

Automotive OEM Partner

CUSTOM ELECTRONIC CONTROLS & MECHANICAL SOLUTIONS > AFTER SALES & SERVICE PARTS



PACKAGED ELECTRO-
MECHANICAL SOLUTIONS



WIRE HARNESSES &
CABLE ASSEMBLIES



JUMPER/ADAPTER
HARNESSES



CUSTOM
MOLDED PARTS



ASSEMBLY /
KITTING

ISO 9001 | TS 16949
Tier 1 & Tier 2 Supplier



STERLING
TECHNOLOGIES, INC.

www.sterlingtech.org

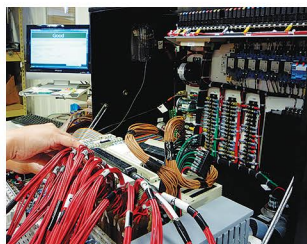


Innovation & quality recognized by major industry leaders.

Sterling Technologies designs, manufactures and packages high quality electro-mechanical system solutions including wire harnesses & cable assemblies, jumper/adaptor harnesses, custom molded parts, assembly/kitting services, and more.

We're a trusted partner that brings innovation to your solution and strives to always exceed customer expectations while meeting important industry standards for cost, reliability, performance, and on-time delivery.

For over 35 years, our reputation for high quality, creativity, and technical expertise has been recognized throughout the Automotive, Construction, and Heavy Equipment Industries by top manufacturers such as **General Motors, Ford Motor Company, Visteon, Caterpillar, Gradall, and JLG/Oshkosh.**



**100% TESTING
ENSURES HIGH
RELIABILITY
FOR ALL
STI PRODUCTS.**

Key Capabilities

PROJECT MANAGEMENT
ENGINEERING DESIGN/VALIDATION
CUSTOM MANUFACTURING/TESTING
BUILD TO CUSTOMER PRINT
RAPID PROTOTYPING & SERVICE
LOW TO HIGH VOLUME PRODUCTION
LEAN LAUNCH PROGRAMS
PCB DEVELOPMENT (HW/SW)
J1939, CAN BUS, AND COMMUNICATIONS
CAD/CAM DESIGN SUPPORT

Automotive After Sales & Service Parts Solutions

WARRANTY/GOODWILL PROGRAMS
VEHICLE RECALL PROGRAMS
PRODUCTION VEHICLES
POST PRODUCTION VEHICLES
SPECIALTY VEHICLES
HIGH PERFORMANCE VEHICLES
RE-ENGINEERING PROGRAMS
RE-SOURCING PROGRAMS
"END OF LIFE" REPLACEMENT PROGRAMS

TIER 1 & TIER 2 SUPPLIER
ISO 9001:2008
TS 16949:2009
AIAG QUALITY MANAGEMENT

Select Sterling Products

PACKAGED ELECTRO-MECHANICAL SOLUTIONS

We will work with your Engineering Team and Commodity Buyers to develop or re-design your electro- mechanical sensor, control, and interface components. Custom STI solutions & innovations are ideal for new programs as well as affordable replacement strategies for legacy service products that may be phasing out of production but still have market demand.

EXAMPLE PROGRAMS:

- Coolant Level Sensor
- Throttle Interface Sensor
- Electronic Speed/RPM Changer
- Tire Pressure Receiver
- Key Fob/Remote Control
- Relay Flasher
- Horn Controls
- Sun Roof Controls



WIRE HARNESES & CABLE ASSEMBLIES

From simple to complex harnesses, STI offers high quality assemblies for all applications with a full line of terminals and connectors such as Tyco, Delphi, Molex, and Deutsch. Our capabilities include ultrasonic welding, automatic lead making, wire coloring/marking/stripping, harness braiding, shielding, twisting, potting, pull & pressure testing, and 100% electrical tests for connectivity, insulation, shorts, resistance, capacitance, and more.

