

PATENT  
PENDING

**Dripless** – The unique enclosed T-shaped track is open only on top

**Delay Stations** – Delays enable carrier to be disengaged from the power chain and delayed at predetermined work stations while the rest of the system continues to run.

**Carrier Accumulation** – Cost savings abound with carrier accumulation as equipment sizes are reduced and valuable real estate is saved. The carrier centers are compressed, based on the part size, to a minimum of 14".

**Carrier On Call** – Rhodes High Line outdates power and free conveyors. Carriers can be queued at critical operation points. The operator has limited control of the carriers in the queue with a "hold/early release process," without affecting the balance of the line.

**Simplicity** – The entire patent pending Rhodes High Line conveyor is composed of basic, durable, standard components factory assembled in modular fashion for ease of installation, use and maintenance.

## Rhodes High Line

The unique, patented Rhodes High Line Conveyor System requires significantly less floor space than a conventional overhead system. An average system installation can save 30% to 35% in floor space.

### Conveyor Drive

- Heavy duty welded plate construction
- Integral chain take up
- High torque gear reduction drive with inverter duty motor

### Carrier Accumulation

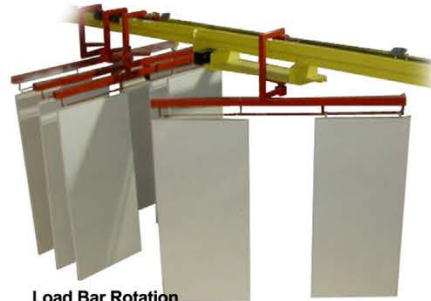
- Zero pressure accumulation at delay station
- Carriers accumulate in close pack position
- Carrier centers measured in inches, not feet

### Rhodes Accumulation

- Variable center accumulation to accommodate product size changes
- Accumulation on inclines, declines and level track
- Changing centers require only entering calculated distance on HMI screen

### Delay Station

- Track mounted delays stop carriers by disengaging tow pin from chain
- Delays operate independently, slaved or cascaded
- Delays are also used for average carrier value stations



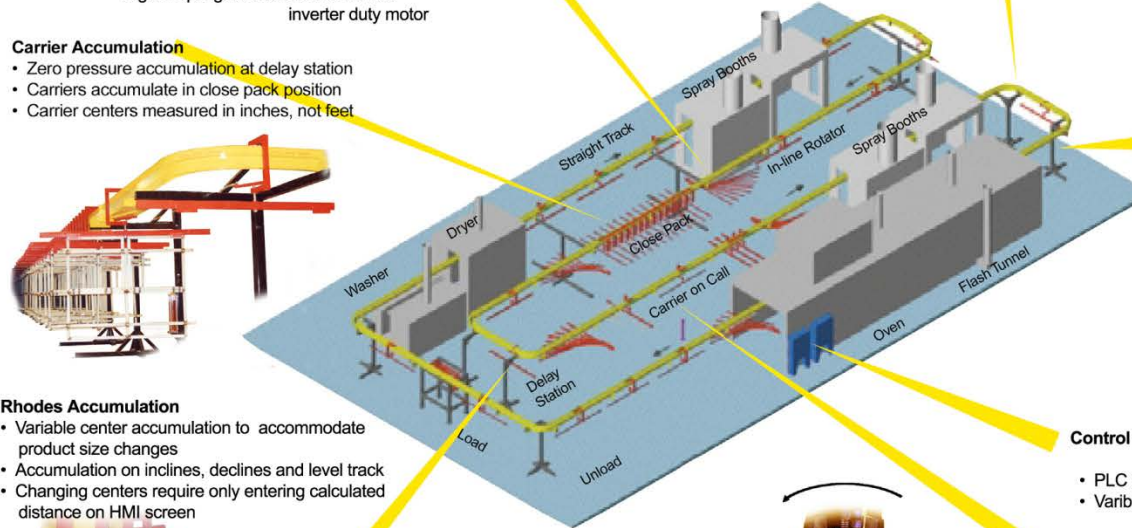
### Load Bar Rotation

- In-line rotator turns load bar 90 degrees to close pack position
- Second in-line rotator returns load bar to straight track position
- Stationary rotator rotates load bar while carrier is stopped



### Dripless Track/Short Radius Turns

- Standard enclosed 10' straight sections
- 2'-6" centerline radius turns
- 500 lb. Capacity



### Support Steel

- Modular stands anchored to floor
- Welded tubing construction
- Bolted track/stand connections
- Custom Designs Available

### Control System

- PLC Coordination of system features
- Variable frequency drive

### Carrier On Call

- Manual/automatic queuing of carriers at critical operation points
- System automatically holds carrier for operations requiring additional time when queue space is available
- Operator early releases carrier on short time operations



### Rotary Switch

- Allows carriers to move from one powered conveyor to another
- Available in 90 or 180 degree rotation
- Enables "Just In Time" production by utilizing alternate processes

