



Custom Wiring Harness Solutions

From prototype to high-volume — precision built in the USA



SWIPE TO SEE HOW WE BUILD IT →

01

GLOBAL SUPPLY CHAIN

*Worldwide reach.
No limits on wire type or gauge.*

Our Capabilities

Wire Range

Automotive XLPE — 20 AWG to 8 AWG (and beyond)

Connectors

Deutsch • Aptiv • TE • Molex • and more

Scale

Prototypes to high-volume production runs

Coverage

Every component, raw wire to final covering

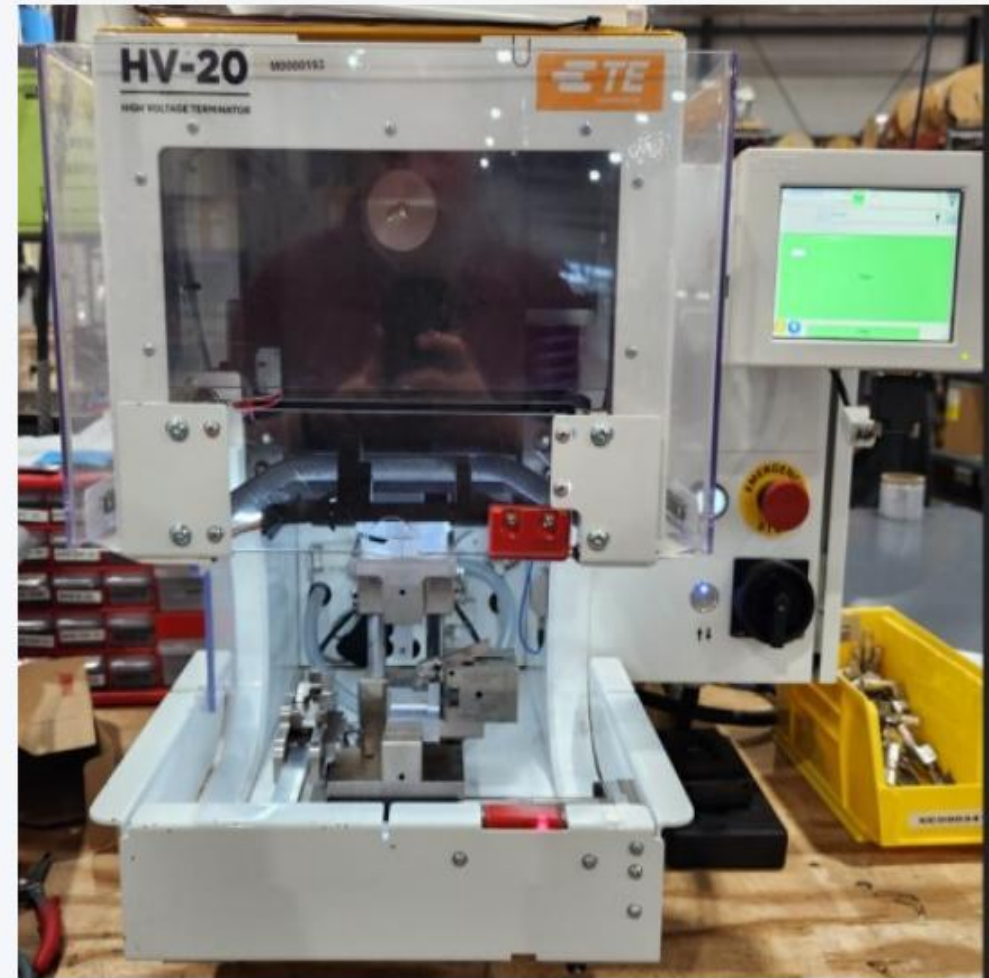
02 WIRE PROCESSING

Automatic Crimp Centers

All wire processing begins on our automatic wire processing equipment for maximum precision and throughput.

Manual KMI Crimp Centers

Terminations that can't run on the auto center move to our KMI manual stations — with mini applicators matched to each terminal spec.



Precision crimping meets manufacturer spec — every time.

