

PBC Application News



PBC Bearings Uncork Bottling Machines

Setting the Scene

Anchor Glass Container Corp. needed a reliable bearing that would withstand a slight bit of cardboard dust in the air and some dirt and grease around the machine. The machine goes at 165 cycles per minute and the bearings travel at 330 feet per minute. The catastrophic failure of the machine caused considerable costly downtime.

The Challenge

The machine had been using Super 10 ball bushing by Thomson that were grooving the shafts and wearing out prematurely. PBC was faced with replacing these bearings with those that could withstand high vibration during the machine's many forms of movement.



The Solution

PBC went with the special Simplicity® bearing with the FRELON liner. Feathershaft® was also used for the bearings to run along. This solved the problem as the Simplicity bearings were not affected by the vibrations on the machine, and there was no grooving of the Feathershaft™. The self-lubrication inherent in the Simplicity bearings prevented downtime and in turn, saved Anchor Glass Container Corp. money.

Products Used

The products PBC implemented were the FL10 and the FLC10C Simplicity bearings. A 5/8 Feathershaft was used for the bearings to run on. These applications were met with huge success and worked out extremely well for the customer, "Going with the Simplicity™ Bearings solved a maintenance problem on our inspection lines that had been going on for years. They outperform the ball bushings and will save us from a great deal of costly downtime. The self-lubricating feature of the simplicity bearings also offer a great advantage for us."

simplicity
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