

# Compact by Design

## Conveyor Gates

High Production for Food and Packaging Environment

### Application Challenge

A manufacturer of conveyor systems needed a pneumatic rotary device that could open and close their conveyor metal detection gates quickly for scrap product removal, as well as withstand high-pressure wash-down conditions.

### Project Solution

Compact provided the Turn-Act brand OEM series of rotary actuators with an extended shaft, a special Nituff coating along with a shaft bearing/seal. The Turn-Act unit effectively replaced 4 clevis style cylinders, valves and air lines that were currently being used within the current system.

### Customer Benefit

The rotary actuators that were implemented dramatically improved the service life of the conveyor by millions of cycles vs. thousands compared to linear cylinders previously being utilized. The use of the Turn-Act rotary actuators increased the gate speed vs. the previous clevis mounted cylinder design on the conveyor system giving the customer a significant cost savings.

