

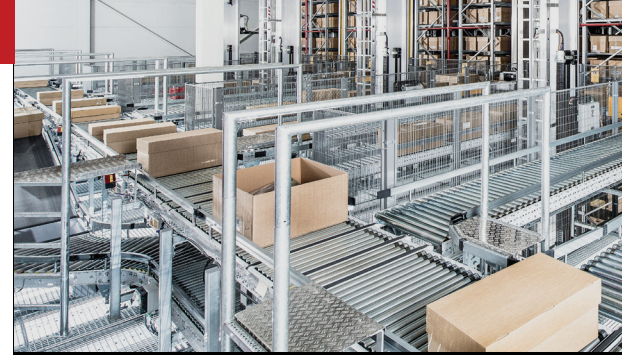


TPU BELTS

THERMOPLASTIC POLYURETHANE

CASE STUDY 2:

DISTRIBUTION CENTER LIVE ROLLER BELT (LRB) SOLUTION



INDUSTRY	Distribution Centers
FACILITY SIZE	2.5m sq ft
EQUIPMENT TYPE	BDLR (Belt Driven Live Roller) high-speed conveyor system

THE PROBLEM

Limited Belt Life: OEM belt needs to be replaced 3-4 times per year on average due to low cord density

Long Lead Time: Average lead time for LRB from OEM is 3-4 weeks and DC's normally stock 4x 500' rolls as a result

Price to End User: BDLR conveyor system manufacturer does not produce LRB, resulting in higher cost to the DC

THE SOLUTION

GATES TPU F160 LRB

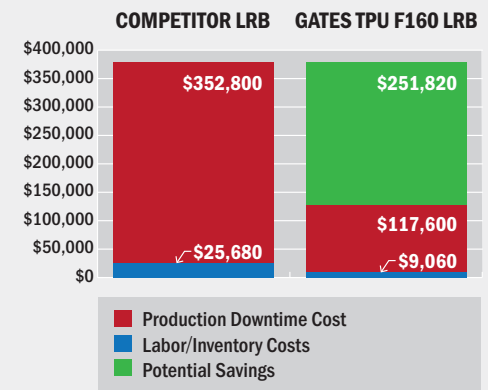
- **Longer Belt Life:** Higher cord density in the belt reduces PM belt replacement frequency to 1-2 times per year
- **Shorter Lead Time:** 1-2 day lead time from Gates TPU reduces DC inventory carrying costs
- **Sold through Distribution:** Gates TPU sells only through distribution, resulting in lower cost per foot to DC
- **Ease of Installation:** OEM welding parameters can be used to install Gates F160 LRB or splice with existing OEM belt
- **Reliability:** Gates TPU F160 LRB installed for 6 months has outperformed OEM LRB in reliability and reduced downtime

COST SAVINGS

Gates TPU F160 LRB provided over **\$250,000** of potential annual savings due to:

- **LESS PRODUCTION DOWNTIME**
- **LOWER LABOR EXPENSE FOR BELT REPLACEMENT**
- **REDUCED INVENTORY CARRYING COSTS**

HOW THE SAVINGS ADDS UP



FACTS

- BDLR conveyor systems in facility: 28
- Production downtime cost (line): \$1,400 / hr
- Belt replacement labor cost: \$270*

* Belt replacement requires ~3 maintenance personnel for 3 hours @ \$30/hour

To learn more or speak with a specialist about your requirements, contact us:

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