

# PRODUCT CATALOG

Milwaukee Conveyor Product Cut-sheet Catalog



[milwaukeeconveyor.com](http://milwaukeeconveyor.com)

[jocain@milwaukeeconveyor.com](mailto:jocain@milwaukeeconveyor.com)

262-527-3029

# AUTOFLEX 1.9 POWERED FLEXIBLE CONVEYOR TRANSPORTATION

v1.1

**A convenient and safe powered conveyor solution designed for flexible loading, unloading, transport, and assembly.**

The Milwaukee Conveyor 1.9 Powered Autoflex offers customers unmatched flexibility in conveyance.

Designed primarily for the fast and safe loading and unloading of packages in and out of dock trailers, Autoflex is also ideal for both temporary and permanent assembly lines, peak or seasonal workflows, and for creating efficient, spaced-out work areas.

With its simple mobility and flexibility, Autoflex adapts easily to a variety of applications; it's easy to expand, curve, contract, and relocate quickly to other areas or store as needed.



## STANDARD FEATURES

- **Widths:** 30" (optional 24" available)
- **Configurable Units:** Each unit can be set up as either a parent or child configuration.
- **Interlock Sockets:** Input and output interlock sockets included for seamless operation.
- **Push-Button Controls:** Convenient push-button control located at both the infeed and discharge ends.
- **End-of-Line Sensing:** Integrated end-of-line sensing for enhanced efficiency and safety.
- **Ergonomic Design:** Handles on every leg support for easy maneuverability.
- **Advanced Motor Technology:** Powered by 24V DC brushless motor technology.
- **Load/Unload Convenience:** Equipped with a pull bar at the load/unload end for easy handling.
- **Mechanical Connections:** Hook and rod couplers included for secure mechanical connections.
- **Electrical Connections:** 7/8" male and female plugs for connecting multiple systems.

24" Roller Width	30" Roller Width	Leg QTY	Conv Length Expanded	Conv Length Collapsed
MCAFI.92422PT	MCAFI.93022PT	8	22'	10'
MCAFI.92440PT	MCAFI.93040PT*	13	40'	17'
MCAFI.92460PCT	MCAFI.93060PCT	21	60'	27'
MCAFI.92480PCT	MCAFI.93080PCT*	26	80'	34'
MCAFI.924100PCCT	MCAFI.930100PCCT	34	100'	44'
MCAFI.924120PCCT	MCAFI.930120PCCT*	39	120'	52'

## STANDARD SPECIFICATIONS

**Capacity:** 50 lbs. per foot / 100 lbs. per package.

**Speed Options:** Seven operator-controlled speeds, up to 115 feet per minute (FPM)

**Height:** Adjustable from 28.5" to 38.5".

**Locking Casters:** 6" locking casters on every wheel for stability and mobility.

**Operator Controls:** Start, stop, and speed adjustment for precise operation.

**Mode Selector:** Parent/Child mode selector switch for versatile configurations.

**Roller Centers:** 5" centers standard, with optional 4"

## STANDARD LENGTHS:

Standard Systems expanded

- Parent 22'L
- Parent 40'L
- Parent + Child-1 60'L
- Parent + Child-1 80'L
- Parent + Child-1 + Child-2 100'L
- Parent + Child-1 + Child-2 120'L

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N8069 County Road F #109

Ixonia, WI 53036

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# AUTOFLEX 1.9 POWERED FLEXIBLE CONVEYOR ACCUMULATION

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**Accumulating conveyor solutions are ideal for applications requiring sorting, scanning, or seamless integration with other equipment.**

The Milwaukee Conveyor 1.9 Powered Autoflex Accumulation delivers unparalleled flexibility in conveyance. Since accumulation flex conveyors consist of independent zones and sensors, they allow for more throughput and efficiency. The conveyors can be filled up without continuous human interaction and ideal for single person load/unload applications.

It's also an excellent choice for temporary or permanent assembly lines, peak or seasonal operations, and optimizing workspace layouts. With its mobility and adaptability, Autoflex easily adjusts to a variety of applications—effortlessly expanding, curving, contracting, and relocating to other areas or compactly storing when not in use.



