



OEM Pump Manufacturing



Productivity Inc[®]



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 change-over time were required.

Product(s) Used:

- FANUC M16iT Top-loader robot
- Nakamura-Tome STW-40 CNC lathes
- Servo-driven Door Operators
- Robotic 2D Vision System
- Automatic end-effector changer
- Dual zone operator guarding

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.

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