



# 24V PALLET HANDLING CONVEYOR

The CarterRoll™ Pallet Handling Conveyors are safe, durable, reliable, and sized in various standard widths and lengths for floor mounting.

The CarterRoll™ 24VDC Pallet Conveyor consists of 2.5" Diameter motorized power rollers (MPR) and idler rollers configured into zones interconnected by chain. Motorized power rollers are placed as needed along the conveyor equipment to ensure the consistent movement, control and orientation of the product. The number of motorized rollers and associated slave-driven idler rollers that make up a zone is dependent on the variation of product size and conveyor length. The zone design also provides zero pressure, zero contact accumulation keeping product from contacting each other along the conveyor path.

The product in one zone will only move along into the next zone if the next zone is unoccupied. Conveyor zones stop running if there is no pallet to transport in that zone. This run-on-demand features reduces operational cost and extends equipment life.

Both mechanical and electrical components for the CarterRoll™ conveyor are modular and interchangeable. All electrical components meet applicable standards for rating, class, and approvals for NEMA, UL, and CE. All pre-engineered CarterRoll™ conveyor equipment requires a 24VDC system supplied power source.

It's all about safety, durability, reliability, and saving energy, so make your move to CarterRoll™ Conveyors now.

## BENEFITS

- Low power 24VDC consumption
- Safe and quiet operation
- Lower cost to ownership
- Reduce installation time and complexity
- Requires no significant preventive maintenance
- Run-on-Demand mode provides cost savings and extended service life
- Removeable safety guard

# CARTERROLL™

## 24V PALLET HANDLING CONVEYORS

### Technical Data

#### Controls Power Requirements

- 24VDC
- DeviceNet™ compatible
- Power and control system cabling enclosed inside channels

#### Capacity

- 4,000 Lbs per zone
- 2.5 Diameter x 11 gauge rollers

#### Frame

- 7 Ga steel with 2.75" flanges, crossmember supports, and protective covers (CarterRoll™ design)
- Optional 4 Ga steel with 2.75" flanges, crossmember supports, and protective covers (CarterRoll™ design)

#### Speed

- 10 FPM- 60 FPM

#### Support Mechanism

- Floor: Adjustable leg support

#### Conveyor Drive

- 24VDC Powered Roller

#### Dimensions

- 36" - 56" Between frame
- 30" - 50" Conveyor surface

#### Mounting Capabilities

- Floor

#### Product Detection

- Photo Electric Sensor / Proximity inductive configuraton

### Zone Configuration

- 40 Chain Supplied other chain sizes available
- Automatic chain oilers available
- Roller zone 3.25", 4"-6" center to center
- Optional paint colors available
- 2.5" diameter x 11 gauge rollers
- 36" - 56" between frame
- 30" - 50" conveying surface

### Standard Zone Contents

- Zone Sensor
- Jam Sensor
- Protective Guards

### Features

- 4,000 Lbs pallet capacity
- 24VDC operating voltage
- Modular component design
- Auto activated zero pressure, zero contact zones
- Reduced energy consumption
- Standard between frame 36"-56" in 2" increments
- Standard roller centers 3.25", 4"-6" in 1" increments
- Plug and convey modules pretested and engineered to reduce maintenance
- Accumulation and train release modes



7118 Geoffrey Way / Suite A / Frederick / MD 21704-7109  
301-698-9660 • 877-722-4CCS  
Sales@cartercontrols.com  
CarterControls.com