WIRING HARNESS TYPES:

- Air Bags
- Engine
- Battery
- Lighting/Sound
- Sensors/Wiring
- Chassis/Body



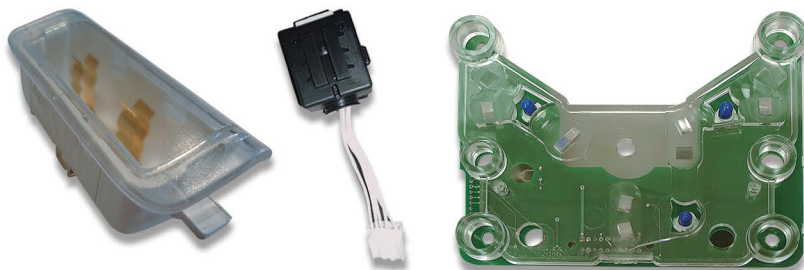
JUMPER / ADAPTER HARNESES

Jumper or Adapter harnesses are ideal solutions when you need to make connections between existing components and new service parts. Custom PCBs may also be added "in-line" for routing of connections or inserting logic/timing into the system circuitry. STI offers "kitting & packaging services" for OEM's to make things easy for their service/dealer network.



CUSTOM MOLDED PARTS

Custom molded parts are often needed for an electronic package or assembly. STI capabilities include producing the parts from your prints, samples, or working with your design team to propose an engineered solution that fits your needs. Once designed, we'll employ rapid prototyping processes for your Design Validation requirements.



Project Management • Custom Design/Manufacture • Build to Print • Low to High Volumes

Other Services

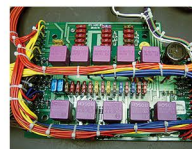
ASSEMBLY / KITTING

STI offers a skilled and flexible workforce to OEMs. We can provide full procurement & manufacturing services for your custom products. Or, we can simply provide "labor only" assembly/testing services to parts that you supply at no cost. If you require kitting/unitizing of items for your service or dealer networks, we can handle that part of your program too.



PCB DESIGN / MANUFACTURING

STI Engineering will accept or help develop your functional requirements for a unique electronic solution. We have expertise in analog/digital circuit designs, power distribution centers, fuse boxes, EMUs, displays, hardware/software development, and a variety of wired/wireless network communications & protocols that include CAN bus and J1939. Manufacturing processes include SMT and Through-hole technology.



INTEGRATED INSTRUMENT CLUSTERS

Instrument Clusters and Dashboards are customized & CNC routed from durable, heavy-gauge polycarbonate material. Custom Placards use thin-gauge polycarbonate material with reverse printing/silk-screening for reliable long-term wear and scratch resistance in harsh environments. We can develop or install any combination of gauges, switches, back-lighting, audible/visual alarms, harnesses, and electronic controls.



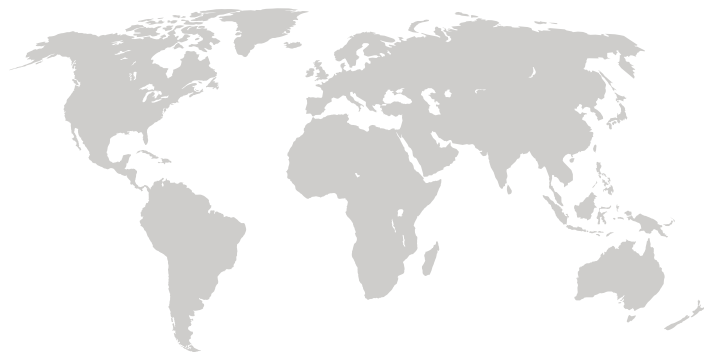
CONTROL PANELS & TEST EQUIPMENT

STI Control Panels can be customized in any size or shape to fit your requirements. They are configured for applications such as operator interface consoles, power distribution panels, junction box assemblies, motor/engine/hydraulic/pump controls and logic interfaces, or for custom test stand requirements. They are designed & manufactured for use in harsh or clean environments and 100% fully tested for high reliability.



What can we build for you?

Contact us with your requirements.



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STERLING
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Manufacturing affiliates in
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