

CUSTOM
TEST
EQUIPMENT

DOORS

CONSOLES

SEATS

INSTRUMENT
PANELS

HEADLINERS

UNIQUE
APPLICATIONS

Co-Bot ECM Flash Station Case Study

Challenge

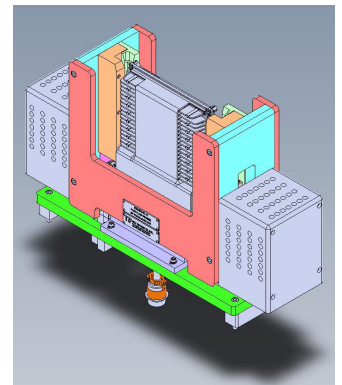
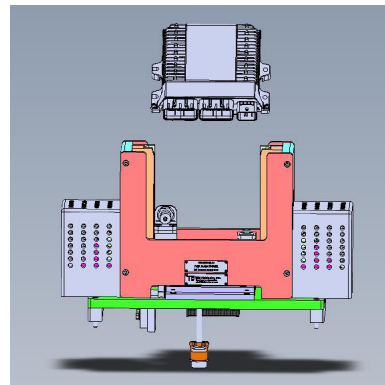
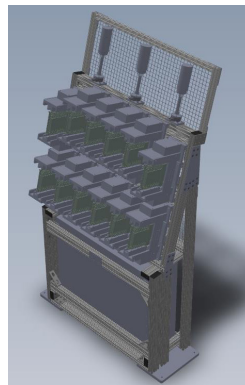
A Tier 1 and OEM was seeking assistance in developing a process to flash Engine Controller Modules with software to identify each engine module to each Vehicle Identification Number for two truck lines. Flashing software to these modules is imperative so that each module matches the correct vehicle and engine combination. This process helps ensure proper calibration so that the vehicle's engine system functions as intended.

Solution

Both organizations chose to work with Test Products, Inc to provide a solution capable of delivering the software flashing operation system. Additionally, TPI's solution also allowed the OEM to have the system work with a Co-Bot picking machine, eliminating the need for additional manual operation. TPI's end-product for the Tier 1 and OEM was a Co-Bot ECM Flashing Station. This project included designing and building a housing stand, fixtures capable of housing modules to be flashed, and the electrical means for a precise connection such as harnesses, junction boxes, etc.

Results

This Co-Bot ECM Station provided the OEM with increased manufacturing productivity, enhanced plant and employee safety, and assisted them in lowering overall manufacturing labor costs.



41255 Technology Park Drive
Sterling Heights, Michigan USA 48314
(586) 997-9600 • tpiusa.com

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