

# CASE STUDY

Powered by  
**24  
VOLT**

## Narrow Flat Motor Driven Roller (FMDR)



Year  
2018



Location  
Eastern US



Application  
Accumulation  
Conveyor



Industry/Market Segment  
OEM  
Manufacturing

### Customer Problem

An appliance manufacturer located in the Eastern US was interested in streamlining the assembly process of their production line to increase worker safety, reduce the amount of product handling and footprint required during the assembly process. These improvements directly reduced waste, downtime, re-work and potential accidents.

### NorthAmCon's Solution

NorthAmCon designed a narrow width, dual tier zero pressure accumulation conveyor system to handle fourteen products in an upright orientation.

The dual tier construction allowed for more accumulation in a smaller footprint. The narrow conveyor lane was designed to allow the products to be transported in an upright position minimizing space required for overall assembly line. In addition, a manual actuated discharge switch was installed to assist the operator in safely removing the products.



Narrow Flat Motor Driven Roller (FMDR) with discharge switch

Modern  
Conveyor  
Utilizing  
24V Drive  
Technology

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## Built to Order: NorthAmCon delivered on it's commitment to meet the customer's need

NorthAmCon, LLC was able to custom design a conveyor system to match all of the application needs at a competitive price point all within the requested time-frame.

NorthAmCon delivered a plug and play system that required very little labor to install and no additional controls or components fully demonstrating NorthAmCon's commitment to high quality in manufacturing and equipment performance and reliability.

### Design Features:

- Customer specific photo-eye brand and mounting style
- 5.25" conveying width, 11" overall width
- Special dual-tier UHMW side guides with tool-less adjustment
- Manual operated 2-switch release station at the discharge end
- Custom paint per the customers specification
- Designed and built to ship fully assembled with dual-tier floor supports to allow for quicker installation



### About Us

NorthAmCon, LLC manufactures a full line of standard and build-to-order 24V powered conveyors and other material handling equipment ideal for the 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.