



NORTHAMCON, LLC

w.w.Cannon, llc.

Design. Layout. Build. Install.

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PRODUCT LINECARD

Delivering Modern Conveyors Utilizing 24V Drive Technology



ABOUT US

Focus & Specialization

NorthAmCon, LLC manufactures a full line of standard and build-to-order 24V powered conveyors and material handling equipment ideal for manufacturing, packaging, distribution, logistics, and robotics & automation industries. NorthAmCon specializes in meeting the customer's need with the agility and flexibility of a custom fabricator combined with the capabilities of a leading manufacturer to deliver solutions that meet the application requirements.

NorthAmCon's solutions take advantage of multiple 24V power driven technologies such as brushless DC Motor Driven Roller (MDR) and Flat Motor Driven Roller (FMDR). With significant value, lower installation and ownership costs, our 24V solutions are one of the fastest-growing conveyor product lines in the industry.

Experience & Opportunity

NorthAmCon, LLC acquired the intellectual property of North American Conveyor, Inc. (NACI) who spearheaded the adoption of 24V motorized roller technology with customers like the United States Postal Service (USPS). The USPS is considered the primary market driver for the promotion of 24V motorized rollers in the early 90's and are still one of the largest users of 24V motorized roller conveyor and components. After acquiring NACI's intellectual property, NorthAmCon effectively secured the institutional knowledge gained from years of manufacturing 24V equipment.

NorthAmCon has manufacturing facilities in Alpena, MI and continues to service the USPS while also partnering with OEMs and Integrators across North America to service the growing demand for 24V conveyor systems in the marketplace.

Unique Qualifications

NorthAmCon combines years of experience in 24V conveyor development with NACI's knowledge and expertise to uniquely position itself as a premier manufacturer of 24V material handling equipment in the United States.

WHY 24V

NorthAmCon, LLC OFFERS 24VDC POWER DRIVEN TECHNOLOGIES TO MEET AN ENDLESS RANGE OF MATERIAL HANDLING APPLICATIONS.

Known Benefits

Energy Efficiency

Run on demand rollers run when needed, and shut down when not in use, extending the life of roller components.

Quieter Motors & Rollers

Low noise created by the 24V DC brushless motors are ideal for packing lines or low decibel environments.

Air Not Required

If air is not available or the compressor is too small to handle pneumatic components, opt for a fully electric system.

Lower Maintenance

Fewer moving parts, and easily replaceable belts and rollers when required.

Added Benefits

Built to Order

Product development based on customer request through responsive engineering so products “fit”.

Easy Installation

Conveyors ship fully assembled, with only a few connections to be made.

Low Profile

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

Multiple Powering Solutions

Exclusive 24V powering technologies available through a single source allows NorthAmCon to offer the most extensive line of low voltage material handling equipment and accessories.

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PRODUCTS

SMALL OR LIGHT DUTY PRODUCT HANDLING - FMDR & MDR

NorthAmCon, LLC's small or light duty product handling conveyors are powered with a variety of 24V driven technologies.

FEATURES

- Speeds up to 180 feet per minute
- 13" to 48" conveying width
- Up to 100 pounds load capacity
- Motor Driven Roller (MDR) and Flat Motor Driven Roller (FMDR) powering options delivering design and powering flexibility
- ABEC precision bearings with high performance and long life
- Transportation or zero pressure accumulation with independent zone control
- Quick connect for a plug and play, easy installation
- Roller sizes vary; 1.4" or 1.9" depending on the drive type selected and application requirements
- O-ring driven



FMDR



MDR

MEDIUM TO HEAVY DUTY PRODUCT HANDLING - FMDR & MDR

NorthAmCon, LLC's medium to heavy duty product handling conveyors move pallets and a variety of heavy loads with multiple drive types.

