Conveying Pretzels without Product Breakage

Customer Challenge

First Rate Industries is a family-owned, full service millwright company specializing in the feed, grain, and pet food facilities as well as having a proven record of excellence in complete turnkey operations. First Rate Industries had an application to move finished pretzels from processing to packaging at a large snack manufacturing facility. Triple/S Dynamics was to provide a proposal to compare with two other companies that could not provide equipment to do the longest length. Convey finished pretzels from processing to packaging.

Replaced existing belt conveyors with Slipstick horizontal motion conveyors (HMC) to reduce product breakage, salt loss and tailings on the floor.

Triple/S Solution

Achieved required conveying layout of 295 ft using (5) Slipsticks ranging in length from 35 ft to 100 ft. Other HMC manufacturer quoted 13 conveyors. Provided turnkey system including equipment layout, support structure and variable speed control panel.

The Slipstick offers the following benefits:

■ No product breakage, dust generation or segregation

■ Simple one-piece seamless conveyor pan for ease of cleaning

■ Long conveyor pan lengths to minimize the number of drives required

■ Long life, low maintenance drive assembly provides low cost of ownership over the life of the conveyor

Designed support structure to suspend 4 parallel conveyor runs above 20 ft wide bay to keep area below the conveyors open for forklift traffic and storage. Removable covers clamped to pan for ease of access.

Triple/S and the Customeer

This snack maker has been installing Slipsticks in their processing facilities for over 35 years, with fifty-four units being over fifty feet long and fourteen of those over one hundred feet long. All with just one drive unit