

PANTHER[®] XT SYNCHRONOUS BELT SOLVES SNACK-MAKER'S MAINTENANCE ISSUES

CHALLENGE ▼

Overhead chain-driven conveyors in a food processing plant called for regular lubrication and maintenance in a hard-to-access location. Lack of lubrication ultimately led to chain failures. The existing configuration of roller chain ranging in sizes 40 to 80 required a wide variety of inventoried parts for maintenance and repairs.

TIMKEN SOLUTION ▼

The continuously running conveyors powered by 3/4 to 2 HP drives were evaluated by Timken engineers. It was determined that just three sizes of the Panther[®] XT synchronous belts could replace all the current chain sizes, would eliminate the need for lubrication and would provide the positive engagement required to efficiently power the drives.

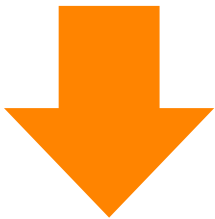
Initial installation was made easier by the use of the Frequency-Finder tool to set the initial tension, reducing the need for future maintenance and tensioning.

RESULTS THAT MATTER ▼

- Reduced maintenance
- Eliminated need for lubrication
- Reduced number of required parts in inventory
- Extended life of drive

Simplifying inventory requirements for replacement parts and minimizing maintenance saved the plant time and money. By replacing steel chain with advanced polymer belts, the wear on sprockets is reduced and drive life is extended. The high modulus carbon fiber cord in Panther XT belts minimizes stretch and elongation for increased durability and belt life, and reduced maintenance requirements.

MAINTENANCE



DRIVE LIFE



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