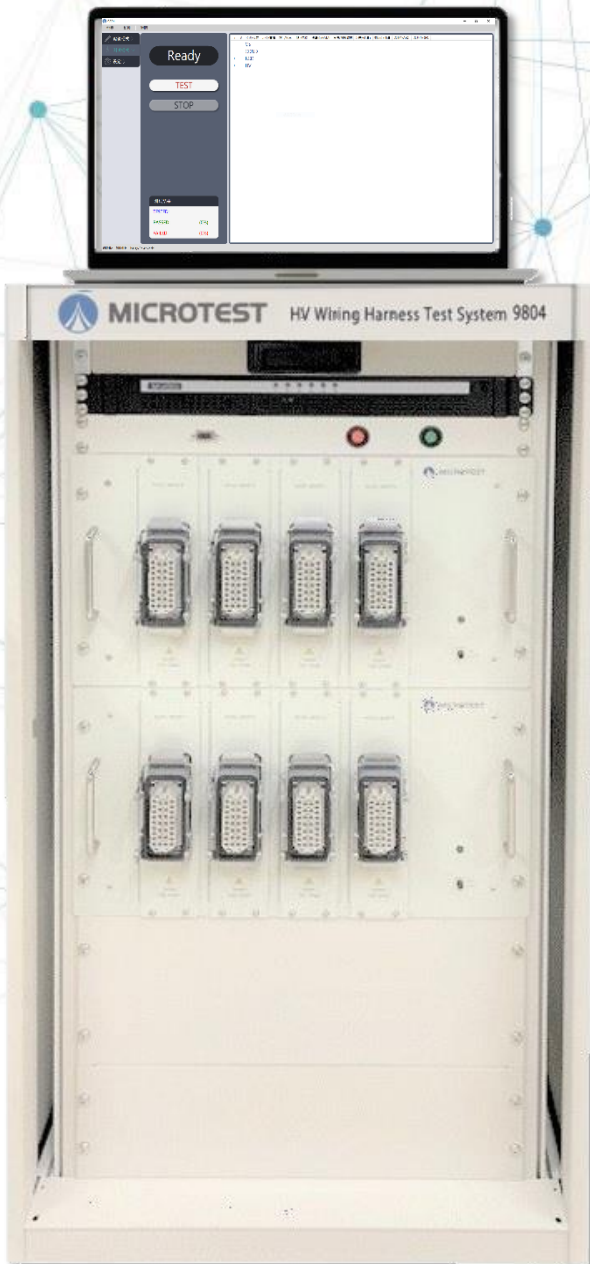


9804

HV Wire Harness Test System

Application Note



Industry Analysis

/ HV Harness Test System 9804

EV High-Voltage Harness Supply Chain

Supplier

Copper Wire

Cables



Manufacture

High-Voltage Harness



High-Voltage Connector



Seller

EV Assembly

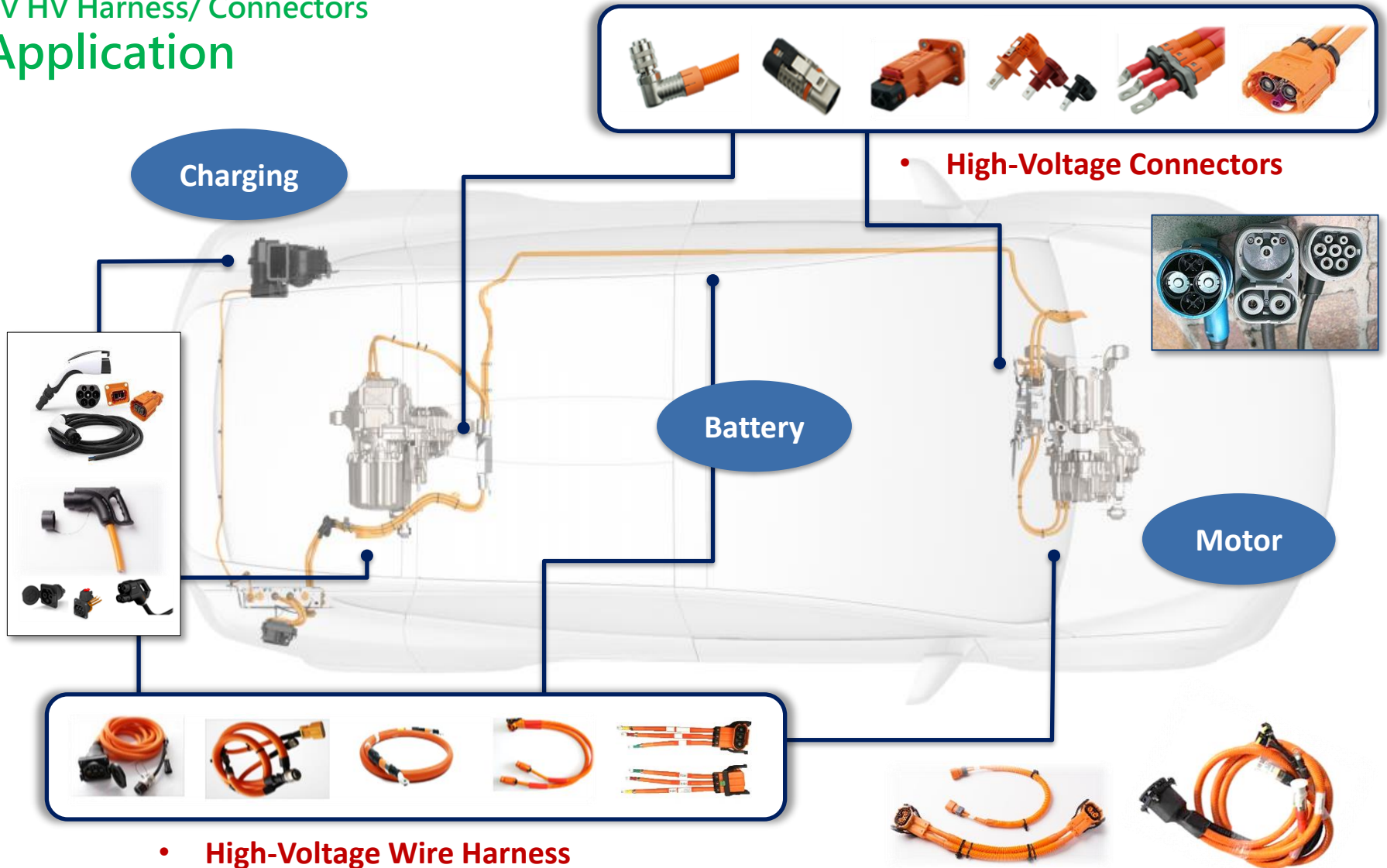
EV Parts Supplier



Industry Analysis

/ HV Harness Test System 9804

EV HV Harness/ Connectors Application



• High-Voltage Wire Harness

Industry Analysis

/ HV Harness Test System 9804

EV High-Voltage Harness Characteristic/ Request Spec.

EV Wire Harness Test Items



Low Voltage	O/S, Conductance
High Voltage	Hi-Pot, Leakage current, IR
Temperature	Resistance

High Voltage		1000V
Current		250A/400A
Safety	Hi-Pot Test	AC 2700V, Leakage Current <10mA
	Insulation Test	DC 1000V, IR>100MΩ
HV Wire Harness		AC 600V~1000V / DC 1000V~1500V
HV Connector		750V

