

# CONVEYING PET FOOD KIBBLE



## Design Requirements

**Product Type:** Pet Food Kibble

**Capacity:** 72,752 Pounds per hour

**Duty:** 24/7

**Conveyor Pan Size:** 60"W x 10" D x 33'-0"L

## Customer Challenge

A pet food manufacturing company contacted Triple/S Dynamics looking to replace an existing competitor's horizontal motion conveyor because it was not able to meet their volumetric capacity requirements. Due to the capacity limitations, they removed the horizontal motion conveyor from their line and replaced it with an existing belt conveyor they had to transfer coated kibble to a cooler but the belt conveyor was very difficult to clean.

## Triple/S Solution

Triple/S Dynamics Product Manager visited the pet food manufacturing plant to review their existing process and layout. After the plant visit, Triple/S Dynamics performed a customer witnessed lab test with forty five, 40 pound bags of kibble. Based on observation during the visit and results from the lab test, it was determined a Slipstick Horizontal Motion Conveyor would convey their coated kibble product without issues and meet the customer's current capacity requirements. Triple/S Dynamics designed a 60"W x 10" D x 33'-0"L Slipstick Conveyor with special features that included a floor supported pan cover system with lightweight anodized aluminum lift-off covers and aspiration ducts.

With the largest range of horizontal motion conveyor drives and conveyor pan sizes in the market, Triple/S Dynamics was able to accomplish the customer's capacity increase using a single Slipstick Horizontal Motion Conveyor where our competitors would have required two or more conveyors. Triple/S Dynamics was also able to custom design the Slipstick to fit existing space limitations that included an existing column, stairs, and a platform.

## Triple/S and the Customer

*Triple/S Dynamics Field Service Technicians were on-site during install and commissioning of the Slipstick Horizontal Motion Conveyor. Our customer stated "Your Field Service Technicians fit in well with the team and helped keep everyone calm during the storm. This kept our momentum positive and the teamwork was very successful. Overall your Field Service Technicians performance has been invaluable during this startup. Many thanks to your Field Service Technicians and TSD!"*

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