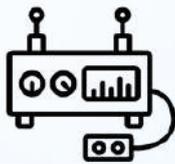




# Electric Vehicle Testing & Inspection Solutions



**Component Level Testing**

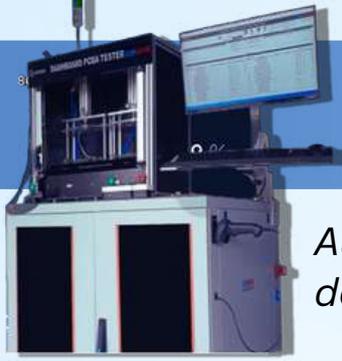


**System Integration Validation**



**Data-Driven Inspection Reports**





# EV Dashboard Test System



Automatically tests dashboards upon placement, detecting defects with no manual intervention, ensuring accuracy and speed.



**High-Precision Visual Inspection with RGB Profiling**



**Automated Reporting and Traceability**



**Integrated UDS/CAN Protocol Communication**



**Customizable testing ensures tailored assessments**

## Features:



Detect and classify defects using diagnostic parameters accurately



It takes < 120s including visual inspection



Configurable and Parallel Testing (upto 8 Stations)



It supports both PCBA & EOL Testing (Simultaneous testing)

# EV Flashing Station

This system enables dashboard flashing for up to 16 units in parallel, with built-in safety features and automatic engage/disengage mechanism to reduce operator intervention increased efficiency.



Faster cyclotime



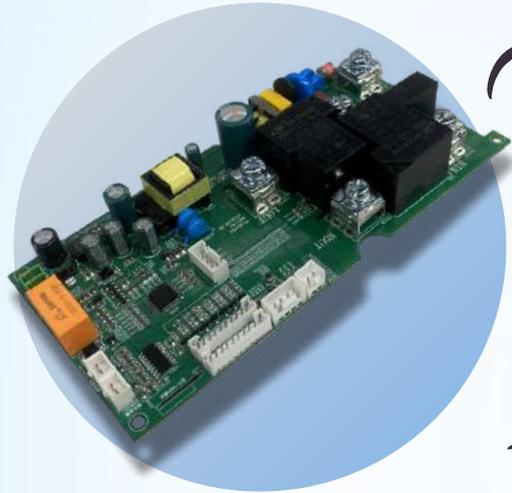
Parallel flashing



Automated engage mechanism

# PCB Functional Tester

The machine automates LDU and PDU testing, ensuring fast, reliable, safe validation without manual input.



**Enables simultaneous testing of LDU and PDU for higher efficiency**



**Simulates real EV conditions to validate key vehicle functions**



**Tests up to 4 units simultaneously to boost throughput**



**Detects insulation faults and leakage using high-voltage safety testing (1400V)**

## Features:



**High Speed Inspection**  
(160 Parts/Hour for Both LDU & PDU)



**It supports PCBA & EOL Testing**(Simultaneous testing)



**Parallel and Configurable Test Stations**



**Integrates SQL, OPC UA and Excel for data logging and analysis**

# EV battery Testing Kit

The project aims to develop a LabVIEW-based battery testing kit with a modular, plugin-driven architecture, allowing users to customize tests and explore advanced battery analysis.



**Modular Plugin Architecture**



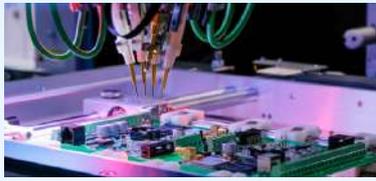
**Customizable & Extendable Software**



**Automated Testing & Data Analysis**



**Advanced machine vision systems for high-speed, precision sorting and inspection across industries**



**Automated test systems ensure flawless, uncompromised products for all sectors**



**Expert LabVIEW consultancy and targeted solutions for your development Team**

## We also Worked on...



**Oil filter Inspection System**



**Automotive Lamp Test System**



**Automated Pump Test System**



**Spark Plug Inspection System**



**Fastener Inspection System**



**O-Ring Inspection System**

### Our Valuable Clients :