9804 HV Harness Tester

/ HV Harness Test System 9804

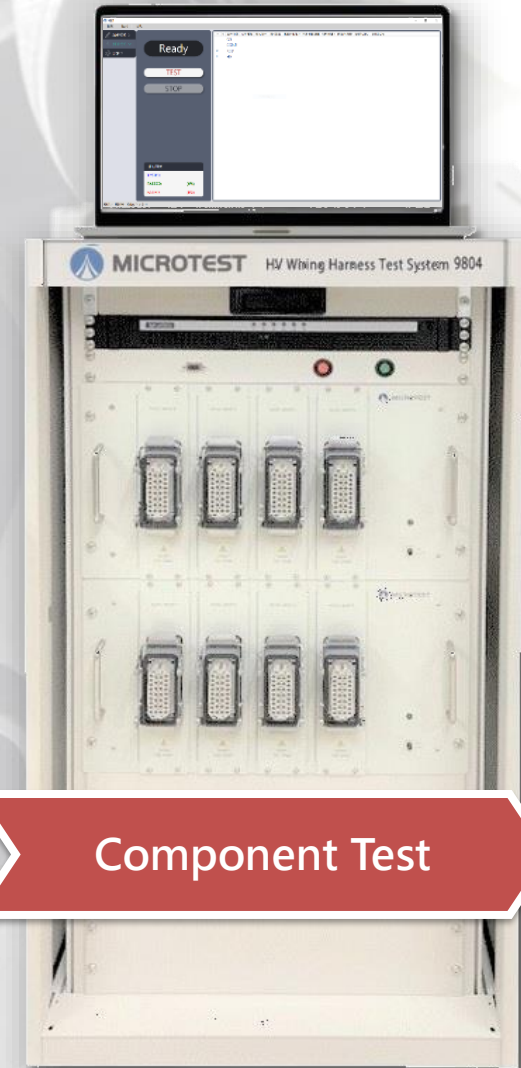
9804

High Voltage wire harness Test System

One-Step Test

Safety Test

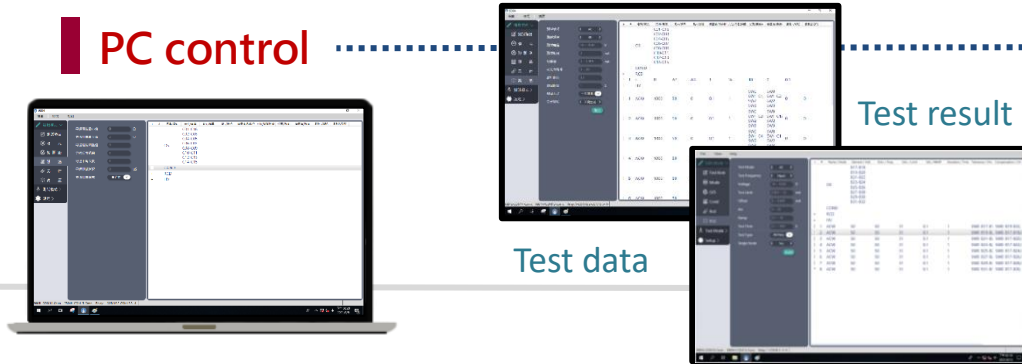
Component Test



9804 Feature & Functions

/ HV Harness Test System 9804

PC control



Measurement

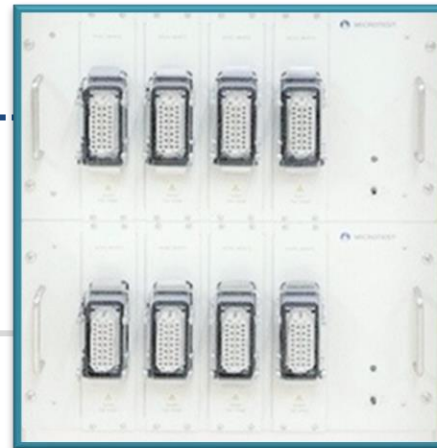
- ACW, DCW, IR
- Conductance, O/S
- Resistance, Capacitance