FEATURES

- Speeds up to 60 feet per minute (FPM)
- 13" to 70" conveying width
- Up to 3,000 lb. load capacity
- Motor Driven Roller (MDR) and Flat Motor Driven (FMDR) powering options delivering design and powering flexibility
- Heavy duty construction built to handle heavier loads
- Transportation or zero pressure accumulation with independent zone control
- Roller sizes vary; 1.9" or 2.5" depending on the drive type selected and application requirements
- Poly-ribbed or chain driven



FMDR



MDR

PRODUCTS

SORTATION - MODULAR MDR SORTER

The Modular MDR Sorter is a portable sort system designed to handle packages of varying sizes, footprints, profiles and surface characteristics. Products induct into the center infeed lane in a singulated fashion and then travel through a scanning zone where each product is assigned a sortation route based on barcode data on the package. The packages are then sorted left, right, or center on a ball belt transfer conveyor. The Modular MDR Sorter can be "taught" to determine sorting direction based on standard bar codes or can be configured to integrate with a warehouse management system. For enhanced mobility and ease of setup the Modular MDR Sorter has been designed with casters and can be moved into place as a single unit or as modular components.

FEATURES

- Designed for simple set up that is also modular and expandable to meet changing operational needs
- Equipped with lights and alarms that are highly visible displaying system status and alarm conditions for worker safety and product handling
- Easily integrates with existing equipment and warehouse management system to simplify start up
- Automates the sortation process with hands-free sorting and teachable SKU's
- Simple and easy to use graphical user interface for routine operation and equipment maintenance and management
- Handles up to 50 cases per minute



DEVICES & ACCESSORIES

Easily integrates into the customer's environment for a seamless design delivering a complete solution.

NorthAmCon, LLC offers a variety of devices and accessories powered with 24V technology or pneumatics. When an alternative to AC power is desired, there is a solution - just let us know how the equipment needs to perform.

LIFT GATE

Manual, gas shock, spring, or pneumatic actuated



DIVERT TABLES

30° and 45°; pneumatic and 24V actuated



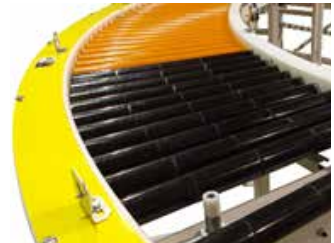
CROWDERS & OTHER PRODUCT POSITIONING DEVICES

Pneumatic actuated for product positioning



POP-UP STOPS

Ideal for accumulating round products



DIVERT ARM

30° and 45°



TRANSFER

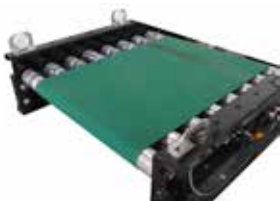
Urethane, timing belt, or chain



SPECIALTY

NorthAmCon, LLC can provide equipment to meet the specific needs of the customer's application. Easily integrate into the customer's environment for a seamless design delivering a complete solution. NorthAmCon offers a variety of special solutions powered with 24V technology.

- Belt Over Roller Conveyors
- Frame Cut-Outs
- Helical Conveyors
- Multi-Tier Conveyors
- Troughed Conveyors
- Incline Belt Over Slider Bed
- Vertical Accumulation Conveyors
- Narrow Flat Motor Driven Roller Conveyors
- AGV Decks



DEVICES & ACCESSORIES

CONTROLS

NorthAmCon, LLC offers a variety of controls that add functionality to the conveyor or material handling system.

Power Supplies

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



Positioning

- Positioning proxies 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™ 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

24 VOLT CONVEYOR PARTS

NorthAmCon, LLC supplies parts to replace existing conveyor components or re-purpose existing conveyors including gravity, lineshaft, BDLR, and CDLR.

Motorized rollers, flat motors, driver cards, idler rollers, cables, photo-eyes, and accessories.

Additional parts and custom options are available such as frames, legs, side guides, stops, etc. Consult factory for more details.

BELTS AND CHAIN



O-Ring



Poly-Ribbed Belt



Roller Chain

MOTORS, ROLLERS, AND DRIVER CARDS



Itoh Denki



Pulse



Flat Motor



Geared Drive



Idler Roller

PARTS AND ACCESSORIES



Photo-Eyes



Urethane Sleeves



Mounting Brackets



Power Distribution, Ethernet, and Extension Cables

CONTACT US

