

APPLICATION SOLUTION: Cheese - Volumetric Filling



Product Family: Electric
Product Used: ERD25 Rod-Style Electric Actuator
Product Type: Standard

Application Requirements
Force required: 800 lbf.
Stroke: 11 in.
Cycle time: 2 sec.

Application Description:

For their high quality bench top filling equipment this manufacturer wanted a hygienic, accurate actuator to insure an easy-to-use customer solution.

Challenge:

A manufacturer of filling lines, cup machines and conveyors for the food industry wanted to replace pneumatic cylinders with a hygienic electric actuator.

Tolomatic Solution:

ERD25 rod-style electric actuators were used with the ball screw/nut combination and IP69K option. The electric actuator was able to achieve greater filling accuracy and the use of the ball nut enabled faster speeds than the previous pneumatic system could provide. The elimination of pneumatics created a more energy efficient system with fewer components.

Customer Benefit:

- Greater filling accuracy
- Faster cycle time than previous pneumatic system
- USDA approved hygienic design actuator with IP69K rating
- More energy efficient than previous pneumatic system
- Cost-effective solution with fast delivery