Customized Fixture

- 4-Wire Measurement
- 128 channels



4-Wire designed by testing connector and wiring harness

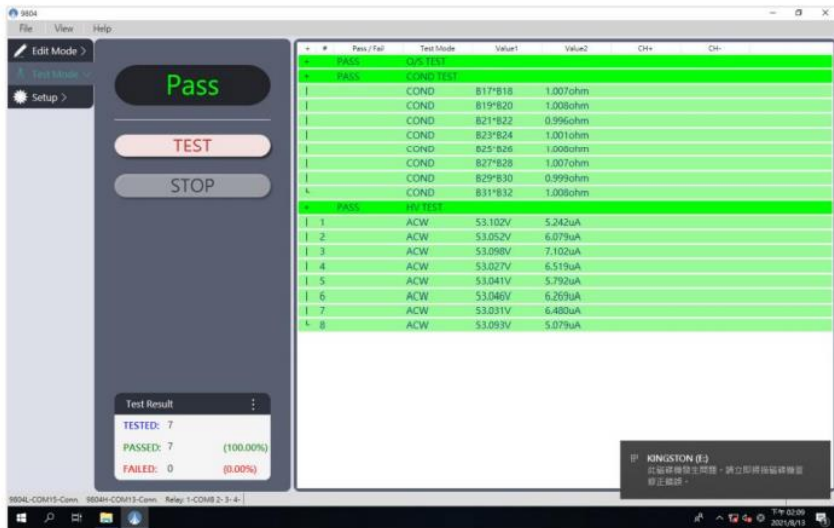


9804 Specification

/ HV Harness Test System 9804

High Voltage Module Test	
AC Hi-pot Voltage	10V-3500V
AC Leakage Current	30mA
DC Hi-pot Voltage	10V-5000V
DC Leakage Current	10mA
Insulation Voltage	10V-1000V
Insulation Resistance	1-12000MΩ

Low Voltage Module Test	
Conductance	1mΩ-52Ω
Open / Short Test	2kΩ-100kΩ
Intermittence Conductance	1mΩ-52Ω
Intermittence O/S	2kΩ-100kΩ
Quick Intermittence open circuit	2kΩ-100kΩ
Automatic Loop Learning	•



Component Test	
Resistance Test	50mΩ-20MΩ
Capacitance Test	10pF-3F
Diode Test	0 - 6.8V

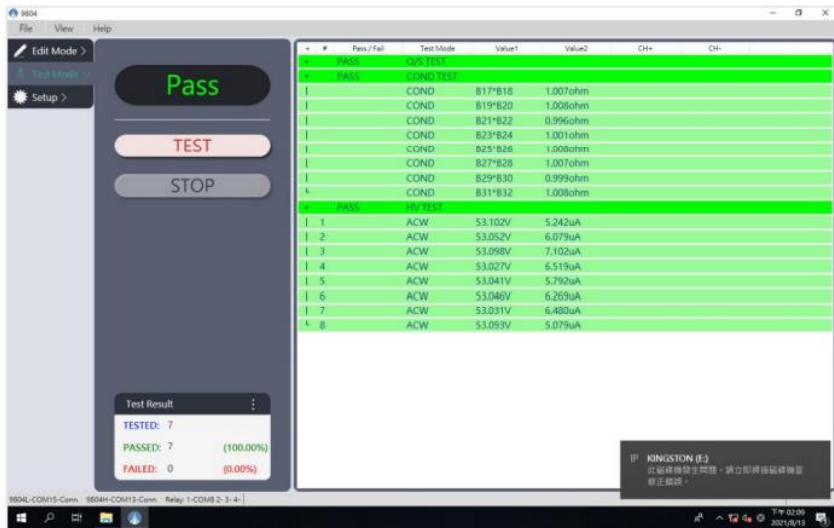


9804 Specification

/ HV Harness Test System 9804

High Voltage Module Test	
AC Hi-pot Voltage	10V-3500V
AC Leakage Current	30mA
DC Hi-pot Voltage	10V-5000V
DC Leakage Current	10mA
Insulation Voltage	10V-1000V
Insulation Resistance	1-12000MΩ

Low Voltage Module Test	
Conductance	1mΩ-52Ω
Open / Short Test	2kΩ-100kΩ
Intermittence Conductance	1mΩ-52Ω
Intermittence O/S	2kΩ-100kΩ
Quick Intermittence open circuit	2kΩ-100kΩ
Automatic Loop Learning	•



