

CASE STUDY - Material Handling/Assembly Application

Industry: Consumer Goods
Robot: Nachi Presto SH166T AX
Company: TEC Automation - Canton, Georgia
www.tec-automation.com

Application Summary

- Assembly cell for fiberglass insulated HVAC unit walls that wrap around the outside of air conditioners
- Sheet metal arrives from presses via inline rough top belt conveyor, runs under the automatic hot melt dispense nozzles and receives glue - presses set time for the cell
- The Nachi Presto SH166T robot selects a piece of insulation from one of the several magazines
- The Nachi Presto SH166T robot grips one piece of insulation and moves it to the re-grip stand where it is placed, squared, and then re-gripped
- The Nachi Presto SH166T robot moves to the conveyor and places the insulation on the



Application Highlights

- The Nachi Presto SH166T robot features two external axes that allows the robot to adapt to the various sizes of parts and also perform a “tuck” process during the final installation insertion
- 99% uptime
- Provides labor reduction and consistent throughput