

# SANITIZATION PACKAGING



## *Challenge:*

The Suter Company, a manufacturer of innovative food products such as salads, dips, spreads, lunch kits, and deviled eggs, needed a conveying system for their deviled egg processing line. The line needed to run efficiently, follow strict sanitation specifications, and allow employees to separate the hard-boiled egg yoke from the cooked halves. The conveyor also needed to be able to index the rate of production at which the line was moving. Finally, Suter needed another conveying system to feed empty cans from a staging area to the packaging line that would save space in the facility.

## *Solution:*

A Dorner 7400 AquaPruf plastic chain conveyor was developed at 16-inches wide and 28-feet long to handle the deviled egg production line. The conveyor allowed Suter employees easy access to the moving line to separate the yoke and cooked egg, enabling the process of opening the egg box, processing, and packaging to drop from 60 minutes per process, to only eight minutes, an 86% savings.

The new conveyor system also allowed Suter to set their own index rates to dictate production levels, and aided in the packaging that occurs every 10 seconds at the end of the line. The cleated conveyor and adjustable speed variance helped Suter to challenge the average production levels of the line per day, eventually causing greater employee efficiency.

To keep with the sanitation specifications, jets were positioned underneath the conveyor on the return side, spraying a water-and-cleaning agent mixture onto the belt. Because the 7400 is completely stainless steel and has no fasteners in the food zone, sanitation is easier. The belt allows for tool-less disassembly for further cleaning.

A second 7400 Series Dorner conveyor was installed to allow for empty cans to be moved from the staging area to the packaging line. This system is 6-inches wide and 93-feet long, wrapping around the facility through obstacles and moving above and below other facility hardware. This system saves space and time while increasing packing productivity.

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