

CONVEYING INFANT FORMULA POWDER



Design Requirements

Product Type: Infant Formula Powder

Capacity: 26,456 pounds per hour

Duty: 24/7

Conveyor Pan Sizes:

24"W x 8"D x 64'-4"L

24"W x 8"D x 28'-1"L

24"W x 8"D x 64'-0"L

Customer Challenge

Our customer, an infant and maternal nutrition products manufacturer, installed fourteen Slipstick Sanitary Horizontal Motion Conveyors in the 1990s to convey infant formula powders from silos to packing lines. Approximately twenty years later, this customer reached out to Triple/S Dynamics to expand their current system to increase capacity. This expansion would include two more silos. They wanted to add additional Slipsticks into their processing line and modify the in-service Slipstick Sanitary Horizontal Motion Conveyors purchased in the 1990s.

Triple/S Solution

Triple/S Dynamics Sales and Engineering team worked with our customer to modify eight of their existing Slipstick Sanitary Horizontal Motion Conveyors from the 1990s. The modifications consisted of adding or shortening pan lengths while reusing most of the original drives from the 1990s. The modified pans were retrofitted with updated pivot gates with BFM inlet and outlet spouts, for improved sanitation, designed to 3A dairy standards. Dust-tight, removable, clear polycarbonate pan covers with release clamps were added to each of the modified Slipstick Conveyors. Also included in the expansion were three additional Slipstick Sanitary Horizontal Motion Conveyors. First conveyor measuring 24" W x 8" D x 64' -4"L,



second conveyor, 24"W x 8"D x 28'-1"L, and the third conveyor at 24"W x 8"D x 64'-0"L. Adding new conveyors and modifying their existing conveyors gave them the ability to increase capacity with the addition of the two new silos. Pictured on the left, is a Slipstick Sanitary Horizontal Motion Conveyor they purchased in the 1990s and modified to extend the pan length. This conveyor going through the wall, is fed from the conveyors under the silos.

Triple/S and the Customer

This long time customer purchased fourteen Slipstick Sanitary Horizontal Motion Conveyors in the 1990s. With the modifications and additional Slipsticks purchased twenty years later, this customer has a total of seventeen conveyors. With the ability to modify existing Slipstick Horizontal Motion Conveyors, our customer was able to contain cost versus purchasing new conveyors.

sales@sssdynamics.com/1-800-527-2116/www.sssdynamics.com

