

Serving the On-Highway Industry

The dynamic state of global emissions regulations has driven on-highway OEM's to seek flexible, cost-effective technologies to meet ever-changing regulatory demands. At the same time, fleet operators seek technology that improves fuel efficiency and ensures safe and easy operation in a complex environment. New vehicle controls are expected to simplify operation, automate daily tasks and reduce human error, playing a vital role in transportation's economic success.

As a world leader in electronic throttle controls and transmission shifters, Curtiss-Wright has proudly served the on-highway industry since 1937. This extensive experience allows us to successfully collaborate with our customers, bringing world class products to market on time and on budget.

As the industry embraces new and exciting technologies, Curtiss-Wright intends to maintain a leadership position developing products that enhance safety, reliability and performance. Our engineers have extensive experience in developing custom HMI solutions by collaborating with your design teams to develop the most cost-effective and reliable equipment.

Product Families

Electronic Throttle Controls

- Floor-Mounted Pedals
- Suspended Pedals
- Rocker Pedals
- Hand Controls



Electronic Transmission Shifters

- Push Button
- Lever
- Column-Mounted
- Shift-By-Wire



Mechanical Transmission Shifters

- Cable-Operated
- Single or Dual Lever



Position Sensors

- Linear and In-Cylinder Sensors
- Rotary Hall-Effect Sensors
- Tilt Sensors



Joystick Controls

- Fingertip Joysticks and Rockers
- Mid-Sized Joysticks
- Rugged Joysticks and Handgrips
- Single- and Dual-Axis Hydraulic Levers
- Hand Controls



HMIC

The Curtiss-Wright global team has extensive knowledge, expertise and experience to integrate systems consisting of user interface controls, system controller, displays, actuators and other systems to economically improve vehicle performance, efficiency, safety and functionality.



CW System Elements Include:

- HMIC Control Algorithms Unique to Vehicle and Application
- HMIC Controller Hardware
- Operator Controls Unique to Vehicle and Application that can be used with CW and Competitor Components

The Benefits Include:

- Improve Operator / Vehicle Safety, Efficiency and Functionality to Meet Increasing Market Requirements
- Reduce Cost / Complexity or Add Value to Distributed Vehicle Architecture and Discrete Components
- Enhance Diagnostic and Troubleshooting Feedback

Power Management Products

- Traction Inverters Product Line
 - Up to 800VDC Input Voltage
 - Single and Dual Inverters
 - Peak Power 80KVA to 530KVA
 - Modular PCB Construction
- Power Distribution Modules
 - 12/24VDC Systems on Highway Vehicles
 - 360VDC Power Systems for Hybrid Vehicles
 - 700VDC High Energy Vehicle Junction Box for Hybrid Vehicles



