Food and Beverage Conveyor Belt

Interface Mini™

Industry: CPG

Summary

Customer Challenge

Conveyor belts for the food and beverage industry need to be maintained and have proper alignment for the products being transported. A load cell is needed to prevent misalignment and to reduce the risk of damage or malfunction of the belt while in operation.

Interface Solution

Interface suggests installing multiple PBLC Pillow Block Load Bearing Load Cells onto the conveyor belt. They are designed for easy maintenance. The PBLC's measure and monitor the force of the conveyor belt, while preventing misalignment.

Results

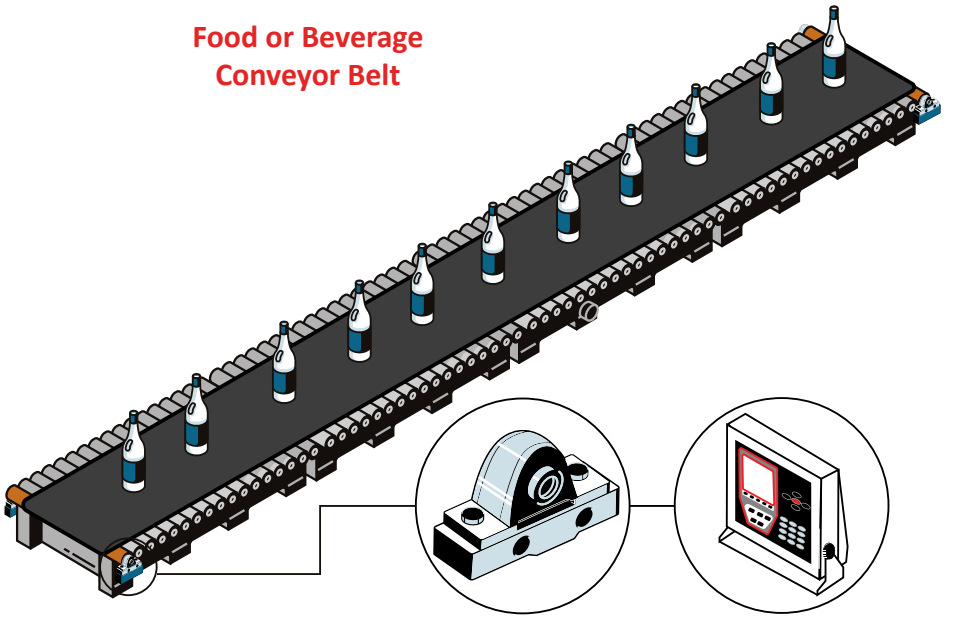
The PBLC Pillow Block Load Cells successfully maintained the proper alignment of the conveyor belt for the food and beverages being transported, while also monitoring the forces being implemented.

Materials

- Multiple PBLC Pillow Block Load Cells
- 920i Programmable Weight Indicator and Controller

How It Works

1. The PBLC Pillow Block Load Bearing Load Cells are installed at the wheels at each end of the conveyor belt.
2. When connected to the 920i Programmable Weight Indicator and Controller, the customer can see the weight for every pillow block or the total weight.
3. The PBLC Pillow Block Load Bearing Load Cells also maintain the proper alignment of the conveyor belts, reducing damage or malfunctions during operations. The 920i can communicate to the customer's control center via RS232 if an possible error is detected.



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7418 East Helm Drive, Scottsdale, AZ 85260 ▪ 480.948.5555 ▪ interfaceforce.com