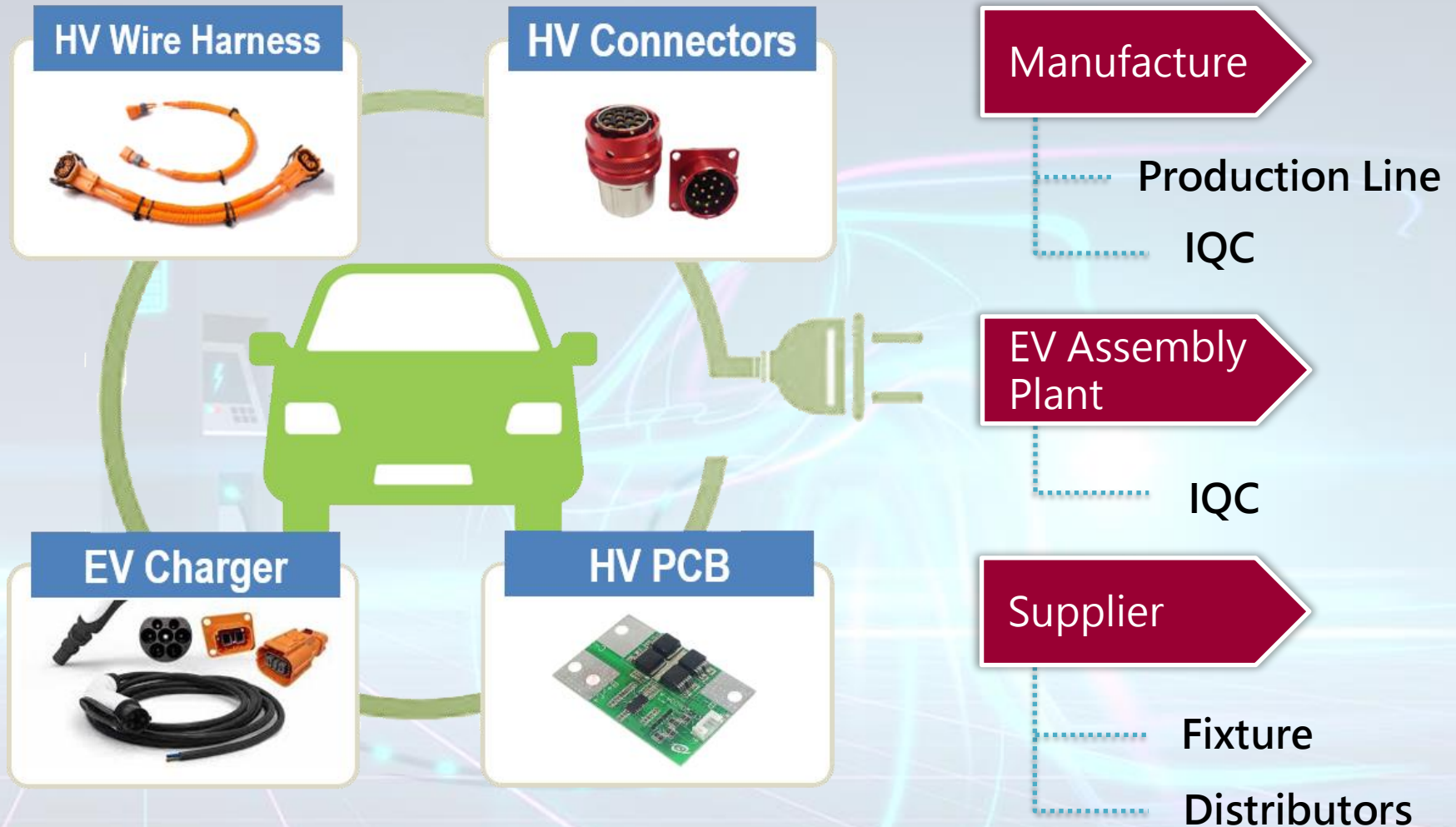
Component Test	
Resistance Test	50mΩ-20MΩ
Capacitance Test	10pF-3F
Diode Test	0 - 6.8V



Target Market and Applications

/ HV Harness Test System 9804

EV Industry





9804 HV Wire Harness Test System Video

<https://www.youtube.com/watch?v=Ps2p-p95PcQ>



MICROTEST

<http://www.microtest.com.tw/en/>

Thank you for the supporting!

