

Functional Test Solutions

Agilent Technologies
and The Test Connection Inc.

Meet your functional test needs, on time and in budget

Designing a test solution to meet your functional test needs can be time consuming and costly. As a result the creation of in-house, specific-to-type test equipment can no longer be

justified. Every new DUT shouldn't need a different test system or all new software, your test resources need to be leveraged across 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 (TTCI) functional test approach. TTCI creates functional test solutions for its customers by building on the capabilities of the Agilent TS-5000 series of functional test plat-

forms. The series comprises a range of pre-configured test systems that provide high speed measurements and high power DC/AC capability for testing complex electronic devices in applications such as automotive, smart meters and avionics.



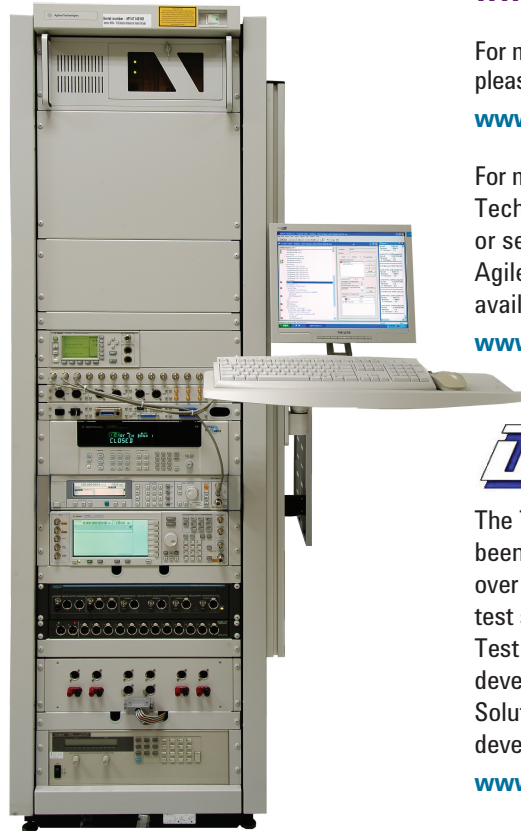
TS-5000 systems can include, as standard, a 320 x 4 line signal-switching matrix, load switching up to 30 amps, multiple power sources up to 1200 W, a DMM, counter and a function/arbitrary waveform generator. To extend this configuration you can specify additional test resources from Agilent's wide range of standalone, modular and cardcage instrumentation in order to create a system that meets your exact functional test needs.



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TTCI uses the TS-5000 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 TTCI will develop and implement the hardware and 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 organization TTCI can fully utilize the capabilities of the Agilent TS-5000 series to supply cost-effective solutions that meet your specific functional test needs.



www.agilent.com

For more information on TS-5000 family, please visit:

www.agilent.com/find/automotive

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.

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

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Ordering Information

Agilent Technologies

TS-5000	Functional test system platform
34980A	Multifunction switch/measure unit
34410A	Digital multimeter
3411A	Digital multimeter
53131	Universal mfrequency counter/timer
33220A	Function/arbitrary waveform generator
66xxA	Power supply
N67xx	Modular power supply

The Test Connection, Inc.

XJTAG (-PXI) or (-Link2)	Boundary scan testing modules in PXI or USB
FR01ATO	FLASH programming module
IC board or fixture	Interface connector board or bed of nails fixture
3rd party instruments	As specified



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