

# POLY-V BELT DRIVEN STRAIGHT ROLLER TECHNOLOGY

## A Cost-Effective Conveyor Solution



### Industries:

- Warehousing & Distribution
- Manufacturing
- Order Fulfillment
- Aerospace
- Government Military & Agency
- Automotive
- Parcel Handling
- Appliance
- Cabinetry & Furniture
- Food & Beverage
- Tire

### Poly-V Benefits:

- Highly competitive with traditional hub inserts
- Costs 15–20% less than CDLR conveyors
- Extends maintenance intervals 3–4 times
- Smooth operation for high speed accumulation and transportation
- Quieter than chain or belt driven live roller conveyors

### Features:

- Uniquely capable of handling light to medium heavy loads in a variety of configurations
- Tight roller spacing to handle challenging loads
- Well-suited for zoned accumulation in multiple drive control configurations
- Integrates easily with 24v control architecture

2½ diameter rollers extend maintenance intervals and save significant costs vs. traditional Poly V hub inserts

### Industry Need:

Historically, Chain Driven Live Roller conveyors are the most reliable and proven method to transfer heavy loads. However, many times this traditional solution is loud, costly, and overkill for those “in between” loads that need a robust solution, but don’t justify the cost, and maintenance of CDLR.

### LEWCO Solution:

Enabled by our patented roller construction, the LEWCO solution offers a quiet, durable, and cost-effective way to convey loads up to 2500 lbs. Extremely cost competitive with our steel Poly V Sleeve vs. traditional Hub Inserts. Up to 20% less than CDLR too!

### LEWCO Poly-V Belt Driven 2½” OD Straight Roller Conveyor Technology facilitates:

- Unitized loads
- Pallet loads with bottom boards perpendicular to rollers
- Pallet loads with bottom boards parallel to rollers
- Tire and wheel delivery
- Appliance transport
- Side loading and unloading

# LEWCO PLV-25 Specifications:



## PLV-25

**Effective Width:** 6"–60"

**Beginning Elevation:** 8"–120"

**Length:** 48"–240"

**Ending Elevation:** 8"–120"

**Speed:** 20–110 FPM

**Roller Centers:** 3½", 4", 4½", 6"

**Drive:** Standard drive is mounted near the center of the conveyor length on belt guard side. Up to 20 conveyor rollers can be driven from each side of the drive roller. Additional drives are required to extend the conveyor length.

**Frame:** Standard frame includes 6" channel on chain box side and 4" channel on opposite side with roller set high in frame. Optional frame options include 6" channel on opposite side with roller set low in frame, or structural 6@8.2# & 4@5.4# with rollers set high, or structural 6@8.2# both sides with roller set low.

**Motor:** 1/2 HP through 2 HP, Energy efficient and inverter duty motors are also available along with Motorized Drive Rollers (MDR). Voltages include 115/1/60, 208/3/60, 230/3/60, 460/3/60 and 575/3/60 along with DC voltages for MDR drives.

**Rollers:** Standard - 2.50" diameter, 11 ga wall tube with 11/16" hex cold rolled steel axles, spring retained. Standard bearings are ABEC precision, grease packed. Rollers include Poly-V sleeves for (8) rib belts.

**Roller Covers:** Optional galvanized roller covers include polyurethane roller sleeves, Ultrex accumulation sleeves.

**Support Centers:** Standard supports are 5" formed channel with jack bolt adjustment floor supports on 5' centers.

**Frame Finish:** Standard finish is OSHA safety blue powder. Optional colors include green, beige, gray, orange, black and yellow.

### About LEWCO:

Located in Sandusky, Ohio, LEWCO is a world-class manufacturer Unit Handling Conveyors. LEWCO's product line is very diverse and serves a wide range of industries. Offering both "standard" conveyor systems and custom-designed networks of belts and rollers that vary by width, length, carrying capacity, speed and color, depending on the customer's needs—**LEWCO is your trusted partner for quality conveyor systems at a competitive price.**

**Contact us today at 419-625-4014 to discuss your equipment requirements. Our Application Engineers will assess your situation and recommend a cost-effective solution to meet your unique needs.**

