

# **DORNER**<sup>®</sup>

By Columbus McKinnon

## **Pallet System Conveyors**

**Accurate & Efficient Assembly  
Automation for a Wide  
Range of Industries**

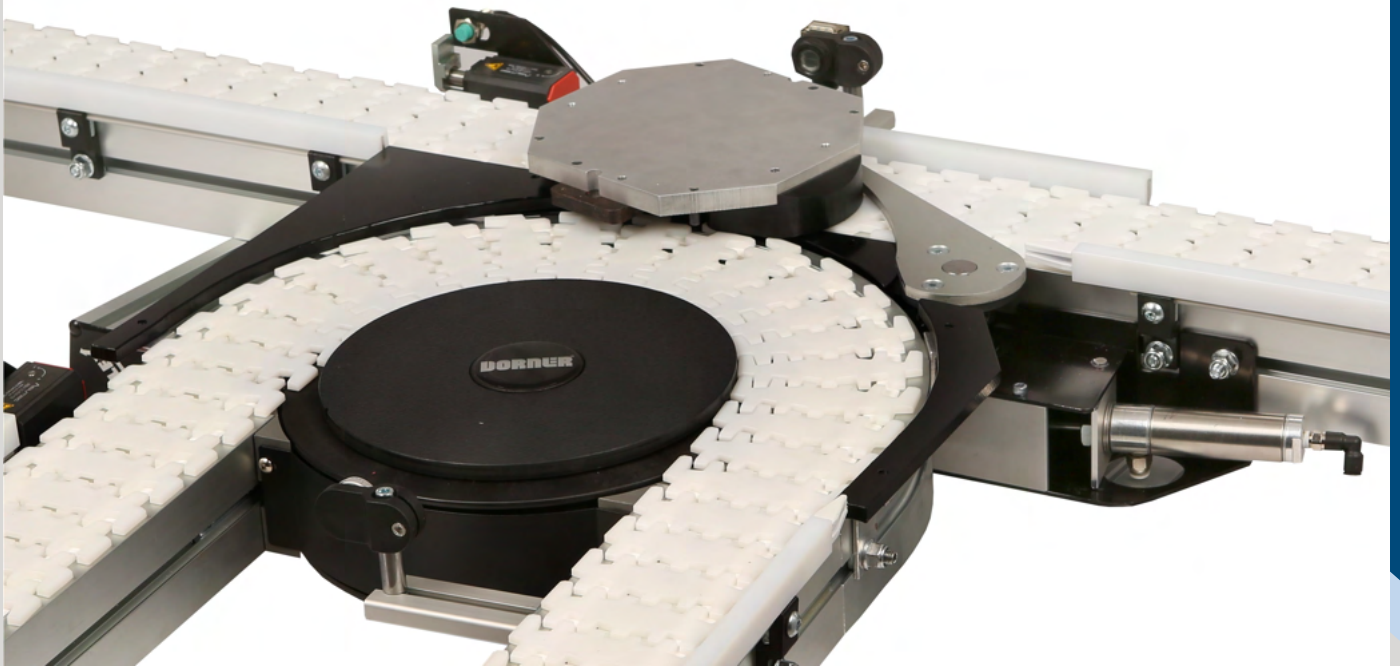


# Benefits of Pallet Conveyors

If your operation requires precise positioning in assembly conveyance, our Pallet System Conveyors are the ideal solution to meet your needs.

Pallet system conveyors are ideal for many automation-focused applications that require exact movements and positioning of parts, as they can be set-up or programmed to start and stop at specific intervals to sync up with robotic interaction or other processes.

- Precise product control
- Cleanroom-compatible designs
- Highly customizable
- Easily integrates with robots
- Improved operator safety features
- Highest accuracy & repeatability



# ERT150 Pallet System



## Light-Weight Edge Roller Conveyors

Featuring a low-profile, open roller design, the ERT150 conveyor system is energy efficient, non-jamming, and offers the highest degree of accuracy for automated assembly applications.

- Loads up to 16 kg (35 lbs) per pallet or tray
- Speeds up to 37 mpm (121 fpm)
- Widths from 160 mm to 320 mm
- Lengths from 128 mm to 2432 mm
- Non-contact zone control and low back pressure accumulation

### Ideal Applications:

- Medical Device Assembly
- Electronics Assembly
- Life Sciences
- Cleanroom Manufacturing
- Consumer Goods



