Slewing Ring Bearings reduce failures at bottling company

Slewing bearing solution saves nearly $100,000 annually

In conventional bottle filling stations, bottles are usually cleaned, filled and sealed in a single process line. To enhance product hygiene and food safety, the environment needs to remain clean and is often wet due to the rigorous washdown schedule. A leading bottling company was experiencing frequent line down situations with a bottle-filling machine due to the slewing ring bearing failing.

The slewing ring bearing was corroding under the high-pressure washdowns. The maintenance and unplanned shutdowns due to the failure were time consuming and expensive, not to mention affecting productivity and profitability at the busy site.

The Kaydon engineers at SKF designed a custom slewing ring bearing featuring Kaydon's proprietary corrosion resistant Endurakote® plating along with a double lip external seal. This solution not only eliminated the detrimental corrosion, but also kept the bottling line running smoothly, resulting in improved uptime and reduced maintenance costs.

By using the custom-made slewing ring bearing, the bottling company saved approximately $100,000 a year and increased productivity as well.

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