

Shamrock Engineering, Inc.



***Automated Assembly
and Test Systems***

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Dual Screwdriver Workstation

This workstation automatically feeds and drives four screws to attach the cover to an automotive brake control module. The station scans bar codes for tool number and product serial number. A computer tracking system checks prior step completion before allowing screws to be driven. The system archives torque and angle values for each serial number.

Screwdrivers and part nests are on servo-controlled slides for automatic operation and automatic setup for different models.

The operator alternates unloading and loading modules and covers from one side of the station while the other side is in process, resulting in a TAKT time of 24 seconds. Interchangeable tooling allows multiple models of module.