# ERT250 Pallet System



## Heavy Duty Edge Roller Conveyors

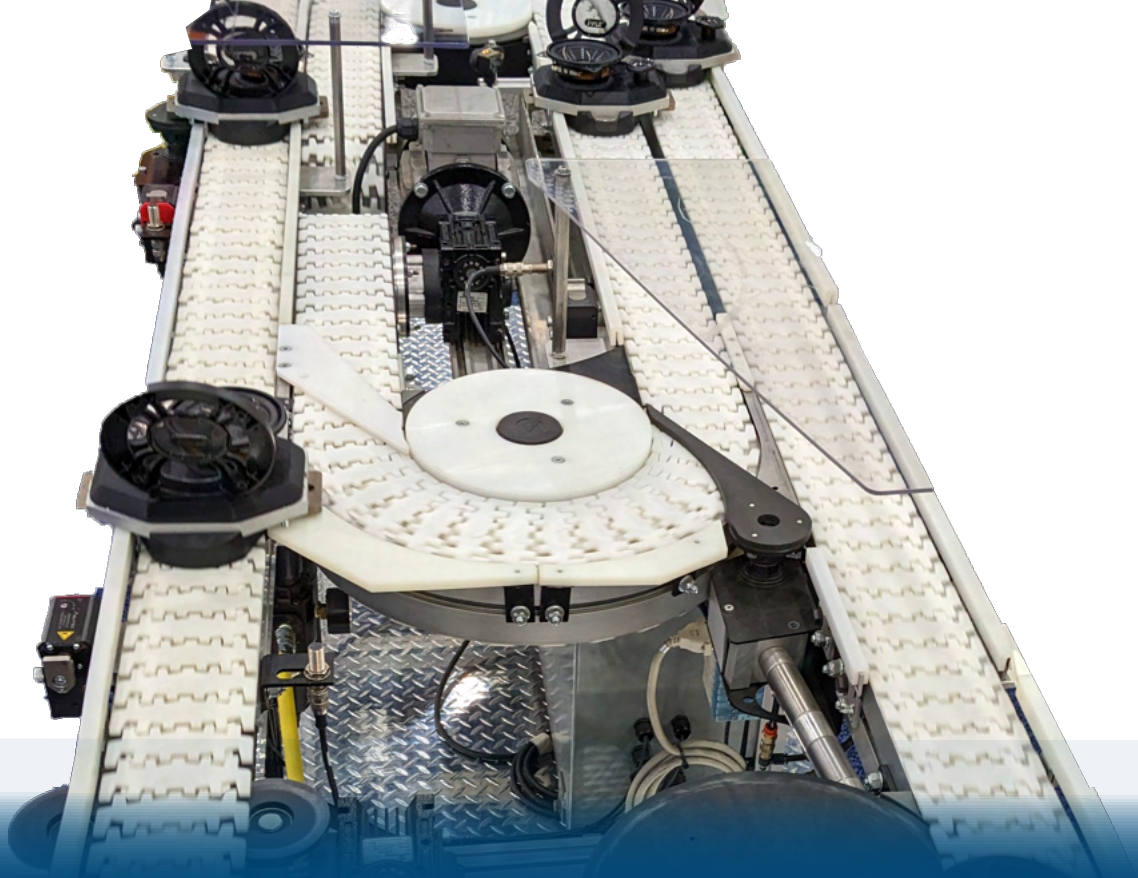
The ERT250 is a heavy-duty edge roller conveyor, offering an accurate, durable option for heavy or bulky product assembly applications.

- Loads up to 114 kg (250 lbs)
- Speeds up to 37 mpm (121 fpm)
- Widths from 320 mm to 800 mm
- Non-contact zone control and low back pressure accumulation
- Non-jamming design

### Ideal Applications:

- Automotive Assembly
- Appliance Manufacturing
- Medical Product Manufacturing
- Pallet & Tray Handling
- Electronic & Consumer Goods Assembly

# FlexMove Pallet System



## Flexible Chain Pallet Conveyors

This system offers a flexible chain with the ability for multiple curves on the same line, making it perfect for product routing and control throughout the production process.

- Loads up to 9 kg (20 lbs)
- Multiple modules including: merge, divert, lift & locate, and pallet stops
- Space-saving design
- Reduce pinch points with innovative flexible chain belt

### Ideal Applications:

- Light Load Automated Assembly
- Medical Device Manufacturing
- Life Sciences
- Health & Beauty Products
- Electronic & Consumer Goods  
Manufacturing & Assembly

# DualMove Pallet System



## Timing Belt Pallet Conveyors

Designed to be efficient and cost effective while providing precision and accuracy throughout the manufacturing, assembly, and inspection processes.

- Loads up to 32kg (70 lbs) per pallet
- Speeds up to 34 mpm (114 fpm)
- Widths from 160 to 800 mm
- Lengths up to 7500 mm (24' 7")
- Traditional timing belt

### Ideal Applications:

- Automotive Assembly
- Appliance Manufacturing
- Medical Product Manufacturing
- Pallet & Tray Handling
- Electronic & Consumer Goods Manufacturing

# Pallet System Comparison

	DualMove	FlexMove	ERT150	ERT250
Long Accumulation		✓	✓	✓
Pallet up to 200mm		✓		
Pallet 160-320mm	✓		✓	
Pallet over 320mm	✓			✓
Load up to 20 lbs		✓		
Load up to 30 lbs			✓	
Load up to and over 40 lbs	✓			✓
Low Voltage Control			✓	✓
Price Sensitivity	✓			
Curves & Turns		✓		
Elevation Changes		✓		
Non-Jamming			✓	✓
Zoning & No Pressure Accumulation			✓	✓



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