

Compact by Design

Medical Equipment Industry

Reducing Costs by Automating Testing Procedures

Application Challenge

A customer in the medical industry wanted to improve their countertop blood analysis machine. Targeted improvements included reducing the number of manual procedures, reducing the size of the blood sample, increasing throughput and minimizing machine size. The customer was unable to achieve these goals with a commercially available actuator.

Project Solution

Compact designed a fully custom rotary actuator for the customer. Our vane-style rotary actuators have the best power-to-size ratio available. This 90° rotary actuator has an integral flange mount, a customized shaft and special switch system. These units are also designed with a pre-set adjustable stroke control to precisely control the movement of vials and blood sample slides within the machine.

Customer Benefit

This custom solution helped the customer achieve all of their objectives, the new blood analysis machine had improved efficiency and significantly smaller size over previous solutions.

Insights

- We have a track record of success in the medical equipment industry.
- Our appeal to this market, they prioritize quality over cost.
- Our product size offerings are a key selling feature for equipment typically used in labs and offices.
- These customers often require customization which is our specialty.

