conveyor can be 7" or lower, depending on the conveyor model.

QUIET: With very few moving parts, ABEC bearings, urethane belt drive bands, and the "run-on-demand" feature, 24V DC conveyor is very quiet. This is very helpful when working in a packing line or when a low decibel environment is necessary.

NO AIR NEEDED: If your system does not have air available or the compressor is too small to handle pneumatic components, you can opt for a fully electric system by using 24V accessories.

VIRTUALLY NO MAINTENANCE: Since there are very few moving parts and ABEC bearings, the system requires very little maintenance.

EASY REPLACEMENT: If a part does come to the end of its life, all components are easily removed using connectors or standard hardware. All drives and motors are mounted to allow for easy access.

EASY INSTALLATION: 24V conveyors ship fully assembled with only a few simple connections to be made. Power supplies and power distribution cabling are included.

Case Handling

Motor Driven Roller Conveyor

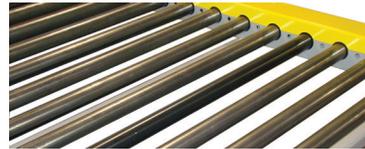


Flat Motor Driven Roller Conveyor



Pallet Handling

Chain Driven Motor Driven Roller Conveyor



Chain Driven Flat Motor Conveyor



Flex Conveyor

Flexible, Expandable, Portable Powered Roller Conveyor



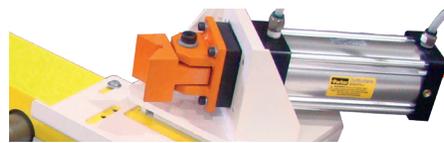
Side Guides



Accessories



Lift Gates: Manual, gas shock, spring and pneumatic actuated



Crowders and other product positioning devices



Divert tables: 30° and 45°, pneumatic and 24V actuated

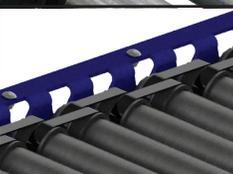


Transfers: Urethane and timing belt, pneumatic and 24V actuated



Divert arm: 30° and 45°, pneumatic actuated

CONVEYOR MODELS

Conveyor	Model	Drive Method	Load Capacity (Per Product)	Between Frame Width Range (Inches)	Speed Range (Feet Per Minute)
	MO-1.9 & FO-1.9	O-Ring Belt	Up to 100 lbs	13" to 39"	Up to 180
	MP-1.9 & FP-1.9	Poly-Ribbed Belt	Up to 600 lbs	13" to 54"	Up to 180
	MP-2.5 & FP-2.5	Poly-Ribbed Belt	Up to 3,000 lbs	13" to 54"	Up to 60
	MC-1.9 & FC-1.9	RC40	Up to 900 lbs	13" to 54"	Up to 120
 <small>*OPERATING NOTE</small>	MC-2.5 & FC-2.5	RC40, 50 or 60 Chain	Up to 3,000 lbs	13" to 54"	Up to 60
	FX24 -1.4 & FX24 -1.9	O-Ring Belt	Up to 100 lbs 1.4 = 50 lbs 1.9 = 100 lbs	18", 24", 30"	Up to 150

Parameters shown are considered standard. If your application parameters exceed what is shown, contact NAC.

*IN THE MODELS MC-1.9 AND MC-2.5 PRODUCT IMAGE THE GUARD IS REMOVED FOR CLARITY, GUARD MUST BE IN PLACE BEFORE OPERATING EQUIPMENT.

CONTROLS

Power supplies

- 24V DC in
- 460V 3-phase, 230V 1-phase, 115V 1-phase available input voltage
- NEMA 12 enclosure
- Through door disconnect

Positioning

- Positioning proxes or limit switches available
- Mounted at the factory

J-Boxes

Proxes, limit switches, valves, and photo-eyes can be wired back to a terminal strip at the factory for convenient and quick field installation.



Work station hold

Selector switch mounted inside of a control box and wired at the factory. Allows for a worker controlled hold in a work area. All zones function normally after the work station hold.

Z-Control and MDR automated drive cards

Standard ZPA logic allows for non-plc controlled zero pressure accumulation.

Programmable MDR drive card

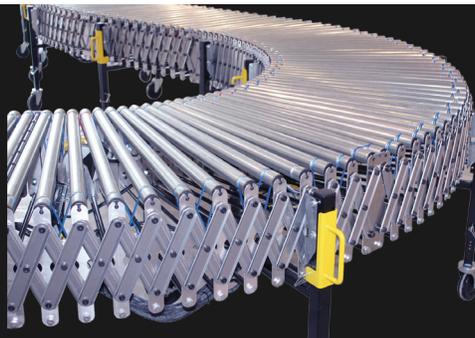
- Programmable with a software download and ladder logic
- EtherNet/IP conformance tested
- Configures easily in RSLogix 5000(tm) using an available add on profile

Disabling an open gate

- Mounted and wired prox/relay cut power to a lift gate when in the up position.



24V SILO: For down service elevation changes and vertical accumulation of round product.



Powered Flex Conveyor rollers driven by high-tension, urethane O-rings bands



Narrow belts over MDR rollers.



Parts



Multi-tier high density accumulation conveyor.