

Commercial Food Processing Load Cell

Industry: Industrial Automation

Summary

Customer Need / Challenge

A food processing plant wants accurate results of their in-motion check weigher when food is weighed and processed down the belt. They want to ensure production line efficiency and food quality. The customer also wants real-time results of their food being weighed, and a load cell that can endure the food industry's grubby environment.

Interface Solution

Multiple of Interface's SPI High Capacity Platform Scale Load Cells can be installed in the customer's in-motion check weigher at the specific points where the food is weighed on the belt. The SPI High Capacity Platform Scale Load Cells delivers precise weighing results. When connected to the 920i Programmable Weight Indicator and Controller, will give the customer real time results of the weight of the food being processed. The 920i Programmable Weight Indicator and Controller can read up to four scale channels in real-time.

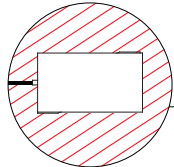
Results

The customer got precise weighing results in real-time of the food being processed on their in-motion check weigher. They were also able to view all of the load cells in use simultaneously with Interface's instrumentation.

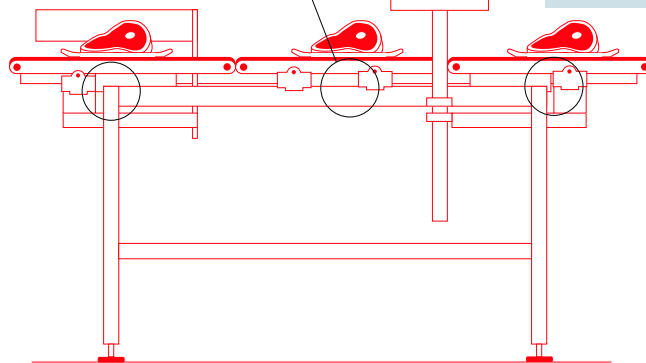
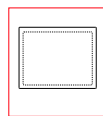
Materials

- SPI High Capacity Platform Scale Load Cells
- 920i Programmable Weight Indicator and Controller

SPI High Capacity Platform Scale Load Cells



920i Programmable Weight Indicator and Controller



Food In-Motion Check Weigher

How It Works

1. The SPI High Capacity Platform Scale Load Cells are installed under the weighing points of the customer's in-motion check weigher. As the food is transported across the belts, the SPI High Capacity Platform Scale Load Cells will measure its weight in real-time.
2. Force results are sent to the 920i Programmable Weight Indicator and Controller, where it can read all of the load cells simultaneously and in real-time.