



## Shaft Driven PhotoEye Accumulation Live Roller Conveyor (LSPE)



### FEATURES

**A**utomotion Shaft Driven Live Roller conveyor is available in various configurations to support numerous system applications. It is quiet, safe, and offers high speed and reversibility. It can power curves, straights, and other accessories such as transfers, junctions, and merges with a single drive. It is ideally suited when diverse live roller applications are required in a small area.

Photo-eye accumulation shaft driven conveyor utilizes Automotion's custom designed integral photo-eye/solenoid valve module to provide zero-pressure accumulation.

Automotion's Shaft Driven Live Roller Conveyor reduces overall system cost while enhancing system capabilities and flexibility. Costs are reduced because transferring, merging, diverting, and accumulating beds can all be powered by a single drive. The driveshaft, common to each of the shaft driven beds, is easily coupled to the next downstream conveyor bed. This flexibility allows your system to grow and adapt as your needs change. The internalized drive shaft makes the conveyor beds forklift friendly when installing at higher elevations.

Shaft Driven Live Roller Conveyor is primarily for horizontal transportation and accumulation of product. It allows personnel as well as automated accessories to stop, pull, divert or redirect loads to or from a main trunk line, work station, secondary line or palletizing unit. Shaft Driven Live Roller Conveyor has a large number of accessories available.

### MECHANICAL CHARACTERISTICS

#### Bed Section:

8" Deep x 1 3/8" Flange x 12 Gauge frame in 12" increments between 12" and 120". Accumulation zones are 24" or 30".

#### Galvanized Rollers:

1 7/8" Diameter, 16 Gauge, with 7/16" hex axle.

#### Drive Shaft:

1" diameter cold rolled shaft with standard spools and 3/16" dia. 83 durometer elastomeric drive belts.

#### PhotoEye/Solenoid Sensor Assembly:

24 VDC photo-eye/solenoid module with polarized retro-reflective eye.



### SPECIFICATIONS

#### Typical Applications:

Transportation  
Zero Pressure Accumulation  
Staging

#### Live Load Capacity:

Up to 20 lbs. per roller depending on width, roller centers, supports, etc.

#### Nominal Widths:

18", 24", 30" & 36"

#### Between Rail Widths:

16", 22", 28" & 34"

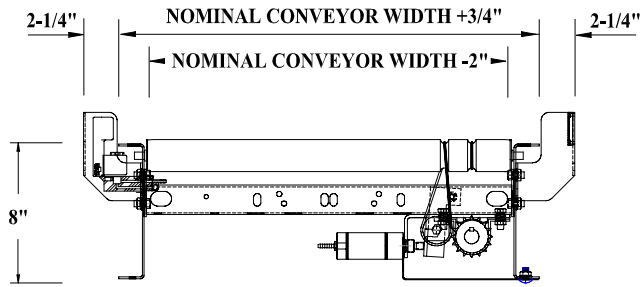
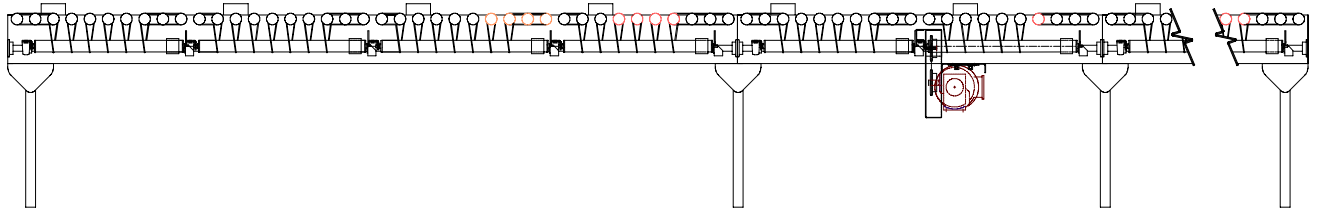
#### Carrying Roller Centers:

2", 3" & 4"

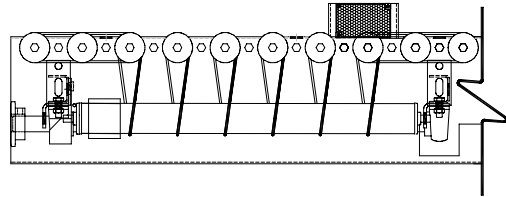
#### Options:

Guard Rails and Supports  
Hi-Speed Rollers  
Speed-Up Spools  
Various Slave Drive Units  
Personnel Gate Unit  
Powder Coat or Galvanized Finish





PRODUCT FLOW →



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