

PXI-based Functional Test Solutions

Agilent Technologies
and The Test Connection Inc.

Meet your time and budget constraints with PXI-based functional test

Designing a functional test solution can be time consuming and costly. The increased emphasis on budgetary constraints means that the creation of in-house, special-to-type test solutions can no longer be justified. Wherever possible you need to leverage your test equipment hardware and software across many different products in order to maximize your return on investment.

Many factors must be considered in developing a functional test solution – the characteristics of the DUT, the test coverage required, test times, the resources available and the overall budget. You need to balance the three constraints of performance, cost and time in order to create the optimum solution.

The focus on performance, cost and time lies at the heart of The Test Connection Inc's functional test approach. TPCI creates comprehensive test solutions for its customers by building on the capabilities of Agilent Technologies' functional test platforms. With the Agilent TS8900, TPCI can now offer a PXI-based test solution that meets your exact

test needs - in aerospace/defense, automotive, avionics, medical, telecommunications and others.

The TS8900 system includes a range of PXI measuring/stimulus/interface instruments. These include the M9186A 100V voltage/current source, M9216A high voltage 32 channel acquisition module, M9185A Digital to Analog converter, M9187A 32x32 digital I/O and the M9182/3 digital multimeter. Boundary Scan (JTAG) testing can be added to the TS8900 for enhanced digital diagnostics.



In order to extend the system to meet your exact functional test needs you can also specify additional LXI or GPIB-based test resources from Agilent's world leading range of standalone, modular and card-cage instrumentation products.



TPCI uses the TS8900 as the platform for creating test systems for its customers. Working with the customer, the company will create a detailed system requirement definition including test instrumentation, estimated test times and throughput, the physical footprint of the systems and all key specifications. From the initial proposal TPCI will develop and implement the hardware and



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software resources necessary to meet your needs. TTCI can provide delivery, installation, training and support services to ensure rapid and effective deployment.

With its extensive experience in functional test and its worldwide service and support organisation TTCI can fully utilize the capabilities of the Agilent TS8900 to supply cost-effective PXI-based solutions that meet your specific functional test needs.

Ordering Information

Agilent Technologies

TS8900 Functional Test System Platform

The Test Connection, Inc.

TS8900 Turnkey Application Development

www.agilent.com

For more information on Agilent Technologies' products, applications or services, please contact your local Agilent office. The complete list is available at: www.agilent.com/find/contactus.



The Test Connection, Inc. (TTCI) has been supporting electronics test for over 30 years by offering printed circuit test solutions including In-Circuit Test (ICT) development, Flying Probe development, Boundary Scan Test Solutions and Functional Test System development.

www.ttci.com

Product specifications and descriptions in this document subject to change without notice.

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