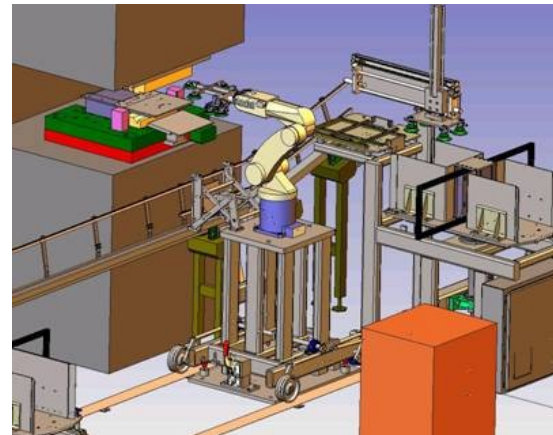
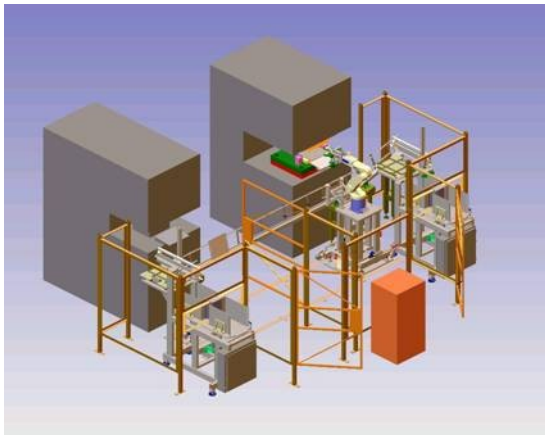


## CASE STUDY - Press Loading/Unloading Application

**Industry:** Consumer Goods  
**Robot:** Nachi Presto VS05 AXC  
**Company:** TEC Automation - Canton, Georgia  
[www.tec-automation.com](http://www.tec-automation.com)

### Application Summary

- Press loading/unloading application utilizing auxiliary automation and special tooling for a Nachi Presto VS05 robot
- Nachi Presto VS05 robot performs three tasks:
  - Removes finished part from the press
  - Removes part from op1 and place into op2 position
  - Place blank in op1 position
- The system was designed to service two presses with the same tooling
- A manual robot carriage on rails was designed to locate the Nachi Presto VS05 for either press operation
- Each press system includes a specialized pneumatic pick-and-place system with squaring for blank orientation and singularity prior to the Nachi Presto VS05 robot pick
- TEC Automation utilized the Nachi control to incorporate manual functionality with PLC logic for this system
- 6-second cycle rate for all three operations



### **Application Highlights**

- TEC Automation utilized the Nachi onboard configurable display to add value and reduce project costs for the customer
- TEC Automation sold the customer on Nachi, based on a streamline approach to the control
- A combined PLC and configurable display enabled the elimination of an auxiliary PLC and operator interface
- Three systems were purchased at one time with each going to different locations throughout the continental U.S.