## STANDARD FEATURES

- **Widths:** Available in 30" (optional 24").
- **Three Conveyor Modes:** Select from Singulate, Train Release, or Transportation modes.
- **Illuminated Mode Indicator:** Visual light indicator for active mode selection.
- **Extended Zones:** Up to 48" zones when expanded.
- **Sensor Bars:** Equipped with (6) sensors per bar for 30" width and (4) sensors per bar for 24" width.
- **Configurable Units:** Each unit can function as a parent or child system.
- **Interlock Sockets:** Input and output sockets for seamless integration.
- **Push-Button Controls:** Easy control at infeed and discharge points.
- **End-of-Line Sensing:** Ensures safe and efficient operation.
- **Ergonomic Handles:** Handles on every leg support for easy movement and adjustments.
- **Advanced Motor Technology:** Powered by 24V DC brushless motors for reliable performance.
- **Load/Unload Convenience:** Pull bar included at the load/unload end.
- **Mechanical Connections:** Hook and rod couplers for secure connections.
- **Electrical Connectivity:** Features 7/8" male and female plugs for connecting multiple systems effortlessly.

24" Roller Width	30" Roller Width	Leg QTY	Conv Length Expanded	Conv Length Collapsed
MCAFI.9242IPA	MCAFI.9242IPA	8	21'-2"	10'-4"
MCAFI.92438PA	MCAFI.93038PA*	13	38'-4"	17'-8"
MCAFI.92459PCA	MCAFI.93059PCA	21	59'-11"	28'-5"
MCAFI.92477PCA	MCAFI.93077PCA*	26	77'-1"	35'-9"
MCAFI.92498PCCA	MCAFI.93098PCCA	34	98'-8"	46'-5"
MCAFI.924115PCCA	MCAFI.930115PCCA*	39	115'-10"	53'-10"

## STANDARD SPECIFICATIONS

**Capacity:** 50 lbs. per foot / 100 lbs. per zone.  
**Speed:** 7 selectable speed settings, adjustable by the operator, up to 115 feet per minute (FPM).  
**Height Adjustment:** Adjustable from 28.5" to 38.5" for flexible operation.  
**Casters:** 6" locking casters on every wheel for easy mobility and secure positioning.  
**Operator Controls:** Start, stop, and speed adjustment for precise control.  
**Mode Selector:** Parent/Child mode selector switch for configurable system operation.  
**Roller Centers:** Standard 5" centers, with optional 3" and 4" centers.

## STANDARD LENGTHS

Standard Systems expanded

- Parent 21'-2"L
- Parent 38'-4"L
- Parent + Child-1 59'-11"L
- Parent + Child-1 77'-1"L
- Parent + Child-1 + Child-2 98'-8"L
- Parent + Child-1 + Child-2 115'-10"L

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## AUTOFLEX POWERED TUGGER

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**Specifically designed to make moving conveyors easier, safer, and more efficient.**

The integrated **Autoflex Powered Tugger** simplifies the task of pulling Autoflex conveyors in and out of trailers. Handling longer conveyor runs and steep dock plates can be physically demanding, but the Powered Tugger provides an ergonomic and powerful solution.

It enhances safety and ease of maneuverability, ensuring effortless operation when moving Autoflex conveyors in and out of dock trailers.

The **"Twist Grip" Throttle** enables precise control of both forward and reverse speeds, providing seamless assistance to the operator during conveyor movement.



### STANDARD SPECIFICATIONS

- **Load Capacity:** 50 lbs. per foot / 100 lbs. per zone.
- **Push/Pull Speed:** Adjustable from 0-100 FPM, with forward and reverse capabilities.
- **Integration:** Fully integrated into standard Autoflex 1.9 modules—no field connection or installation required.
- **Roller Diameter:** 1.9 inches.
- **Roller Centers:** Standard 5-inch axle centers, with 3-inch and 4-inch options available.
- **Height Adjustment:** Roller height adjustable from 31" to 38.5".
- **Construction:** Steel frame with galvanized finish and RAL9010 white painted frame.
- **Package Stop Sensing:** Included for enhanced safety and control.
- **Control Features:**
  - **Yellow Illuminated Pushbutton:** Speed control at the infeed and discharge of each module.
  - **Red/Green Illuminated Pushbutton:** Start/stop controls at the infeed and discharge of each module.
  - **E-Stop:** Emergency stop for the push/pull function.
- **Conveyor Speed:** Seven selectable speeds, up to 115 FPM.
- **Tires and Casters:**
  - 8" fixed pneumatic rear tires.
  - 8" steering swivel casters for smooth maneuverability.

