

24 VOLT RIGID CONVEYOR

LOZIER + CASI

 AGILITY

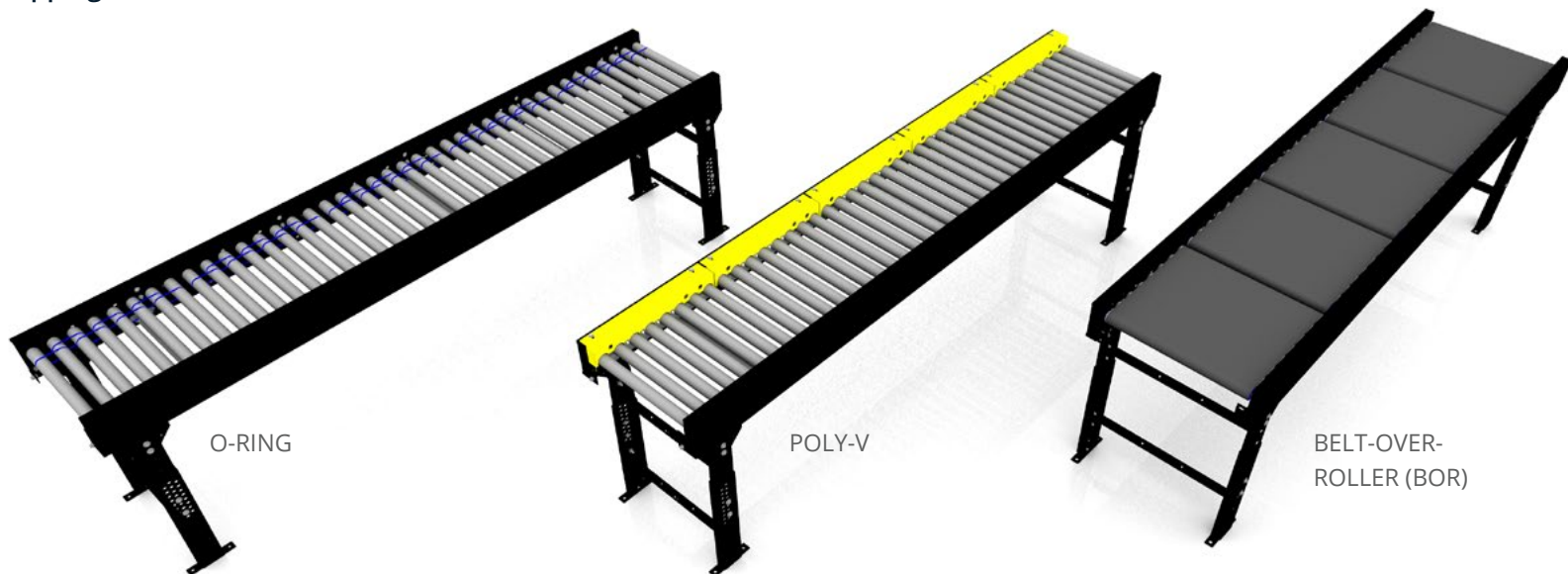


Intelligent Automation for Order Fulfillment & Warehousing Operations

Lozier+CASI's 24V Conveyor System consists of a series of 24V Motor Driven Rollers. These motor driven rollers are distributed along the length of the conveyor.

Each roller zone (or roller section) is capable of performing many functions which include:

- Multiple Speeds
- Independent Starting & Stopping of Individual Zones



Our 24V Motor Driven Roller Conveyors offer many benefits not found with legacy conveyor technologies:

- **Safe & Quiet, Energy Efficient 24V DC Operation**
 - Smart use of power (sleep mode)
 - No energy requirements when product isn't flowing
- **Modular Design**
- **Easy Configuration with Minimal Maintenance**
- **Longer Life Expectancy**
- **Minimum Pressure or Zero Pressure Versions**
- **Greater Speed Range Options**
- **High Torque & Low RPM**
 - Provides the necessary power to handle larger and heavier products and materials
 - More flexibility by having larger zones and fewer motors



The hardware only version of Agility 24V allows customization of the conveyor with specific electromechanical devices. It is ideal for customers who wish to implement controls unique to their needs. Agility's hardware only conveyor includes all of the following:

- Conveyor with 7" C-channel
- Leg Sets
- Idler Rollers
- O-rings, Poly-V Belts, or Belt-Over-Roller
- Standard Black Powder Coat

Additional Options:

- **Motorized Drive Rollers with Compatible Drive-cards**
 - Insight or Itoh Denki
- **Product Detection Sensors****
 - Retro-reflective photo eyes
 - For product heights > 3" only
 - "Through the roller" photo eye bar
 - For all product heights†
 - Part-sensing light curtain
 - For all product heights‡
- **Custom Powder Coat Colors**



