

SBK 700 SERIES SPEED REDUCERS

EGG WASHING MACHINES



PROBLEM

A leading industrial washing equipment manufacturer needed reliable gearboxes that could withstand frequent washdowns for its egg washers. The reducer, paired with a stainless steel motor, drives a specialized conveyor that transports the eggs through the various stages of the machine, including pre-wash, sanitary wash, rinse and drying. The process cleans and disinfects the eggs, killing harmful bacteria and eliminating other contaminants.

SOLUTION

After reviewing various alternatives, the OEM selected the SBK 700 Series speed reducer from Boston Gear.

The Stainless Steel Bost-Kleen™ (SBK) coating was developed by Boston Gear to withstand both high-pressure and caustic washdowns, all without chipping, flaking or rusting. Prior to painting, 700 Series units are subjected to a multi-step wash cycle that provides maximum surface adhesion of the SBK coating which contains unique epoxies and curing agents.

The exclusive SBK coating meets ASTM specifications for impact-resistance. Independent laboratory tests have confirmed the Boston Gear Bost-Kleen washdown treatment system out-performs competitive coatings, including the Dodge® EZ-Kleen™ and Tigear II™.

The Boston Gear reducer, with proven 700 Series worm gear reliability, features a 40:1 reduction ratio, cast iron housing, hollow shaft, motor flange and double-lipped oil seals. Units are “Lubricated for Life” at the factory with H1-rated food grade Klubersynth UH1 6-460 lubricant.

HIGHLIGHTS

- Unique SBK coating developed for high- pressure, caustic washdown applications
- Bisphenol-F type epoxy provides a much higher level of corrosion resistance
- Durable finish reduces the possibility of cracking during handling and installation
- Economical alternative to stainless steel reducers
- State-of-the-art automated production process allows for faster delivery

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