

# Compact by Design

## Blood Analysis Machine

Reducing Costs and Manual Testing Procedures

### Application Challenge

The customer wanted to improve their counter top blood analysis machine. They wanted to reduce manual test procedures, blood sample size and costly repeat testing while maximizing testing throughput and minimizing the laboratory footprint.

### Project Solution

A custom rotary actuator was provided. Compact designed a 90° rotary actuator, unitary head and flange mount, customized shaft, optional switch system and connectors. Also included was a pre-set adjustable stroke control which precisely controls the movement of vials and blood sample slides within the machine.

### Customer Benefit

The solution provides 100% repeatability, meets the size requirements, and specified target costs were all achieved.