03 LARGE GAUGE CABLES



350 MCM

Max cable size on Mega Strip unit

8 AWG → 600 MCM

Hydraulic press crimping range

UL Spec

All heavy-duty crimps certified

Pre-feed automation handles measure, cut & strip for multi-core cables.

04 WIRE SPLICING

Option 1

Ultrasonic Welding

Our first choice for splicing. Creates molecularly bonded, vibration-resistant joints — no solder, no heat damage.

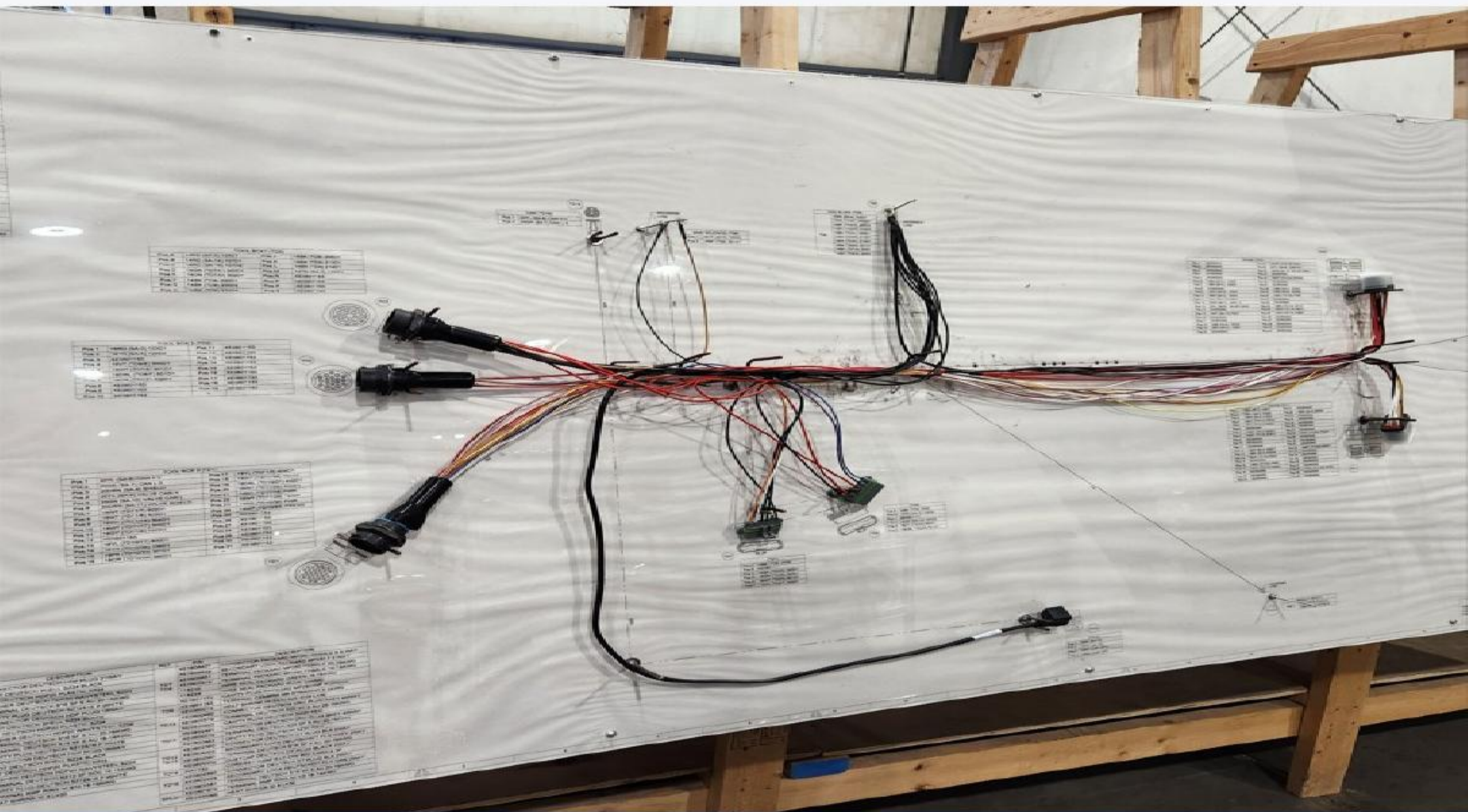
Option 2

Parallel Splices

When ultrasonic welding isn't feasible, we use parallel splices to reliably join wires together with the same quality standards.

