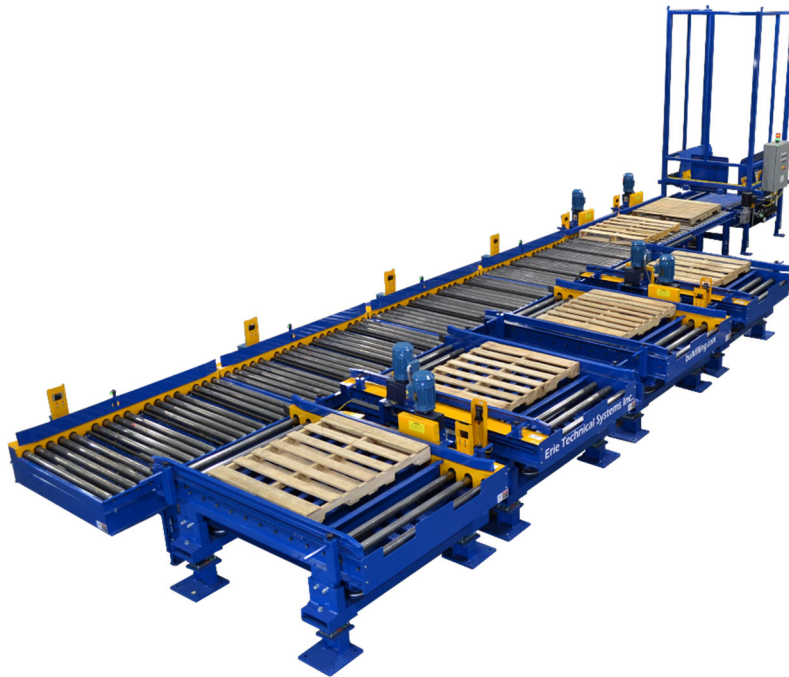


Pop-up Chain Transfer Conveyors Product Specifications

Erie Technical Systems Inc.
Material Handling Equipment



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Revised January 2025

A. Pop-Up Chain Conveyor (PUCT) Product Overview

Erie Technical systems Inc. manufactures standard and custom PUCT conveyors for moving bulk bags and totes on pallets for high throughput filling or unloading systems. Our PUCT conveyors are manufactured from heavy duty structural channel for reliable long-term operation in the harshest of industrial environments. The PUCT conveyor moves in one direction on chain driven live rollers and at 90-degrees using a chain conveyor that pops-up through the rollers. This allows the pallet to make a 90-degree turn traveling down a conveyor line.

Standard Size: 60" long x 50" effective width

Pallet Sizes: 40" x 40" up to 48" x 48"

Top of Roll: 24-13/16" to 28-5/16" adjustable

Speed: 35 fpm conveyor speed standard

Capacity: 750#/roller, 1 Metric Ton max on pallets narrower than 40", 2 Metric Ton max on pallets 40" and wider

Note that these are the standard and most common ranges. Custom sizes and designs are available. Minimum custom top of roll is 19".



Figure 1 – Chain Driven Live Roller Conveyor
from Erie Technical Systems Inc.

B. PUCT Conveyors Standard Features

- Heavy-duty welded structural steel frame
- Primed and painted Sherwin-Williams Polane S Plus
- 2.5" diameter rollers on 6" centers
- Two (2) 1HP motors, 460VAC, 3 phase, 60 hz.
- Heavy duty #60 Chain and sprockets
- Adjustable Pallet Guides
- Pallet Present Sensor assembly with mounting guard, swivel mount, 24VDC polarized retro-reflective sensor, and reflector.
- Adjustable legs with jack screws and locks.

C. Pop-up Chain Transfer Conveyor Standard Configuration

The standard configuration of the Pop-Up Chain Transfer Conveyor allows for moving a pallet in and exiting at 90 degrees. A single photo eye is provided, wired back to a junction box on the frame. Additional functionality can be created by adding a 2nd photo eye and reversing motor starters. See Figure 2 below for a layout with four PUCT conveyors feeding pallets to four fill stations. Each PUCT can divert the pallet into a fill station and then reverse to receive the pallet after the container is filled.

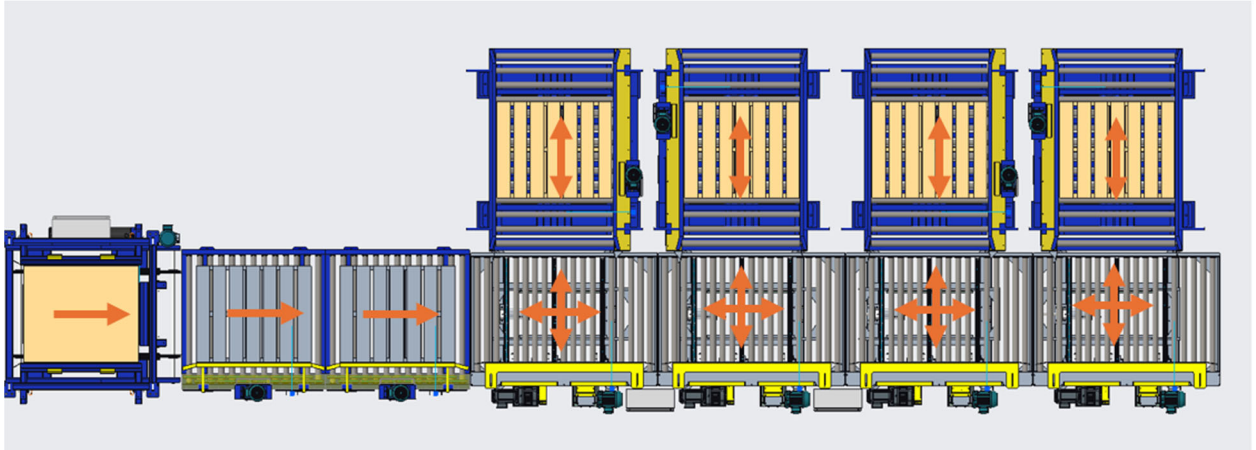


Figure 2 - Box Filling System with Pallet Dispenser, Inlet CDLR Conveyors, four (4) PUCT Conveyors, and four (4) fill stations.

Erie Technical Systems Inc. also manufactures Chain Driven Live Roller Conveyors (CDLR) and pallet dispensers to complement our PUCT conveyors shown here. Call today to discuss your conveyor needs with our experts – 814-899-2103.

Visit our website for additional products

www.bulkfilling.com.



Figure 3 – Chain Driven Live Roller Conveyor (CDLR)



Figure 4 – PalletMAX™ Pallet Dispenser