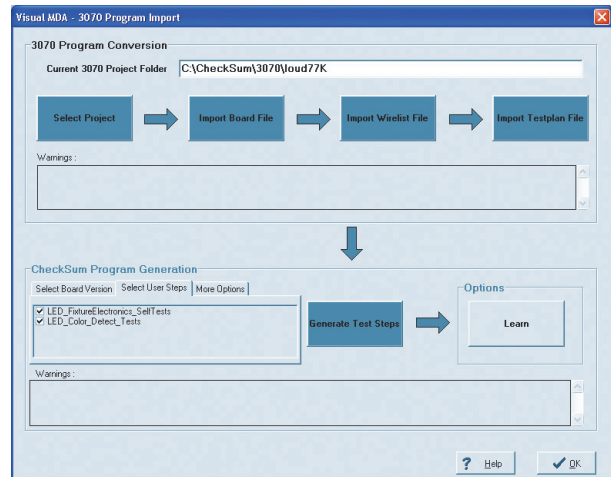




The CheckSum Analyst fcs: Expand your test capacity and preserve your Agilent fixture investment—at half the total cost.

Now you have a choice when it's time to increase the capacity of your Agilent in-circuit test installation. The CheckSum Analyst fcs™ Fixture-Compatible In-Circuit Tester delivers the testing benefits at about half of what it costs to buy, deploy, use, and maintain an additional Agilent system.

Best of all, you preserve your sizable investment – often exceeding that of the tester itself – in Agilent 3070-series test fixtures.



In-circuit test information (such as switching, guarding, test setups, and tolerances) from the original Agilent test job is captured and processed into an Analyst test program, ready for final validation by your test engineers or by CheckSum's Applications Support Group.

With the Analyst fcs you get:

- Complete non-digital vector in-circuit test coverage for today's—and tomorrow's—SMT technology boards.
- Fully integrated point-for-point compatible Agilent 3070-series fixture interface. No adapter required.
- Accepts 1-, 2- and 4-module 3070-style bed-of-nails test fixtures.
- Can be equipped with up to 5184 test points.
- Available Agilent Device Under Test (DUT) power supplies.
- Reliable solid-state switching.
- Numerous customizable options.
- Software tools for Agilent test job data capture and processing included with system.
- Powerful SPC tools for debugging and real-time production monitoring.

Test Strategy Flexibility. High Fault Coverage. True Low Cost.

Classic in-circuit test

Checksum Analyst fcs performs complete guarded in-circuit tests of passive components using sophisticated measurement techniques such as complex-impedance measurements.

Field-proven measurement circuitry performs high-impedance tests with excellent repeatability.

TestJet Technology*

Available TestJet Technology is the best way to test for opens—the most common defect in and around today's complex integrated devices—whether digital, analog, or mixed-signal.

Boundary-scan test

Analyst systems can accommodate a number of popular third-party boundary-scan subsystems from industry leaders, including Corelis, Asset InterTech, JTAG Technologies, and GÖPEL electronic.

High-throughput in-line ISP device programming

The MultiWriter™ ISP System uses proprietary technology to concurrently program up to 384 serial bus ISP devices, and program customized chip-specific data to individual devices. And it's fast. Serial Flash, EEPROMs, embedded microcontrollers, and FPGAs are programmed at near data-book speeds.

Abbreviated Performance Specs

Power-off (in-circuit) testing

- Programmer-selectable 2-wire or 4-wire external sense measurements for resistors, capacitors, diodes, and inductors.
- Open/short thresholds programmable over 1Ω to 50KΩ (10Ω typical). Continuity measurement source current: 1μA to 1mA (decade steps)
- Resistance: 0Ω to 19MΩ; DC constant voltage or AC (100Hz to 1KHz).
- Capacitance: 10pF to 20,000μF; constant current pulsed source (1mA to 10mA) or AC (100Hz to 100KHz).
- Inductance: 10μH up to 1000H; AC (100Hz to 100KHz) and full range amplitudes 0.2V to 2.0V.
- Voltage measurement: DC amplitudes to 10V. Fully differential measurements up to ±8V from chassis ground.

Power-on testing using standard Analyst fcs Power Source

- Agilent N6700B family power supplies
- Up to 4 outputs, different DC power modules are available
- GPIB/USB programmable
- Floating outputs

System switching

- The system uses an N x 16 solid-state analog bus.
- Each point can be a measure source high, measure source low, measure sense high, measure sense low, guard source, guard sense, or DC/AC signal source.

- Maximum voltage: ±12V referenced to the computer chassis.
- Compatibility with the TestJet muxes in your fixtures.

System software

- Agilent test job data capture and processing software
- Visual ICT Test Executive runs in Windows OS environment
- Includes complete on-line help files
- Display operator instructions in local language
- Major elements in Visual ICT Test Executive
 - Testing Environment
 - Statistical Process Control Tools
 - Test Program Generation Tools
 - Test Program Validation Tools

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Fully tested.

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*MultiWriter Technology is protected under U.S. Patent No. 7,802,021.
TestJet Technology is protected under U.S. patent numbers 5,124,660 and 5,254,953.

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