

Client Solutions

IQF Portion Spreading System

Separation and Distribution of Block Frozen Portions



Product Distribution on Belt

Problem

Customer was processing blocks of frozen product and needed to separate the product into individual pieces and spread them out so that they could be breaded. Existing procedure involved physically breaking pieces off of the frozen block with a hammer and spreading the product out by hand on a conveyor belt. This was a tedious labor intensive process that was a bottle neck in the production process.

KLEENLine Solution

Developed a machine to tumble the product eliminating clumps and distribute the product evenly on the incline belt of the conveyor for further processing.

Features a pneumatic dump mechanism transfers tempered frozen blocks to the separation chamber. Separate adjustment for belt and tumbler speed with digital speed readout.

Result was reduce labor required in block breaking and increased production throughputs of 25% while ensuring process conformity and consistency.

Designs available for a wide range of products

