



CHAIN DRIVE CONVERSION REDUCES DOWNTIME AND MAINTENANCE COSTS AT DISTRIBUTION/SHIPPING FACILITY

DISTRIBUTION SUCCESS STORY

CHALLENGE

A large international distribution/shipping company was experiencing issues with the roller chain on their conveyor systems. The chain stretched unevenly, causing variations in length and speed of the conveyor. This caused boxes on the line to pile up. As a result, the entire line had to be shut down so the chain could be re-tensioned, causing excessive downtime and maintenance costs.

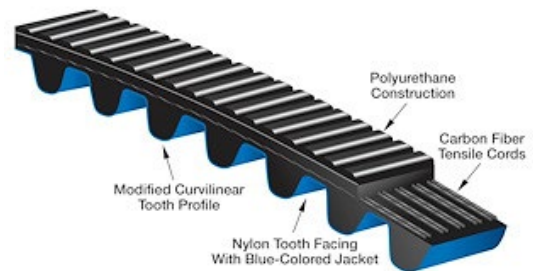
SOLUTION

Motion recommended converting all 79 roller chain drives at the single facility to Gates Poly Chain® GT® Carbon synchronous belts. The new drives eliminated stretching so speeds were consistent, which in turn eliminated downtime. The maintenance costs associated with the roller chain, such as lubrication and re-tensioning, were also eliminated.

RESULT

The customer is expected to save over \$121,000 in year one with the potential annualized savings of \$10,000,000+ in year nine by converting to the maintenance-free Poly Chain® GT® Carbon drive.

Gates Poly Chain® GT Carbon Synchronous Belts



- High-performance, durable polyurethane construction resists chemicals, oil, pollutants, and abrasion
- Designed to handle longer center distances at high load-carrying capacities
- Patented carbon fiber tensile cords for increased horsepower rating, compactness, and flexibility
- Fully operational in temperature extremes of -54°C to +85°C (-65°F to +185°F)