

APPLICATION SOLUTION: Automated Bathtub Door



Product Family: Electric
Product Used: Belt drive actuator
Product Type: Custom

Application Requirements

Stroke: 23 in.
Speed: 4-6 in/sec
Load: 25 lbs

Application Description:

Automatic doors for bathtubs used in assisted living communities, hospitals and clinics

Challenge:

A pneumatic cylinder was being used to move the tub doors on a walk-in tub enclosure but a noisy air compressor made the bathing experience undesirable. The customer was looking for an electric system that would provide smooth operation, little noise, no maintenance and reliable performance.

Tolomatic Solution:

Tolomatic worked with the customer's engineering team to develop and provide a custom belt drive actuator that met the size envelope of the bathtub enclosure, speed, load and reliability requirements.

Customer Benefit:

- Eliminated noisy air compressor creating a pleasant bathing environment
- Eliminated pneumatic service issues and repair costs
- Doubled the expected life and number of cycles from the installed system