TIMKEN

TIMKEN SLICER SOLUTIONS PROVIDE SAVINGS BY THE SLICE

CHALLENGE

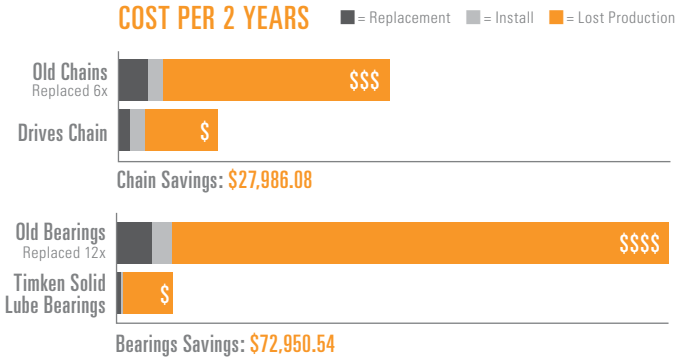
A produce processing plant was using low-tier ball bearing and chain in their onion slicer application. The bearings had to be replaced every 4–6 weeks because of the washdown and also caustic chemicals of onions, which stimulated premature failure of these bearings. The chain in the application was also failing about every 12 weeks, primarily at the attachment, due to the heavy corrosive environment of the onion slicer application. This was causing the company to shut down their equipment to replace the chain and all 12 bearings in each of their onion slicers, resulting in costly downtime and extra maintenance.

TIMKEN SOLUTION

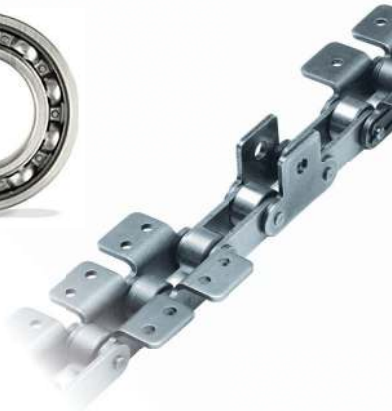
Our Timken engineering team educated the company on our food and beverage product line. After talking with our food and beverage specialist, the Timken team followed up with a solution to combat the corrosive and caustic environment. This solution helped solve their downtime problem. Timken offered Corrosion-Resistant Deep Groove Ball Bearings with Solid Lube on the slicer machine mechanical arm and Drives® Attachment Roller Chain to transport the onions into the slicer machine. After trying our Timken solution on one onion slicer with success, they have installed Timken solutions in all five onion slicers and plan to expand this to their fruit slicer machines.

RESULTS THAT MATTER

The dual Timken solution resulted in increased revenue, extended equipment life and reduced maintenance needs for this produce supplier.



TOTAL SAVINGS OVER 2 YEARS: $100,936.62



The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, belts, brakes, clutches, chain, couplings, gears and related mechanical power transmission products and services.

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