

## 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	<p><b>Limited Belt Life:</b> OEM belt needs to be replaced 3-4 times per year on average due to low cord density</p> <p><b>Long Lead Time:</b> Average lead time for LRB from OEM is 3-4 weeks and DC's normally stock 3x 500' rolls as a result</p> <p><b>High Price to End User:</b> BDLR conveyor system manufacturer does not produce LRB, resulting in higher cost to the DC</p>

THE SOLUTION	<p><b>GATES TPU LRB-45</b></p> <ul style="list-style-type: none"> <li><b>Longer Belt Life:</b> Higher cord density in the belt reduces PM belt replacement frequency to 1-2 times per year</li> <li><b>Shorter Lead Time:</b> 1-2 day lead time from Gates TPU reduces DC inventory carrying costs</li> <li><b>Sold through Distribution:</b> Gates TPU sells only through distribution, resulting in lower cost per foot to DC</li> <li><b>Ease of Installation:</b> OEM welding parameters can be used to install Gates TPU LRB-45 or splice with existing OEM belt</li> <li><b>Reliability:</b> Gates TPU LRB-45 installed for 6 months has outperformed OEM LRB in reliability and reduced downtime</li> </ul>
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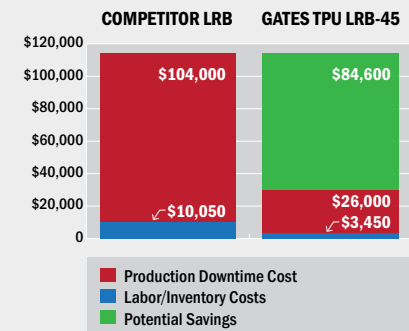


## COST SAVINGS

Gates TPU LRB-45 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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