

Automated In Line Component Tester

Project Overview

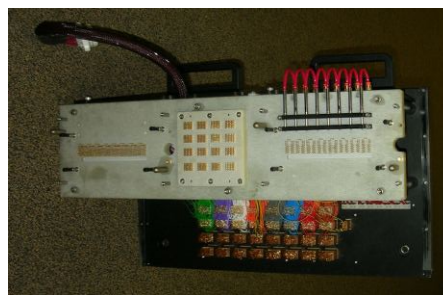
- Very high volume parametric/HIPOT test
- Fully automated product handling
- 14 week development and delivery
- Three systems installed and supported in China



Test Performance Details

- Precision capacitance test
 - Precision inductance test
 - Transformer turns ratio
 - Continuity
 - High voltage isolation 2250VDC
 - 250 tests/part
 - 100+ tests/second
 - 8 tested parts every 20 sec
- CCITest Software
 - ▶ Parallel test sequencing
 - ▶ Data logging, frequency, amplitude
 - CCI Automation Software
 - ▶ Position sensing
 - ▶ Conveyor control
 - ▶ In motion bar code scanning
 - ▶ Pneumatic actuation control

Product pallet retains eight products for test



Mechanical fixture with dual probe fields shown

Access to two pallets allows for concurrent sequencing of both low and high voltage tests.



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Engineering Services

Automated Board Handler Fixtures

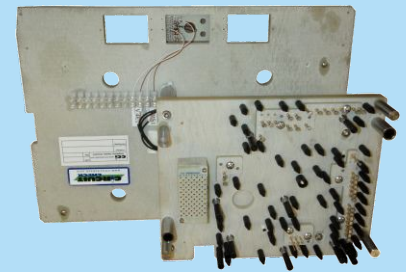
In-Line Board Handler Test System



In-circuit
fixture

Functional
fixture

Hi-Pot
fixture



Top of test fixture

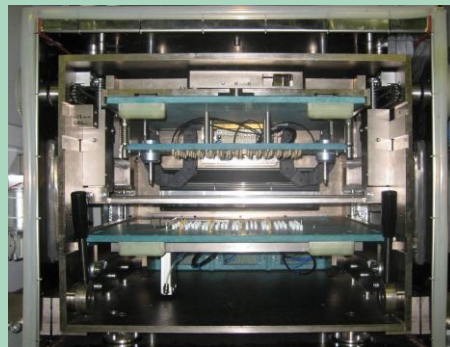


Bottom of test fixture

In-Line Thermal Chamber Test System



Bottom fixture
manufactured using high
temperature materials



Hi-temp board handler fixture
shown as used
inside thermal chamber



Top fixture
manufactured using high
temperature materials