



MODULAR PORTABLE ROLLER CONVEYOR

1.9" DIAMETER "O-BELT" DRIVEN LIVE ROLLER CONVEYOR

DETAILS

CONVEYING WIDTH: 36" or 48"

The effective conveying width is determined by package size, available floor space, and application specific needs.

CONVEYING ELEVATION: 24" - 48"

Standard conveying elevation is 32", but load and unload areas can be lower or higher as needed. Elevations higher and lower than this range can be achieved on a custom basis.

LENGTH (straight): 60" / 120"

The standard individual straight section is 120" long; these can be coupled together for runs of any length needed. Lengths other than the standard 60" and 120" are available on a custom basis but need to be divisible by the roller centers.

DEGREE (curved): 30° / 45° / 60° / 90°

90° turns are standard on most systems, but 30°, 45°, and 60° turns are available as needed for special layout situations.

IDEAL END USES

Our MPRC technology can be applied throughout your operation in a variety of ways:

- Transportation
- Zone Accumulation
- Sortation
- Gapping
- Merging
- Splitting
- Dock Delivery
- Parcel Fulfillment

INDUSTRY NEED

Keeping up with the continually changing and ever-growing retail, e-commerce and distribution industries can be a daunting task as you strive to stay ahead of the pack. The traditional fixed positioned conveying systems are designed to carry out a single process, limiting flexibility required for ever-changing demand.

OUR SOLUTION

We developed an innovative modular conveyor system that is configurable, portable, quiet, durable, and cost-effective. Our **Modular Portable Roller Conveyor (MPRC)** system can connect in straight runs up to 80 feet with a single 110v power drop. The system can combine with powered curves to maneuver around existing equipment or building structures. Our configurable conveying system can provide you with the flexibility you need to manage ever-changing markets.

FEATURES & BENEFITS

- Safe - no guarding
- Portable
- Configurable/re-configurable
- 110v single phase power req.
- Reversible
- Variable speed
- Close Roller Centers
- Fully assembled for easy installation
- Plug and play
- Low maintenance; requires minimal spare parts
- Smooth operation
- Quiet

TECHNICAL DATA

- Heavy Duty Steel Construction
- Modular components designed for quick system configuration and installation
- Configurations for manual divert and sorting

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SPECIFICATIONS

STANDARD FEATURES

Elevation: 24" – 48"

Speed: 30-180 FPM

Roller Centers: 3"

Frame: Channel with ergonomic friendly return flanges

Motor: 90 VDC

Rollers: 1.9 diameter, 16 gage galvanized tube with ABEC precision bearings, spring retained axle

Supports: 10' standard, retractable design

Frame Finish: Light Gray Powder Coat, other colors available in quantity orders

Power: 120 Volt, Single Phase, 60 hertz

OPTIONS

- Non-powered roller conveyor
- Other Lengths based on roller space increments
- 2.105" roller centers for small packages
- Urethane rollers for up to 8 degree incline/decline
- Frame protected O-Rings (MPRC+)
- Brushless DC motors with Ethernet IP connectivity
- Elevated supports

ACCESSORIES

- Side Guards, UHMW lined or high density wheel lined
- Merge and Aligner angled roller configurations
- Divert devices
- Impact carts for loading
- Remote or Centralized PLC/HMI system controls



STRAIGHT



CURVED

MPRC SYSTEM LAYOUT EXAMPLES



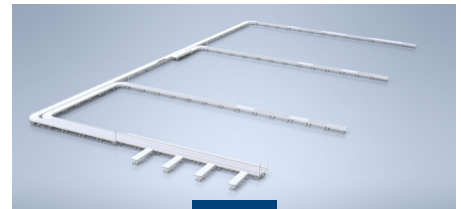
1W1F

A single-lane system with (1) runout for transport or sorting. Shown with (2) dock conveyors.



2W2F

A dual-lane system with (2) runouts for transport or sorting. Shown with (3) dock conveyors. Opportunity at dock to sort to the two destination runouts.



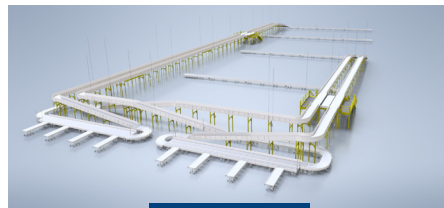
2W3F

A dual-lane system with (3) runouts for transport or sorting. Shown with (4) dock conveyors. Opportunity at dock to sort to runout 1, or runouts 2 and 3. A sort position further downstream provides sorting to runout 2 or if unmanned product will travel to runout 3.



2W4F

A dual-lane system with (4) runouts for transport or sorting. Shown with (5) dock conveyors. Opportunity at dock to sort to runouts 1 and 2, or runouts 3 and 4. Downstream sort positions provide sorting to first of two runouts, or if unmanned, product will travel to the last runout of the pair.



2W4F (ELEVATED)

A dual-lane system with two elevated sides of two lanes each. (4) runouts for transport or sorting. Shown with (8) dock conveyors. Opportunity at all dock positions to sort to either side of system. One side feeds runouts 1 and 2, the other feeds runouts 3 and 4. An elevated sort position on each side provides sorting to first of two runouts, or if unmanned, product will travel to the last runout of the pair.



2W6F (ELEVATED)

A dual-lane system with two elevated sides of two lanes each. (6) runouts for transport or sorting. Shown with (10) dock conveyors. Opportunity at all dock positions to sort to either side of system. One side feeds runouts 1, 2, and 3, the other feeds runouts 4, 5, and 6. Two elevated sort positions on each side provide sorting to first or second of three runouts. If unmanned, product will travel to the next sort position, or on to the last runout of the side.