

SCREENING FINES FROM FREEZE-DRIED PET TREATS



Design Requirements

Product Type: Freeze-Dried Pet Treats

Capacity: 2,000 Pounds Per Hour

Duty: 24/7

Conveyor Pan Size: 13"W x 5"D x 5'-0" L

Customer Challenge

A major pet food company who produces premium dry kibble, wet food, freeze-dried foods, and freeze-dried treats for dogs and cats, reached out to Triple/S Dynamics looking for a solution to screen fines from pet treats prior to packaging. This customer had limited space for a new screener and the screener needed to accommodate the customer's existing box dumper.

Triple/S Solution

Triple/S Dynamics designed the feeder/screener with a stainless steel stationary infeed hopper to receive product from the box dumper and control the product depth for optimal screening efficiency. The screen insert is clamped in place to allow quick changeover to different screen sizes or a non-perforated insert when screening is not required. A stationary stainless steel chute is located underneath the screen for fines collection.

Prior to shipping the feeder/screener, our customer requested a Virtual Factory Acceptance Test, using 60 pounds of freeze-dried pet treats previously sent in by the customer. Objective of the VFAT was first, a video overview of the equipment, panel, electrical hookups, feed tray, and framework. Second, a video demonstrating the product being introduced to the hopper with timing to see throughput based on weight and time. Third, a video of the product being ran over fines collection to demonstrate the screening portion of the system.

Triple/S and the Customer

After the Virtual Factory Acceptance Test video was sent to the customer for review, they stated "All of the videos were very nice and the overall construction of the equipment looks great."