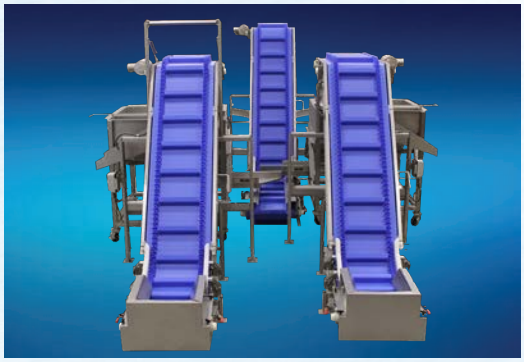
TRITON INNOVATION LLC

SOLUTION SPOTLIGHT

TRITON MERGES MULTIPLE PRODUCTION LINES WHILE KEEPING OVERCOOKED SNACK CHIPS OUT OF PACKAGING

THE CHALLENGE

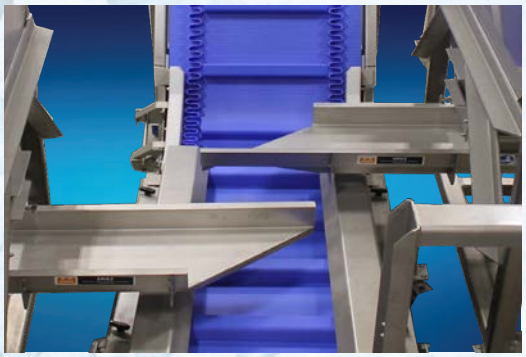
As a snack chip manufacturer embarked on adding several new production lines to their site, they struggled to find a way to transport chips from multiple floor-level cooking lines up to a single seasoning and packaging line within a confined space. Compounding this challenge was their need to efficiently remove overcooked chips before packaging.



THE TRITON SOLUTION

Triton Innovation, LLC designed a Metering Feeder System with in-process storage that streamlined continuous infeed, quality control, and effective flow management, enabling this snack chip maker to produce hundreds of pounds per hour.

At start-up, the customer's heated tumblers overcook chips until they reach operating temperatures, making it critical for the Triton team to come up with a space-efficient way to divert these from the stream. Triton first customized Z-Style Conveyors to receive snack chips from floor-level discharge points of heated tumblers. To ensure only perfectly cooked chips continue through production, the Z-Style Conveyors elevate chips to diverter gates, where operators simply rotate a lever to remove overcooked chips from the stream. The highest quality snack chips accumulate in Triton's Metering Hoppers, which provide in-process storage in the case of downstream interruptions and dispense controlled amounts onto Vibratory Feeders. The Feeders gently converge snack chips from multiple cooking lines onto a Z-Style Conveyor, which leads to a single seasoning and packaging line.



Triton's inventive, multi-tasking solution facilitated stringent throughput requirements within tight confines and provided quality control, making new production lines a reality. Triton's expertise and innovative problem-solving approach inspired immediate confidence, which led the snack chip maker to order multiple systems and continue collaboration with Triton on future projects.

CLICK HERE TO VIEW THE SOLUTION SPOTLIGHT VIDEO

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