#### MCAFPT-5-30

**Autoflex Powered Tugger:** Features 30-inch wide rollers with a 5-inch center-to-center roller distance.

**Factory Integration:** Fully integrated into Autoflex conveyor equipment for seamless operation and installation-free setup.

#### MCAFPT-5-24

**Autoflex Powered Tugger:** Equipped with 24-inch wide rollers and a 5-inch center-to-center roller distance.

**Factory Integration:** Pre-integrated into Autoflex conveyor equipment for a seamless, installation-free setup.

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## **Innovative solution designed to simplify and optimize the process of loading trucks directly from a 2nd-floor mezzanine.**

Designed to streamline your operations, this solution enables efficient package movement with a seamless workflow: decline from the mezzanine, center for alignment, store temporarily, and load directly into trucks.

Minimizes manual effort, reduces loading times, and enhances safety. Perfect for facilities with multi-level operations, this setup maximizes productivity while utilizing vertical space efficiently. Whether for peak seasons or daily use, this solution ensures a streamlined and reliable loading process.



## **STANDARD SPECIFICATIONS**

### **AC Belt Conveyor**

- **Length:** 30 feet with four heavy-duty leg supports.
- **Infeed Elevation:** Adjustable to seamlessly transfer products from a 2nd-floor mezzanine to floor-level conveyors.
- **Guardrail:** 6-inch tall guardrails installed along the full length of the belt conveyor for enhanced safety.

### **Herringbone Gravity Transition**

- **Length:** 6 feet, with a 2-foot ramp for product centering.
- **Design:**
  - Positioned at the end of the belt conveyor to center products onto the flexible conveyor.
  - **Pivot Points:** The herringbone pivots at its connection with the belt conveyor, while the ramp pivots at its connection with the herringbone and rests on the conveyor rollers.
  - **Wear Protection:** Equipped with UHMW wear strips for durability and reduced friction.

### **Powered Autoflex 1.9 Extendable Conveyor**

- **Length:**
  - Approximately 80 feet when fully extended.
  - Contracts to 35 feet, allowing comfortable truck access and maintaining walkways.
- **Roller Specifications:**
  - 1.9-inch diameter rollers.
  - 24V DC powered drive rollers set below the surface with O-band drive.
  - 5-inch center-to-center roller spacing when fully extended.

### **Guide Rack**

- **Construction:** 2-inch square tubing for durability and ease of use when expanding or contracting the conveyor.
- **Front Guide:** Tapered to guide the flex conveyor smoothly under the belt conveyor.
- **Backstop:** Constructed from 4-inch square tubing with additional gussets for extra strength and stability.

### **Cable Management**

- **Cable:** 12/3 SOOW cable with a 45-foot length, single outlet, and auto-retract function.
- **Positioning:** Reel positioned near the backstop for efficient cable organization.

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## STORAGE RACK WITH CABLE REEL

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**Provides numerous advantages in load and unload areas, enhancing organization, efficiency, and safety.**

The cable reel system allows the conveyor to extend deeper into trucks for improved loading and unloading, while contracting further when not in use to save space and enhance mobility.

It keeps cables neatly stored, protecting surrounding equipment, and fits under decline conveyors, making efficient use of vertical space. By eliminating the need for floor extension cords, the system reduces clutter, minimizes tripping hazards, and improves safety in the facility.



### STANDARD SPECIFICATIONS

#### HD Guide Rack Construction

- **Material:** Constructed from 2" square tubing, the guide rack provides robust support and allows for easy expansion and contraction of the conveyor system.
- **Design:** The strong construction ensures long-lasting durability and precise guidance, helping maintain smooth conveyor movement.
- **Tapered Entry:** The front of the guide rack features a tapered entry to assist in guiding the flexible conveyor either by itself or under overhead conveyors.
- **Reinforced Support:** Built with 4" square tubing, the backstop is equipped with additional gussets to the floor, providing extra stability and strength for reliable operation.

