



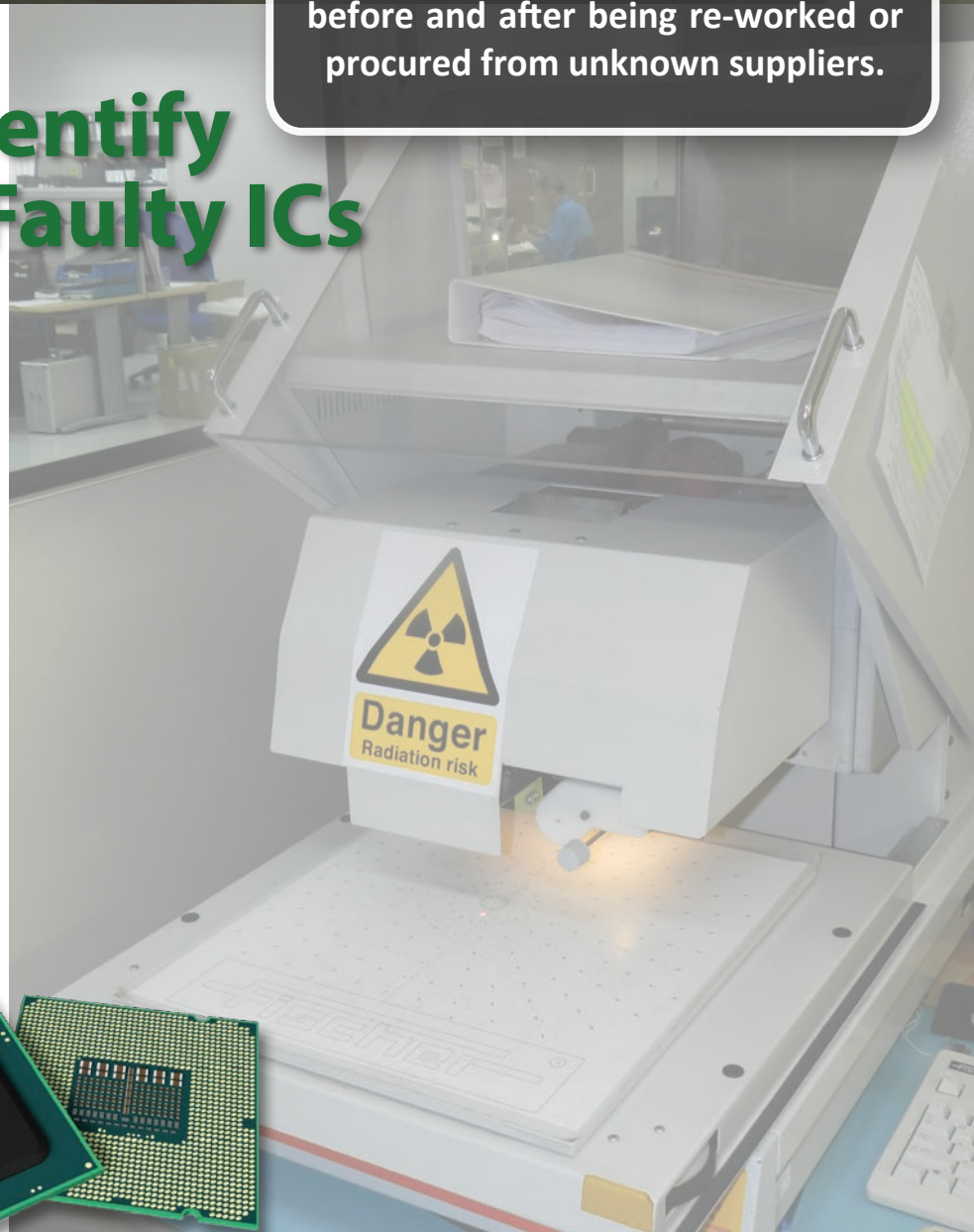
**RETRONIX**  
CONSISTENCY | INNOVATION | QUALITY | PRECISION

Ensure your ICs are genuine, authentic and good by testing them before and after being re-worked or procured from unknown suppliers.

## RETRONIX Identify Counterfeit/Faulty ICs

“Hard to find” or “allocated” IC situations force companies to look outwith their normal supply chain for ICs. This can lead to Counterfeit/Faulty ICs reaching their supply chain and potential disaster. It is important to carry out electronic component testing with a credible company.

Retronix has a range of tests to accurately identify pulled, faulty or fake components, using a range of IC Tests.



**FOR MORE INFORMATION PLEASE CONTACT US:**

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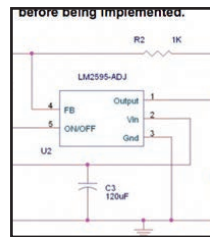
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## Visual Inspection



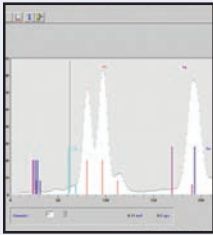
Visual inspection criteria employed by Retronix adheres to the standards IDEA-STD-1010-B, MIL-STD-883G and the mechanical dimension criteria of product datasheets. These tests will not only find remarked devices they will also be able to tell if your components are NEW and UNUSED.

## Key Function Test



KFT at Retronix involves our engineers designing a test circuit to check for the main aspects of the device detailed on the Datasheets, for example the Rds(on) value of a MOSFET

## XRF Test / XRF Analysis



Our XRF Testing/XRF analysis facility allows a non-destructive method to determine what alloy a termination consists of. All devices can be XRF tested including BGA's, QFP's and TSOPs, to Capacitors, resistors and connectors.

## X-Ray Test



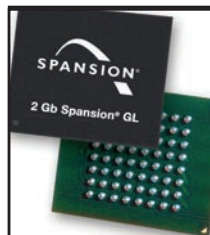
X-ray inspection systems have been specifically & ergonomically designed for the circuit board (PCB) & semiconductor industries offering high resolution nano-focus X-ray systems not only within failure analysis laboratories but also within the production environment.

## Solderability Test



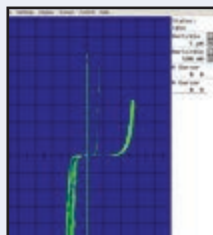
Solderability testing verifies a component is re-solderable. In line with JEDEC standards, we use our Solderability test to ensure that parts will not have Solderability issues in the manufacturing process.

## Memory Programming



Our flash memory test uses programmers to check for Counterfeit Programmable components. Using this Flash memory test tool, we can easily check device ID codes and confirm if your devices are BLANK or already programmed

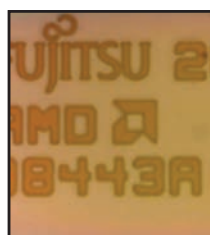
## Electrical Test (Curve Trace)



Electrical test is an IC Test to check the electrical parameters of every pin to pin e.g. current, voltage, diode resistivity, and silicon connectivity.

This is a very strong tool which allows us to detect whether a component is defective or not

## Decapsulation Test



Retronix can perform decapsulation of plastic molded packages using an automated etching system. We can also use decapsulation and high magnification analysis to check for signs of damage on the surface of an IC

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