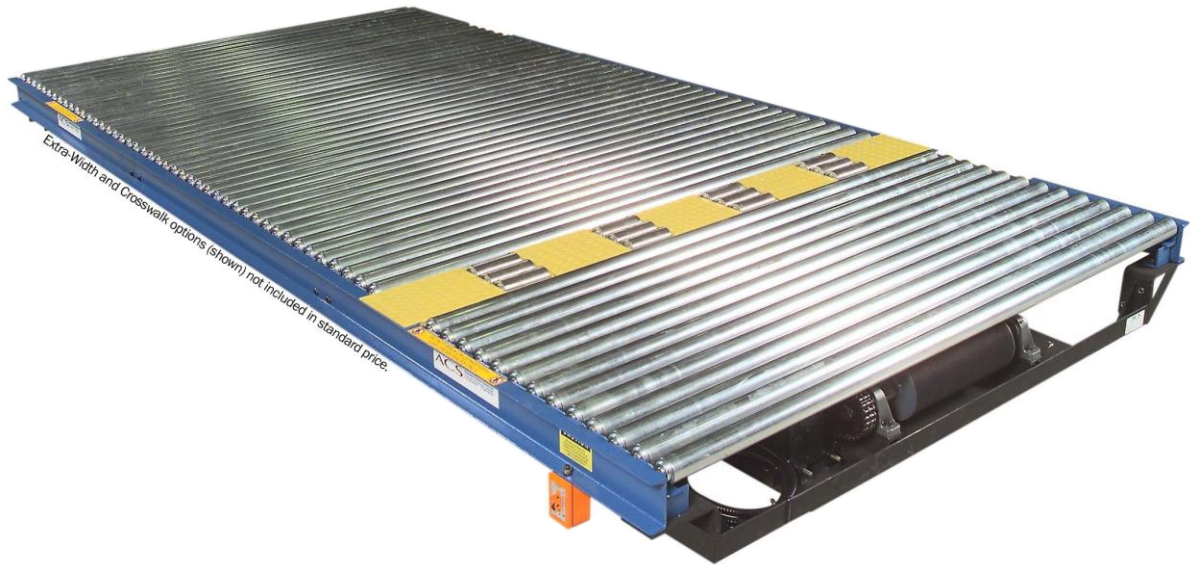


# **ACS ADVANTAGE:** *PRODUCTION CONTROL* **ACCUMULATING CONVEYOR**

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## DESCRIPTION

- Powered Live Roller Accumulating Conveyors (PLRA) are low profile, belt-driven, live roller conveyors which can provide zero-pressure load accumulation.
- PLRA conveyors have the capability to fully accumulate several loads without gaps and virtually eliminate pressure on the downstream load.
- The tension rollers on a PLRA conveyor turn when the drive motor is activated. The load-carrying rollers turn only when the tension rollers and drive belt are raised pneumatically to contact the load-carrying rollers. In effect, a PLRA conveyor is at times a gravity conveyor while at other times it is a powered conveyor.

## FEATURES

- Load stop brakes and precise positioning controls provide maximum conveyor utilization of various load sizes as well as precise load separation.
- Trued rollers ensure smooth load movement and minimize drive loading.
- End drive design for single direction applications and center drive design for dual direction applications.
- Belt tensioning is integrated into drive assembly. Fixed tail pulleys provide reliable belt tracking and consistent drive of end rollers,
- Pre-wired drive motors and safety lockouts.
- Made with precision CNC cut and punched components.

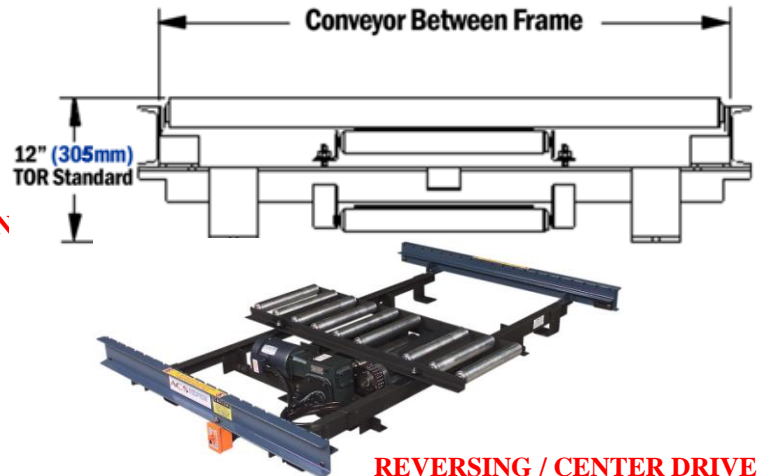
# ACCUMULATING CONVEYOR



## TYPICAL PHOTO-EYE

Photo-eyes control the tension racks, which can be configured to accumulate or index loads. Accumulation control permits high density storage with a wide range of load sizes. Index control creates zero-pressure load accumulation.

## CONVEYOR DESIGN



## REVERSING / CENTER DRIVE

Reversing/Center Drive provides the ability to run the conveyor in both forward and reverse. Directional control is chosen by operator-selected or automatic controls. Reversing conveyors consist of a reversing drive section, two tail pulley section (one mounted on each end of the conveyor line) and as many midsections as are required to complete the desired drive length.

## SPECIFICATIONS

Between Frame Bed Widths:	48", 60", 72", 84" and 96" (1.2 m, 1.5m, 1.8m, 2.1m and 2.4m)
Lengths:	5' 0" (1.5m) Standard with other lengths supplied for special purposes.
Top of Roller Elevation:	12" Standard (305 mm) Other elevations as needed.
Conveyor Speeds:	40, or 60 FPM (12, or 18MPM)
Minimum Air Requirements:	60 PSI Clean, Dry Plant Air At The Drops
Load Ratings:	
Structural Load:	1,240 lb (562 kg) Structural Strength per roll *For 3" (76mm) Centers
Conveyance (moving) Load:	Capacity per drive length: 1HP @ 40FPM (12MPM) or 1.5HP @ 60FPM (18 MPM) Is 33,000 lb (14,982 kg)
Product Construction:	Load-carrying Rollers are 2½" (64 mm) Diameter x 11 gauge welded galvanized tubing with 1¹⁄₁₆" (18 mm) hex tubing shafts placed on 3" (76 mm) centers. Tension Rollers are 1.9" (48 mm) Diameter galvanized tubing with 7⁄₁₆" (11 mm) solid hex shafts placed on 6" (152 mm) centers. Side frames are 5" (128 mm) structural channel with welded-on flat bar for placement of the drop in rollers.
Drive Components:	"C" Face mounted motor and a single right-angle worm-type reducer mounted on a slide base transmitting power through single 80# roller chain and sprockets.
Rollers:	Rugged frame is precision CNC cut and formed ¼" (6mm) sheet metal.
Controller:	24 VDC or 120 VAC