

# TIMKEN® PANTHER® XT BELTS OVERCOME HEAT & HIGH MAINTENANCE COSTS FOR GLASS BOTTLE MANUFACTURER

## CHALLENGE ▼

A leading glass bottle manufacturer faced persistent belt failures in their conveyor system. The facility operates 48 conveyors, each using long arm and short arm assemblies to transfer bottles from molds. Due to the proximity to furnaces, belt housing temperatures regularly reached 220°F, especially in summer months. The competitor belts, rated for maximum heat resistance of 185°F, repeatedly delaminated and failed, averaging one failure per day totaling 93 failures in three months. Each failure resulted in costly downtime and frequent replacements, straining maintenance resources and budgets.

## TIMKEN BELTS SOLUTION ▼

To address these high-temperature failures, the end-user and their local belt distributor teamed up with Timken to try four Panther® XT belts. The Panther XT belts are engineered for heat resistance up to 248°F, significantly surpassing the competitor belt's threshold. After initial success, Timken Panther XT belts replaced all competitor belts throughout the facility.

## RESULTS THAT MATTER ▼

The transition to Timken Panther XT belts delivered substantial operational and financial benefits. After installation, the Timken belts continued to operate, even when other components required maintenance. Annual belt replacement frequency dropped from four to just one per conveyor, and the total number of belts used per year fell from 192 to 48. Belt costs decreased from \$18,432 to \$4,128, and downtime costs plummeted from \$175,104 to \$43,776. The customer realized estimated annual savings of \$145,632 and committed fully to Timken Panther XT belts, intending to ensure reliable performance and significant cost reduction.



LONGER BELT LIFE	EST. COST SAVINGS PER YEAR
4X	\$145,632

Timken® belts are part of The Timken Company's growing portfolio of engineering bearings and industrial motion products. Timken Belts manufactures premium-performance power transmission belts that help keep industry in motion and the world more productive.

Performance Driven. **Performance Proven.**

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