

OEM Pump Manufacturing



Products Used

- FANUC M16iT top loader robot
- Servo-driven door operators
- Robotic 2D vision system
- Automatic end-effector changer
- Dual zone operator guarding

Challenge

This OEM pump manufacturer needed to improve a manufacturing process, lower costs, and improve part quality.

Several different part families and part materials. Small lot sizes and low changeover time were required.

Solution

We provided a complete production solution to this customer, which replaced more than fifty traditional machine tools, that were combined into seven different production cells. This reduced floor space requirements, part cycle time, work in process, and improved part quality. Changeover of the automation is done by selecting a different part number from the cell control's HMI touch panel. One half of this cell can be in automatic operation while the other half is being changed over to a different part.