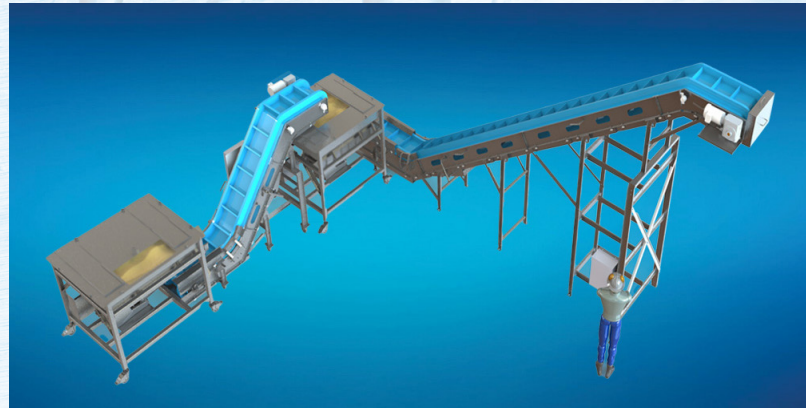


## A BLEND OF AUTOMATION AND INNOVATION LEADS TO CONTINUOUS PRODUCT FLOW FROM BLENDER TO MULTIHEAD WEIGHER

### INTRODUCTION

Dual Surge Hopper Metering Feeder System provides an innovative solution for automating the handling of product from blender to packaging line in a fast-paced production with major space limitations.



### THE CHALLENGE

A blender with a low discharge height was installed in a production area with no flexibility to reconfigure the space. This made it impossible to integrate a single hopper large enough to receive full batches of the semi-dry, granular product. With the vision of automating the blender to packaging process, a custom solution was needed that could fit within the available space while having the capacity to receive and process full batches of product.

### THE TRITON SOLUTION

To automate the process as well as overcome these barriers, an innovative Metering Feeder System was designed with an automated dual surge hopper arrangement to maximize the blender production while continuously feeding the packaging line multihead weigher. The initial surge hopper receives product from the blender while the integrated transfer system simultaneously moves it to the secondary hopper. Without interruption, the metering conveyors receive product from the secondary surge hopper and feed the multihead weigher automatically.

Triton's design supports continuous operation by keeping the blender running efficiently and maintaining a steady flow of product to the packaging area—all while optimizing the use of limited floor space. Portable, tool-free components and clean-in-place (CIP) systems make cleaning and maintenance easy, helping to maintain strict sanitation standards in a demanding production environment.

Our system successfully balances batch discharge timing, navigates tight space constraints, and automates the flow of product to packaging, delivering maximum productivity.