SCANWORKS® PROCESSOR-CONTROLLED TEST DIAGNOSTIC & REPAIR SOFTWARE

Put the most powerful instrument on your board – the CPU – to work performing structural and functional diagnostics, debug routines and tests all in one pass.

OVERVIEW

Turning that manufacturing bone pile into revenue is critical in today’s market but repairing today’s boards, with their complex and expensive parts, cannot be done cost effectively and successfully with a traditional technician driven approach. Guessing or using past experience at what part to desolder is simply not viable. Desoldering the wrong part can quickly lead to too much time invested down the wrong path that leads to scrap. Today’s designs require the correct tools for the job. ScanWorks Processor-Controlled Test (PCT) Diagnostic & Repair software is targeted a repair facilities and manufacturing test facilities when you need to apply functional test on a failing board without the need or ability to develop functional test software. With this software you have the power and flexibility to diagnose problems on the production line or problems in the repair facility. This software combined with the hardware controller provides access to the CPU. You will be able to access digital components via the processor. With the interactive control of the processor, you probe devices attached to the CPU without costly probing and the need to write software. This interactive process allows you to access registers, memory and IO to help diagnose the problem with the failing board.

Knowing that it is often necessary to flash new content into a board before the debug process can begin, often customer rely on special tools for SPI or other flash type devices. Recognizing this need, the PCT Diagnostic & Repair software supports the flashing of many different types of devices and has a special interface to support this activity.

In many cases the hardware needs software to
be initialized. PCT uses host based scripts written with the PCT Development environment to provide this initialization. These scripts can be executed in the repair tool. Register on the web to receive the fact sheet on PCT Development for further information on this powerful script based tool.

Our customers see definite advantage over their traditional technician driven debug both in time and accuracy of the reported diagnosed failure by using PCT. So, in short, PCT Diagnostic and Repair software is a precise tool with pin-point diagnostic resolution to accelerate your time-to-repair and time-to-revenue.

**ScanWorks Platform for Embedded Instruments**

ScanWorks Platform for Embedded Instruments is a seamless software environment to access, run and collect data from any instrument in your chips, circuit boards or systems. The ScanWorks Platform includes products for Boundary-Scan Test (BST), Processor-Controlled Test (PCT), High-Speed I/O (HSIO) Validation, FPGA-Controlled Test (FCT) and IJTAG test.

**ASSET Contacts:**

Please contact your ScanWorks sales representative for more information.

ASSET InterTech, Inc.
2201 N. Central Expwy., Ste 105
Richardson, TX 75080
+1 888 694-6250 or +1 972 437-2800
http://www.asset-intertech.com