

Random Part/Pallet Processing



Products Used

- FANUC R-2000iB
6-axis robot
- Haas UMC-750 5-axis
VMC
- 3 pallet work stations
- RFID embedded pallets

Challenge

Contract manufacturer received an order to machine heavy cast iron parts in single part lots.

They wanted a short cycle time with no manual change over required.

Solution

The system that we provided allows flexible operation and the ability to easily add new parts to this system.

The part pallets/fixtures have unique RFID tags embedded into them, allowing the VMC CNC control to automatically change part programs when robot passes the pallet by the RFID scanner. This allows the system to run a large number of parts with little or no changeover.