



RoboFlex® Flexible Handling System



Productivity Inc®



Challenge:

A medical parts manufacturer in the Minneapolis area was running a machining process in a challenging material.

The surface finish requirement and part tolerance were difficult; the machine operator was very busy with part handling, checking, cleaning, inspection, etc.

Product(s) Used:

- RoboFlex® Automatic Pallet Switching Parts Loader
- FANUC LR Mate 200iB Six-axis Robot
- Existing 2-axis CNC Turning Center
- Servo-driven Door Operator

Solution:

We added a RoboFlex automatic part loader to this cell to automate the part handling and machine load/unload function, and a servo-controlled door operator for high speed door operation. The production rate went from 100 parts per 8 hour shift to 150 parts per 8 hour shift, a 50% increase! While this gain is not always possible, it has been common to see a 25-30% increase in part output for machines that have had a RoboFlex automatic pallet switcher installed on them.