



# TPU BELTS

THERMOPLASTIC POLYURETHANE

## CASE STUDY 1:

# DISTRIBUTION CENTER LIVE ROLLER BELT (LRB) SOLUTION

INDUSTRY	Distribution Centers
FACILITY SIZE	1.5m 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 3x 500' rolls as a result

**High 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

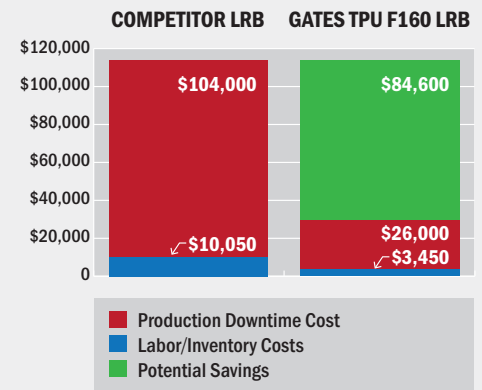


## COST SAVINGS

Gates TPU F160 LRB provided nearly **\$85,000** 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: 13
- Production downtime cost (line): \$1,000 / hr
- Belt replacement labor cost: \$150\*

\* Belt replacement requires ~3 maintenance personnel for 2 hours @ \$25/hour

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

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