** BASED ON APPLICATION † NOT COMPATIBLE WITH BELT-OVER-ROLLER
‡ ONLY COMPATIBLE WITH BELT-OVER-ROLLER

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The hardware plus controls version of Agility 24V is ready for use once plugged into a power outlet and requires minimal configuration or assembly. The hardware plus controls option includes all the following components:

- Conveyor with 7" C-channel
- Motorized Drive Rollers with Compatible Drive Cards
 - Insight, Itoh Denki
- Power enclosure: 120VAC Input*
- Control Stations*
 - Start/Stop push button for simple conveyor control
 - E-Stop push button for immediate conveyor stoppage
- Product Detection Sensors**
 - Retro-reflective photo eyes for product heights > 3" only
 - "Through the roller" photo eye bar for all product heights†
 - Part-sensing light curtain for all product heights‡
- Leg Sets
- Idler Rollers
- O-rings, Poly-V Belts, or Belt-Over-Roller
- Standard Black Powder Coat

Additional Options:

- Emergency Rope Pull
- Custom Powder Coat



* NUMBER OF POWER ENCLOSURES AND CONTROL STATIONS REQUIRED WILL VARY BASED ON APPLICATION

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‡ ONLY COMPATIBLE WITH BELT-OVER-ROLLER

Design & Performance

Drive: 24V DC Motorized Drive Rollers (MDR)
Style: O-ring, Poly-V, or Belt-Over-Roller (BOR) zones
Conveyor Widths: Standard 15"- 33" Between Frames <i>(AVAILABLE IN 3" INCREMENTS)</i>
Zone Lengths: Standard 24" & 33" <i>(CUSTOM ZONES AVAILABLE)</i>
Avg. Zone Speed: 30-180 ft/min (FPM)
Elevation: 8" to 48" top of roller (TOR) standard
Zero pressure accumulation (ZPA)
Level, Incline, & Decline available

Electrical

Customer Supplied Voltage: Without Lozier + CASI Supplied Power Enclosure: 24V DC Lozier + CASI Supplied Power Enclosure: 120VAC
Construction Standard: UL508A <i>(LOZIER+CASI POWER ENCLOSURE ONLY)</i>
Safety: Category b <i>(HARDWARE PLUS CONTROLS OPTION ONLY)</i>

Controls

MDR Manufacturer Options: Insight, Itoh Denki
Component Management: Side channel contains most components & wire management.
Drive Card Controlled

Product Specifications

O-Ring / Poly-V
Min Box Size: 6" x 6" x 2"
Min Box Weight: 1 lbs
Max Box Size: 42" x 30" x 33"
Max Box Weight: 50 lbs (O-Ring) 100 lbs (Poly-V)*
Belt-Over-Roller
Min Box Size: 6" x 6" x 1"
Min Box Weight: 1 lbs
Max Box Size: 42" x 30" x 33"
Max Box Weight: 50 lbs*
Min Mailer Size: 6" x 6" x 0.25"
Max Mailer Size: 18" x 12" x 4"
Min Mailer Weight: 0.1 lbs
Max Mailer Weight: 10 lbs*

Auxiliary Equipment

Automatic Sorting with CASI SortMaster Diverts: SM-100, SM-101E, & SM-130
Barcode Scanning
Inline Weighing & Dimensioning
Automated Print & Apply
Automatic Document Insertion

* INCLINES & DECLINES AFFECT WEIGHT MAXIMUMS





O-Ring Driven Roller Conveyor

- ✓ Used to transport products on assembly and production lines.
- ✓ Modular design allows suitability for a wide range of applications.
 - Low energy consumption & noise level
 - Modular design: Low maintenance & low replacement cost
 - Safe: Rollers stop immediately when strained



Poly-V Belt Driven Roller Conveyor

- ✓ Perfect for high-speed conveyor applications
- ✓ When conveyance of heavier product is required
 - Operation on fixed center: Eliminates need of tensioning devices
 - Easy installation
 - Cost reduction: Lower overall drive cost
 - Less downtime & less maintenance expertise required
 - Quiet and smooth operation: Belts act as damping springs, capable of absorbing intermittent & overloads with minimal noise & vibration
 - Low energy consumption



Belt-Over-Roller Drive Conveyor

- ✓ Conveyance of a wide variety of products
- ✓ The right choice for inclines and declines
- ✓ Ideal for accurately tracking product's position or maintaining set gaps
 - Capable of conveying nearly any type of product or package
 - Preferred for conveying very small product or packages
 - Preferred for conveying flats or flexible mailers
 - Requires less energy

THANK YOU

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