



# Center Pivot Conveyor



System's Center Pivot Conveyor (CPC) can be used at any point within the overall conveyor system. The CPC is primarily used where change in load direction is required, yet the load orientation must remain the same. This is particularly applicable where pallets may be used within the system. This is due to the fact pallets runners, or bottom boards, must remain perpendicular to the load carrying rollers to smoothly convey the load.

The CPC can be used as a right-angle discharge, as an in-line load rotation device (180 degree only), or as a multiple line intersection. At each feeding, or discharging conveyor line, transition sections (as shown above) must be provided to bridge the gap between the square ended conveyor line and the arcs of the CPC itself. The transitions provide full load support over the width of the conveyor to assure smooth load transition on and off the CPC.

The CPC, like all fine System Conveyor products, is an all-welded, steel frame construction, using precision laser cut parts for exact fit and function. This is a very low maintenance device applying the most advanced safety designs and features.



## OVERALL CONSTRUCTION

System's CPC features all-welded steel frame construction with precision laser cut parts. This is a self-contained unit.



## ADJUSTABILITY

System's CPC adjustments are factory preset. The final, fine-tune adjustments are made at the time of installation. No further adjustments are required once the system is up-and-running!



## DRIVE ASSEMBLY

System's CPC conveyor drive is very similar to standard floor conveyor. The CPC utilizes standard belt drive with under-conveyor drive assists to maximize roller utilization.

## SPECIFICATIONS

Between Frame Division Diameter	48", 60", 72", 84", 96" (conveyor width only) 72" = 8' 5 7/8", 84" = 10', 96" = 11' - 6" (Overall length requires 1" added to each adjoining conveyor for clearance)
Top-of-Roller Height	12" T.O.R.
Drive Capacity	3,500 lb/unit
Conveyor Speeds	45, 60 FPM
CPC Rotate Speed	45 FPM
Cycle Rating	80 loads/hour maximum at shown FPM (5' long load)

## CONSTRUCTION

Frame	All-welded steel construction
Drive Wheel	8" Dia. x 3" Face x 1 3/8" Bore
Idler Wheels	5" Dia. x 2 1/2" Face x 6 1/2" Overall Height

## SAFETY FEATURES

Frame	Guarding on all moving parts with toe-guard skirting surrounding all exposed areas of CPC
Audible Alert System	Alert system sounded when CPC is in motion
Visual Alert System	Flashing strobe when CPC is in motion

## CONTROL OPTIONS

Automatic	Positioning controls with electro-mechanical sensor actuation
Manual	Pushbutton operation

