

Performance Lineshaft Conveyor



Systec's Performance Lineshaft Conveyor is engineered for small bundle handling and load accumulation.

PLSC is a line-shaft driven roller conveyor. The rollers are driven using friction drive spools on the drive shaft. The friction drive is created with a tension belt stretched between the roller and spool. As the shaft turns, so turns the rollers. As the load stops, so does the turning roller, allowing the spool to free turn on the shaft. Additional loads can then accumulate behind the first load, which will stop in the same manner as just described. Loads can be stopped with a physical barrier, or with pneumatic brakes. PLSC offers optional devices for load transfer onto or off the conveyor line, such as a Belt Transfer Device (BTD), shown to the left.

All PLSC comes with adjustable leg stands to set the working height for comfortable, ergonomic conditions. This also allows the conveyor to be set at the required height at the feed end of the conveyor. Height differences between the beginning and ending of the conveyor line can be adjusted through out the length of the line.

Systec's PLSC is a very reliable and durable conveyor. Like all fine Systec Conveyor products, PLSC uses precision laser cut parts for exact fit and function. This is a very low maintenance conveyor and applies the most advanced safety designs and features.



OVERALL CONSTRUCTION

Systec's PLSC features precision machined and laser cut parts for extreme accuracy and durability. The line-shaft system is ideal for small bundle accumulation and conveying.



ADJUSTABILITY

Systec's PLSC offers adjustable leg stands that allow for adjustments ranging from 28" Top-Of-Roller, up to 61" Top-Of-Roller. Portable casters are also available for conveyor sections that require mobility.



DRIVE ASSEMBLY

Systec's PLSC drive assembly is a unique, under conveyor drive package. Chain drive tensioning is done easily from the side of the conveyor.

SPECIFICATIONS

Lengths	1' - 1' 9" on 3" increments 2' - 10' on 12" increments
Top-of-Roller Height	28" - 64" (add 5" for mobile caster set)
Drive Capacity	500 lb/unit
Conveyor Speeds	90 FPM
Gearmotor Rating	1 HP flange mounted hollow bore
Air Requirement	25 PSI (for brakes if used)

CONSTRUCTION

Frame	All-bolted steel construction
Drive Shaft	1" dia.
Drive Spool	1" I.D., derlin spool
Leg Stand	Precision laser cut and bent with slotted holes for non-incremental adjustability
Rollers	1.9" dia., 7/16 hex, on 3" centers

SAFETY FEATURES

Frame	Guards on exposed shafts
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CONTROL OPTIONS

Automatic	Positioning controls with electro-mechanical sensor Actuation
Manual	Pushbutton Operation