Two proven methods. One commitment to quality.

05 HARNESS ASSEMBLY



Full-Scale Prints

Built off color pinout tables on life-size boards

Point Assembly

Most harnesses built, finished & tested at one station

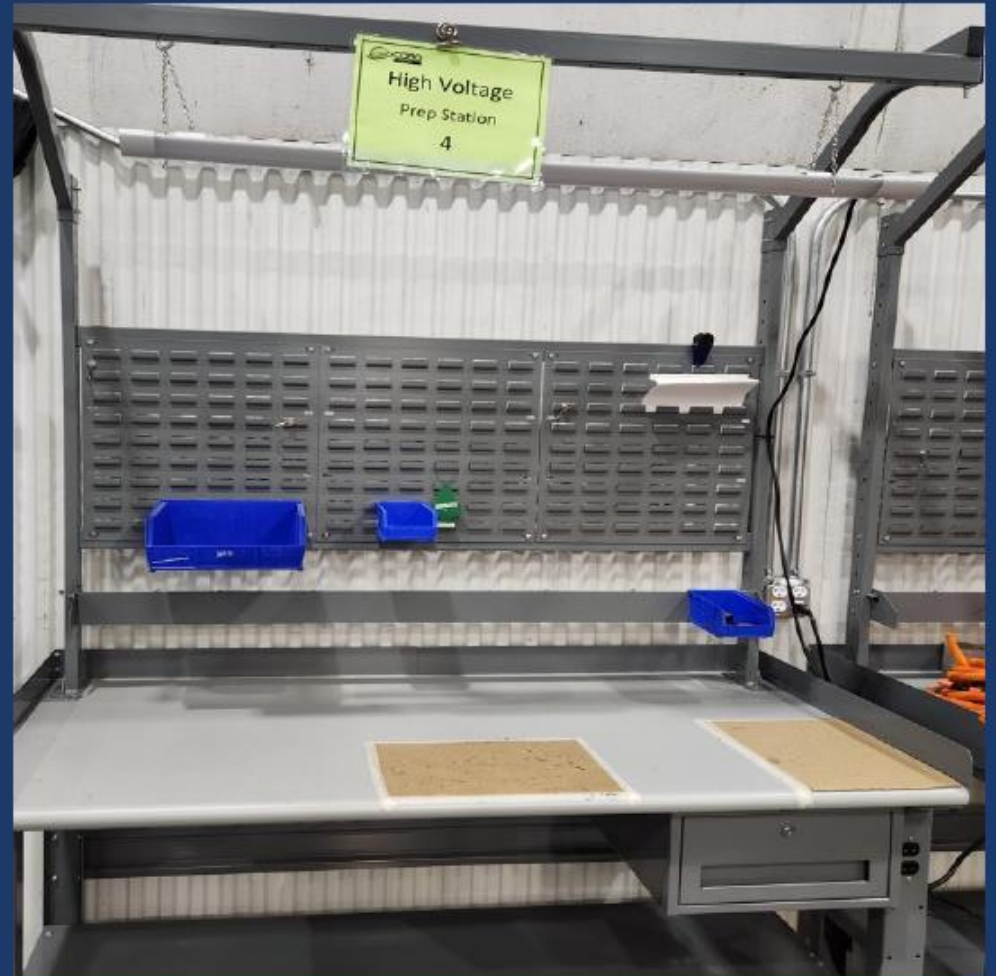
Color Pinouts

Every wire tracked by color for zero-error assembly

06 HIGH VOLTAGE ASSEMBLY



HV-20 Terminator
(TE Connectivity)



