

**APPLICATION SOLUTION: Volumetric Filling**



**Product Family:** Electric  
**Product Used:** RSH22 Hygienic Actuator, with food grade grease  
**Product Type:** Standard

**Application Requirements:**  
**Stroke:** 200 mm (8 in)  
**Speed:** 500 mm/sec (20 in/sec)  
**Force:** 956 N (215 lbf)

**Application Description:**  
 Volumetric filling for Food and Beverage

**Challenge:**  
 The customer required a fully hygienic actuator to fit into the restricted space for the design. The required high speed, force and cycle rate resulted in a very aggressive motion profile.

**Tolomatic Solution:**  
 The hygienic design of the RSH22 actuator, under development at the time, was a natural choice for this volumetric filling application. Using food grade grease gave additional hygienic protection. Partnering as a beta tester the manufacturer was impressed by the speed of production and the ability to seamlessly mount their preferred motor. The reverse parallel motor mount helped to fit the actuator into the space required.

- Customer Benefit:**
- RSH22 is a robust, hygienic actuator that handled the demanding motion profile within the space envelope
  - Manufactured with Endurance Technology the RSH22, with high DLR ball nut, provides years of service even with the high cycle rate of the application