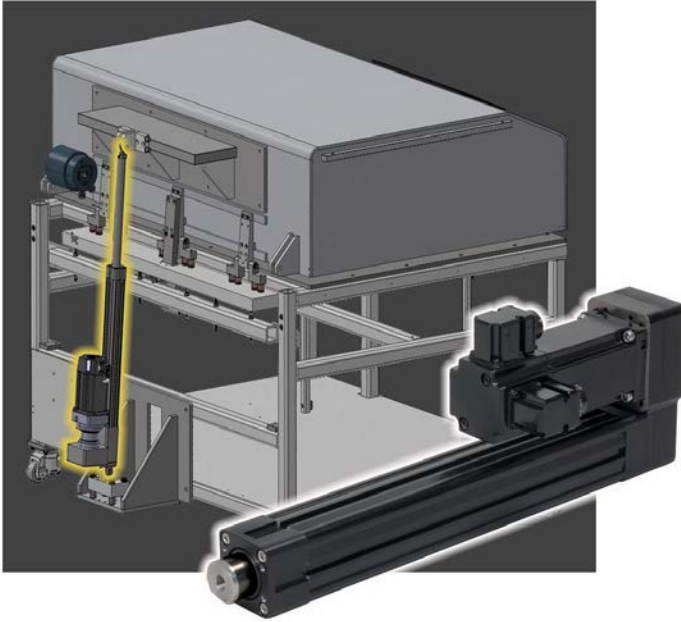


APPLICATION SOLUTION: Plastics Thermoforming



Product Family: Rod-Style Screw-Drive Actuator

Product Used: RSA Rod-Style
Screw Drive Electric Actuator

Product Type: Modified Standard

Application Requirements

Stroke: 14 in (356 mm)

Speed: 4 in/sec (102 in/sec)

Thrust: 1200 lbf (5.3 kN)

Application Description

Open and close door on a clam shell vacuum sealer used for plastics thermoforming.

Challenge

The competitor's actuator failed during testing on the prototype vacuum sealer. This put the release and production of their next-generation thermoformer in jeopardy.

Tolomatic Solution

Tolomatic's sales team took quick action. Using our online sizing software it was determined that a RSA24 rod screw actuator with a roller screw would supply the needed force and exceed the life requirements for the application. The roller screw also allowed the customer to move down one frame size for the motor. The RSA was modified to accommodate a gearbox, yet was still delivered in time to test on the prototype and ultimately get into production by the customer's deadline.

Customer Benefit

- Fast response by Tolomatic kept the project on track
- Tolomatic's online sizing software provided quick, accurate results
- YMH (Your Motor Here) program accommodated gearbox and customer-choice motor
- Cost savings by using a smaller frame motor