

CUSTOM
TEST
EQUIPMENT

DOORS

CONSOLES

SEATS

INSTRUMENT
PANELS

HEADLINERS

UNIQUE
APPLICATIONS

Door Window Test Case Study

Challenge

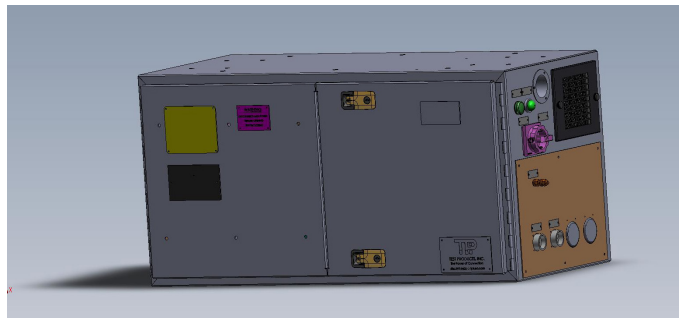
The customer needed to perform a full function test for each door window for their current program. The test was to occur on assembly line, without the doors being installed in the vehicle. Because the doors were not yet installed, there was no power available for this functionality test.

Solution

The test required the door window to run to the closed position and all the way back down to the open position. Next, the window needed to index back to a certain height, allowing the transfer machine to grab the door and transfer it from the final station of the door assembly line to the vehicle assembly line.

Results

TPI assisted the customer in meeting the requirements of this project by providing Eight Smart Hot Drops for their door program lines. This system resulted in strategic improvements to their production process by allowing the test to occur on the door line versus the assembly line. Our solution saved the customer valuable production time and allowed for significant manufacturing cost savings for the plant.



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