

APPLICATION SOLUTION: Animatronics



Product Family: Electric

Product Used: JVL Integrated Servo Motor
and ERD Actuator

Product Type: Standard

Application Requirements:

Stroke: 3 inches

Speed: 6 - 8 in/sec

Load: 25 lbs

Application Description:

Digital camera positioning for a popular attraction.

Challenge:

An amusement park attraction required the positioning of a large and heavy camera in a very tight space. Separate controls cabinets were undesirable and minimal use of cabling and motion control drive components were required to increase a pleasant attraction experience. Maintenance free operation was a must.

Tolomatic Solution:

The JVL Servo Motor with Integrated drive combined with the ERD actuator provides a complete motion solution (actuator + motor + drive) The Tolomatic solution was chosen for its compact size, maintenance free ball screw design, and ease of system integration. Simple set-up and configuration software made implementation easy and closed loop positioning enabled proper positioning of the camera every time with minimal electric components..

Customer Benefit:

- All-in-one actuation solution that eliminated sourcing additional electric components
- Easy, clean actuator installation with minimal maintenance
- Enhanced attraction aesthetics by eliminating separate control enclosures