#### Cable and Reel System

- **Cable:** The system is equipped with a 12/3 SOOW cable, offering flexibility and durability for industrial environments.
- **Reel:** The cable reel is positioned near the backstop, featuring a single outlet and tensioned auto-retract capability for neat storage and easy management.
- **Power Input:** The system operates on a 120VAC, 15A input, providing ample power for efficient operation while ensuring safe, reliable performance.

TRANSPORTATION STORAGE RACK OPTIONS

24" Roller Width	30" Roller Width	Rack Length	Stored Conveyor
SR-10-24-T	SR-10-30-T	10'-0"	10'-0"C - 22'-0"E
SR-17-24-T	SR-17-30-T	17'-0"	17'-0"C - 40'-0"E
SR-27-24-T	SR-27-30-T	27'-0"	27'-0"C - 60'-0"E
SR-34-24-T	SR-34-30-T	34'-0"	34'-0"C - 80'-0"E
SR-44-24-T	SR-44-30-T	44'-0"	44'-0"C - 100'-0"E
SR-52-24-T	SR-52-30-T	52'-0"	52'-0"C - 120'-0"E

ACCUMULATION STORAGE RACK OPTIONS

24" Roller Width	30" Roller Width	Rack Length	Stored Conveyor
SR-10.4-24-A	SR-10.4-30-A	10'-0"	10'-0"C - 22'-0"E
SR-17.8-24-A	SR-17.8-30-A	17'-0"	17'-0"C - 40'-0"E
SR-28.5-24-A	SR-28.5-30-A	27'-0"	27'-0"C - 60'-0"E
SR-35.9-24-A	SR-35.9-30-A	34'-0"	34'-0"C - 80'-0"E
SR-46.5-24-A	SR-46.5-30-A	44'-0"	44'-0"C - 100'-0"E
SR-53.10-24-A	SR-53.10-30-A	52'-0"	52'-0"C - 120'-0"E

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## CENTERING CONVEYOR WITH RAMP

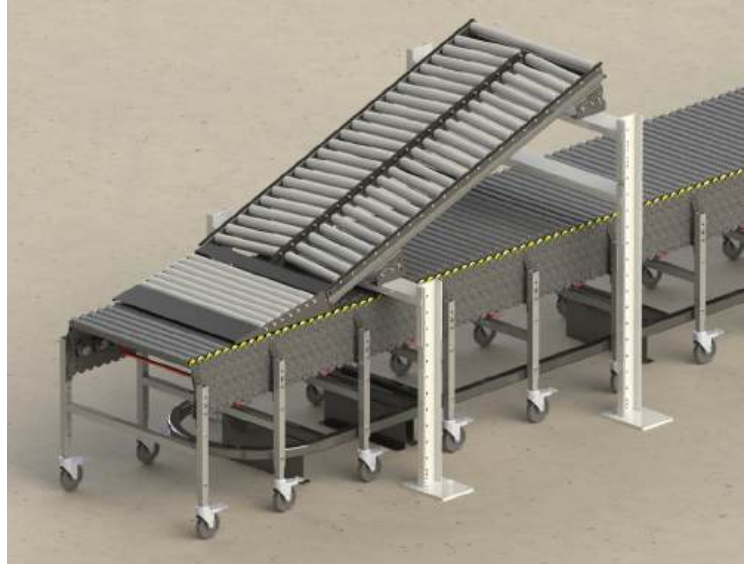
v1.1

**This system ensures seamless product flow from decline conveyors to flexible conveyors, improving alignment and operational efficiency.**

By centering products accurately as they move, it minimizes misalignment and reduces the risk of jams or delays, thereby enhancing overall operational efficiency.

The integrated herringbone design and ramp guide products into the flexible conveyor with precision, while the included sensors and brackets ensure reliable monitoring and control.

With robust construction and heavy-duty support, the system delivers consistent performance, making it an invaluable solution for optimizing workflow in high-demand environments.



### STANDARD SPECIFICATIONS

- **Width Options:** Available in 30-inch or 24-inch widths.
- **Purpose:** Positioned at the end of a conveying decline to center products onto the flexible conveyor for smooth transitions.
- **Dimensions:** 6-foot herringbone section with a 2-foot ramp for efficient product alignment.
- **Included Components:**
  - Decline attachment brackets for secure installation.
  - Sensor and brackets for gravity line integration, complete with full signals for enhanced control.
- **Support:** Equipped with heavy-duty support rests for stability and durability.