



# Logistex MR200 Motorized Roller Conveyor

## FEATURES

- Zero contact, zero pressure accumulation
- Logistex ZC200 logic platform expandable for additional control
- Equipped with a wide variety of pre-engineered standard module functions
- Options available for roller centers, roller coatings & motor torque
- Flexible zone length recognition
- Simple controls configuration with switch settings for standard module logic functions

## BENEFITS

- Reduces installation time and complexity with tool-less zone control installation, wiring and configuration, including network setup and diagnostics
- Eliminates the need to program standard accumulation and release control functions
- All electric design and run-on-demand logic reduces energy consumption
- Requires no significant preventative maintenance
- LED indicators and reduced wiring connections minimize potential points of failure and simplify troubleshooting
- Minimum noise levels



The new Logistex MR200 24-volt powered motorized roller conveyor provides zero pressure, zero contact accumulation with the most innovative controls platform on the market today. The product introduces the Logistex ZC200 zone control platform, including a simple dual zone controller that accommodates the most common basic functions typically required by motorized roller technology. The Logistex ZC200 zone control provides seamless integration with other Logistex Case Conveyor Solutions and allows for scalable upgrades to provide more sophisticated system control when required.

The Logistex MR200 includes a wide variety of pre-engineered modular assemblies, providing maximum layout flexibility.

Measurable benefits of the Logistex MR200 include reduced start-up and operating costs, minimum maintenance requirements, reduced spare parts requirements and simplified diagnostics.

A cohesive family of conveyor for case, package, tote, and tray handling, Logistex Case Conveyor Solutions provide exceptional performance, superior reliability, and industry-leading throughput rates. Designed to reduce maintenance and operational costs, Logistex Case Conveyor Solutions are easy to maintain, require minimal tools and spare parts, and incorporate the latest energy-saving technologies.





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## SPECIFICATIONS

Live Load: 35 kg (75 lbs) per carton

Widths: 450 mm, 550 mm, 650 mm, 750 mm, 850 mm or 1000 mm (17.7 in, 21.6 in, 25.6 in, 29.5 in, 33.5 in or 39.4 in)

Speeds: 55 m/min (180 ft/min) – standard, potentiometer adjustable down to 27 m/min (88.5 ft/min), spur junctions available up to 100 m/min (330 ft/min)

Drive Rollers: 50 mm (1.9 in) diameter, 11 mm (7/16 in) hexagonal shaft, 24-volt DC, brush-less, optional brake roller, optional high torque roller, optional high torque with brake roller, optional urethane sleeve

Commutation: External commutation cards, speed and direction adjustable via switch, speed variable (50-100% of rated speed) via potentiometer, optional acceleration & deceleration adjustment

Idler Rollers: 50 mm (1.9 in) diameter, 11 mm (7/16 in) hexagonal shaft, ABEC bearings, urethane sleeve option, 75 mm or 100 mm (3 in or 4 in) pitch options

Zone Controller: Dual zone design, LEDs indicate communication and actuation status, switches for various configurations, such as slave, gate, merge, divert, and workstation zones

Zone Director: Expandable logic platform that runs completely independent or integrated with system level controls, choose from six connectivity options including USB, DeviceNet and Ethernet IP

O-Rings: 5 mm (0.197 in) diameter, polyurethane thermoplastic

Belts: Conveying side material - PVC waffle structure, pulley side material – PET fabric, optional high friction belt

Sensors: Retro-reflective, NPN (sinking output), optional between-roller background suppression sensor, optional dual sensors for reversing applications

Power Supplies: Input voltage 88~264VAC (auto sensing), output voltage 24V, 0~20A, overload protection 105~135% fold back current limiting with auto recovery

Side Guide: Aluminum extruded construction, optional offset bracket for oversized or undersized carton requirements, optional dual extrusions for tall carton requirements, optional low and high steel channel guide

*All measurements are approximate.*





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## Modules Available:

Roller Straights: Zone lengths of 500 mm, 750 mm or 1000 mm (19.7 in, 29.5 in or 39.3 in), module lengths up to 4 m (13 ft)

Roller Curves: Curve angles of 90°, 60°, 45° and 30°

Roller Slaves: Modules of lengths less than one full zone, straights available in lengths of 50 mm to 475 mm (2 in to 19 in) on 25 mm (1 in) increments, curve slaves available in 30° configuration

Belted Units: Zone lengths 500 mm, 750 mm or 1000 mm (19.7 in, 29.5 in or 39.3 in), module lengths up to 4 m (13 ft), accumulating incline and decline angles up to 20°, four drive roller options, two belt material options

Belted Transitions: Standard belted units with hardware to simplify installation and adjustment of transitions between horizontal runs and inclines or declines

Roller Merges: Configurations of 30° and 45°, module includes mainline and merging junction shipped a pre-assembled and tested, fully self-contained "first-come, first-merge" logic, no need for additional controls

Spur Junctions: Configurations of 30° and 45°, optional high torque / high speed drive roller for use in high throughput merging and sortation applications

Gates: Lengths of 750 mm or 1000 mm (29.5 in or 39.4 in), 50 mm, 75 mm or 100 mm (2 in, 3 in, or 4 in) roller centers available

## MARKETS SERVED

- Apparel Warehousing & Distribution
- Automotive Aftermarket
- E-commerce
- Food & Beverage Distribution
- Government Post Offices
- Ground Distribution Systems
- Health & Beauty
- Mail-Order Fulfillment
- Overnight Distribution Systems
- Pharmaceuticals Distribution
- Publishing Distribution
- Retail Distribution
- Third Party Logistics

*All measurements are approximate.*