Dedicated HV
Prep Stations

6 Dedicated HV Assembly Stations

Ready for all high voltage connector types

07 HIGH POT TESTING

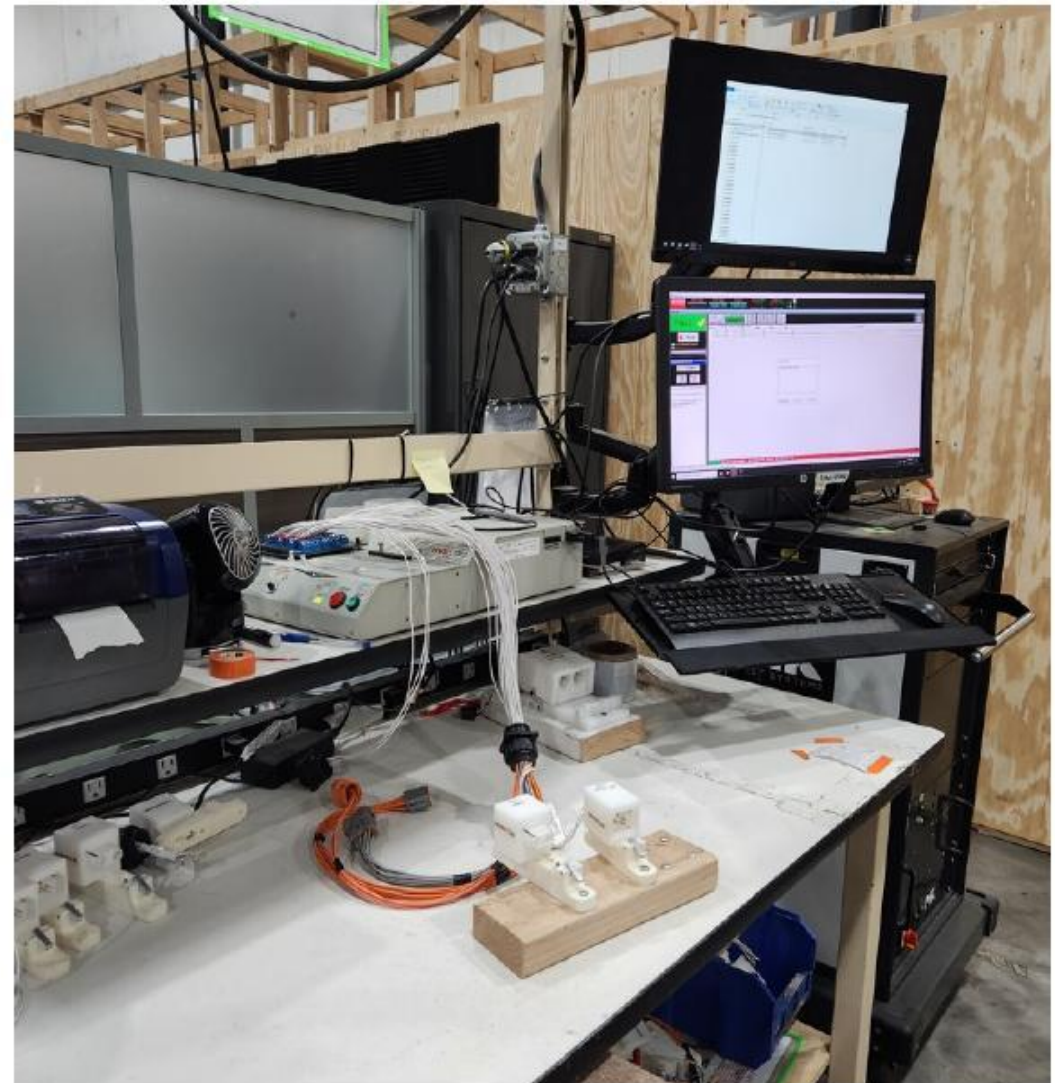
Two Testing Levels Available:

2,100V

Standard High Pot Test

Up to 8kV

MKII Advanced Tester



Ready to discuss your project?

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#WiringHarness #ManufacturingUSA #HighVoltage #EV #Automotive