

Chain Driven Live Roller Conveyors

Product Specifications



Erie Technical Systems Inc.

Material Handling Equipment

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A. Chain Driven Live Roller Conveyors (CDLR) Product Overview

Erie Technical systems Inc. manufactures standard and custom CDLR conveyors for moving bulk bags and totes on pallets for high throughput filling or unloading systems. Our CDLR conveyors are manufactured from heavy duty structural channel for reliable long-term operation in the harshest of industrial environments. Each roller in the conveyor is linked to the next chain and all rollers are powered by the gear reduced motor.

Standard Size: 60" long x 50" effective width

Top of Roll: 25" to 28" 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.



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

B. CDLR Conveyors Standard Features

- Heavy-duty welded structural steel frame
- Primed and painted Sherwin-Williams Polane S Plus
- 2.5" diameter rollers on 6" centers
- 1HP motor, 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.

C. CDLR Conveyors Standard Configurations

The two common configurations of Erie Technical Systems CDLR conveyors are rollers set high, and rollers set low. Selecting rollers set low, the conveyor will have high sides to retain the pallet or tote being transported. Selecting rollers set high will allow for side unloading of the conveyor on the non-drive side with a forklift.

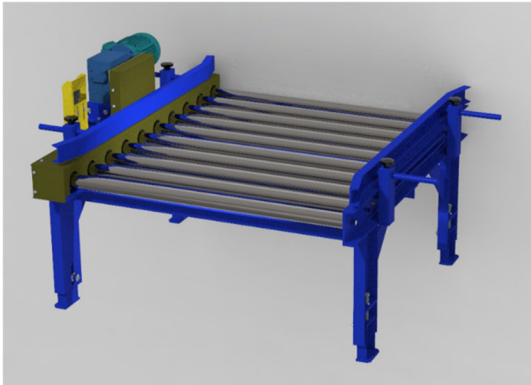


Figure 2 – CDLR Conveyor with Rollers Set Low

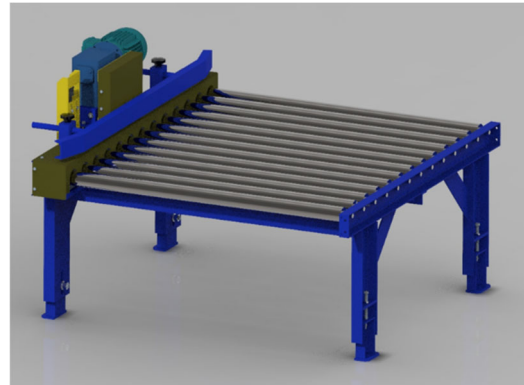


Figure 3 – CDLR Conveyor with Rollers Set High

Erie Technical Systems Inc. also manufactures Pop-Up Chain Transfer Conveyors (PUCT) and pallet dispensers to complement our CDLR conveyors shown here. Pop-Up Chain Transfer conveyors allow pallets and totes to be transferred at 90 degrees. Visit our website for additional details – www.bulkfilling.com.



Figure 4 - PUCT Conveyor



Figure 5 – PalletMAX™ Pallet Dispenser