

APPLICATION SOLUTION: Powder Filling



Product Family: Electric

Product Used: JVL integrated motor and
RSA Electric Rod-Style Actuator

Product Type: Standard

Application Description:

Filling a variety of container sizes.

Challenge:

A leading manufacturer of automated powder filling packaging equipment had previously used pneumatic actuators to fill containers with various products. However when containers were changed, the changeover was a long process because the pneumatic actuators needed to be adjusted every time. The process needed to be precise and consistent to ensure accurate filling amounts.

Tolomatic Solution:

An JVL Servo Motor with Integrated Drive combined with the RSA electric rod-style actuator offered the manufacturer a complete motion solution. Through simple configuration of the JVL servo motor/ drive/controller the actuator was able to perform the critical container lifting maneuver required to perform uniform fills in the application. This eliminated the time-consuming, trial-and-error adjustment method required for change-overs with the pneumatic actuator. The flexibility of the actuator also provided additional functionality for the machine.

Customer Benefit:

- Consistent, precise lifting control for uniform filling
- Improved speed and efficiency of container size change-over
- Increased productivity with reduced set-up time
- Provided added machine flexibility to meet varied customer demands