

CASE STUDY - Material Handling Application

Industry: Consumer Goods
Robot: Nachi Presto SC15F AX
Company: Systems South, Inc. - Fountain Inn, South Carolina
www.systemssouth.com

Application Summary

- Glass de-racking and loading of assembly system for various size products that are run in batches
- Glass is presented in a rack standing on edge for the Nachi Presto SC15F AX robot to load into the automated drilling station
- The racks have glass and divider sheets alternately placed throughout the rack



Application Highlights

- The Nachi Presto SC15F robot picks up the divider sheet and places it in the discard shuffle that allows them to be collected outside the robot cell for re-use
- The Nachi Presto SC15F robot then picks a piece of glass out of the rack and initiates a search routine under a structure with mounted sensors
- The search routine has the Nachi Presto SC15F robot move in the “X” and then the “Y” to find the edges of the part to determine size
- Once the part size to determined by the search routine, the Nachi Presto SC15F robot can calculate the center of the glass and then center it on the load station for the assembly process