

PROBLEM & SOLUTION

- Industry:** Food & Beverage
- Applications:** Gut Bin Screw Conveyor & Hide Wash
- Result:** Doubled Gearbox Life and Eliminated Belts
- Products Used:** Bevel BuddyBox[®] 4



PROBLEM

This beef processing customer had challenges with **short gearbox life** in their Gut Bin Screw Conveyor Drive. This application desperately needed a gearbox that could handle **extreme immersion** day after day.

In addition, their Hide Wash application caused sliding and **breaking belts** due to the wet environment. The **salt bath** used to clean the hides was **corroding the units** and increasing the potential for **oil contamination**.

SOLUTION

Our Bevel BuddyBox[®] 4 gearboxes have a **NEMA frame input** for the **IP67** motor attachment. Our installed gearbox was **grease-filled** and **breatherless**, completely sealed with **mechanical output seals** and **dual-lip** input seals to **avoid internal contamination**.

In addition, our team recommended and added our **Shield360[®]** multi-layered epoxy to **protect** the BBB4 from **salt corrosion**. We also added an **IP66** Invertex Variable Frequency Drive to their package to assist with **speed changes**, if needed, depending on the product load.