

APPLICATION SOLUTION: Case Positioning



Product Family: Electric
Product Used: JVL Servo Motor and ERD actuator
Product Type: Standard

Application Requirements:
Stroke: 500mm (19.68 in)
Speed: 150mm peak (5.90 in/sec)
Load: 18 kg (39.68 lbs)
Moments: 66N in Fx (14.83 lbs)
Motion Profile: 400mm (15.75 in) in 3s

Application Description:

Case positioning of empty bottles for preparation of filling process

Challenge:

A manufacturer of robotic packaging solutions needed an automated solution for positioning cartons of empty bottles on a conveyor prior to filling. The solution needed to accommodate over 18,000 different carton variations. They were looking for quick delivery with less than a week to size, order, train and install the actuator solution. Panel space for controls was already dedicated and they were looking for a device that would accept an analog signal and position without adding multiple controls and hardware.

Tolomatic Solution:

A JVL Servo Motor with Integrated Drive and Tolomatic ERD actuator were selected because they offer a complete actuation solution in a compact package, allowing the customer to save valuable space in controls panel. The JVL Servo motor with its digital I/O and analog input, allowed for easy integration into the control system.

Customer Benefit:

- Eliminated need for additional panel space
- Flexibility to any case size
- Complete all-in-one actuator solution