

**APPLICATION SOLUTION: Pork Processing Plant**



**Product Family:** Electric  
**Product Used:** ERD25 Rod-Style Actuator  
**Product Type:** Standard

**Application Requirements:**

**Stroke:** 18 inches  
**Speed:** 20 in/sec  
**Force:** 500 lbf

**Application Description:**

Automatically adjust the height of the trimming station for each animal.

**Challenge:**

A large food company had a trimming station that needed quick, precise control of the positioning of the knife blade for each animal. The current solution utilized a pneumatic cylinder which was difficult to position accurately as the application requires infinite positioning. Additionally, the pneumatic cylinder needed frequent service or replacement due to the heavy duty use.

**Tolomatic Solution:**

An ERD25 all stainless steel electric cylinder with IP69k rating was chosen for this application to withstand the frequent daily caustic wash down requirements. The actuator is round bodied with smooth finish and edges for easy cleaning and to prevent contamination risk. Additionally, the customer specified an Allen Bradley white paint motor. Tolomatic provided the correct motor mounting interface and hardware from its "Your Motor Here" program.

**Customer Benefit:**

- Quick, accurate position increased throughput
- Increased uptime with correctly sized electromechanical actuator that significantly outlasts pneumatic cylinder life
- Saved compressed air costs with efficient electric solution
- Hygienic actuator solution which reduces risk of bacteria contamination