

**APPLICATION SOLUTION: Automated Door**



**Product Family:** Electric  
**Product Used:** MXB-U Rodless Actuator  
**Product Type:** Standard - Modified

**Application Requirements**

**Stroke:** 42 in.

**Speed:**

**Load:**

**Application Description:**

Reliably open and close the door of a non-monitored machining center at designated times and speeds.

**Challenge:**

Automation of door movement was required to improve the ergonomics of the machine for their customers. There is very little space for the actuator and torque requirements. The linear motion solution needed to provide smooth, straight motion with an attractive, clean mounting capability. A second encoder was required to verify positioning.

**Tolomatic Solution:**

An MXB-U electric rodless actuator was recommended because the load was already guided creating an economical choice. The actuator was fitted with custom mounting hardware allowing it to fit cleanly into the machine. To accommodate a second encoder the MXB-U was modified to have an extra drive shaft on the opposite end with the same direct drive on the right configuration.

**Customer Benefit:**

- Allows for a non-monitored machining center
- Smooth, reliable automation of CNC machine doors
- Increased throughput met distribution demands