

Teradyne Debuts Six New TestStation Solutions at IPC APEX EXPO 2014

Mar 24, 2014 6:00 PM

NORTH READING, Mass.--(BUSINESS WIRE)-- [Teradyne, Inc.](#) (NYSE:TER), a leading supplier of PCB production test solutions, today debuted 6 major [TestStation](#) printed-circuit board (PCB) systems and options at [IPC APEX EXPO 2014](#).

New products include:

- The TestStation Multi-Site in-line and off-line systems for high-volume or panelized PCB test;
- The TestStation High-Speed Automated PCB Handling system for inline test applications;
- The TestStation LX2™ System, with up to 15,360 hybrid test points for single insertion test of complex PCBs;
- The TestStation High-Density Channel card featuring 512 I/O pins for improved test economics; and
- TestStation V.7 software suite for improved performance of installed and new TestStation Systems.

TestStation Multi-Site Inline and Offline Systems

Teradyne's new Multi-Site systems deliver full parallel test of multiple boards, providing step-function improvements in system productivity and cost of test. A single Multi-Site system delivers the equivalent productivity of two or more conventional MDA/ICT systems, with half of the recurring cost of operators, fixtures and factory overhead.

These new Multi-Site systems are configured for automated in-line, and manual off-line use. TestStation in-line systems feature a 'Zero-Footprint' design that mates to automated PCB handlers with no incremental floorspace consumed. TestStation offline systems deliver twice the productivity of conventional systems while using up to 70% less factory space and power provisioning.

TestStation Automated PCB Handling System

The new TestStation Automated Handling system minimizes the costly dwell time of traditional solutions. The Handling system can deliver mechanical board transport cycle-times of under six seconds with full dual-site test support and an 850mm wide footprint while consuming less than a square meter of costly production floorspace. Short dwell time and multiple test sites allow the system to produce more and idle less, thereby maximizing tester and downstream equipment utilization.

TestStation LX2™ and 128HD™ High-Density Channel Card

The new TestStation LX2 system, configured with new 128 High-Density (128HD) channel cards, can test complex boards requiring up to 15,360 hybrid test points in a single insertion –with full analog, digital, boundary scan and in-system programming capability. Each 128HD card delivers 512 hybrid test pins, doubling test system pin counts of the existing TestStation footprint. Previously, complex circuit boards required separate analog, digital and scan test workflows. Each

test workflow drove individual test systems, multiple test fixtures, and separate operators, which increased recurring costs. A single LX2 with 128HD cards combines these test flows into a single, full test performance test insertion, dramatically reducing production test times, recurring test costs, and delivering step-function time-to-market improvements.

TestStation Version 7 Software

TestStation Version 7 software delivers new panelization, variant-management, multi-site test, and ease of development and debug improvements to TestStation customers. It introduces Self-Service-Licensing to permit users to manage tester instrument and option resourcing at their local site, maximizing ICT equipment utilization and lowering the cost of test further.

“Teradyne’s R&D efforts are focused on innovations that substantially reduce the test cost and time-to-market for high-mix, high-volume and high-complexity circuit board testing,” said John Arena, Product Line Manager, Teradyne Production Board Test Group. “These new [TestStation](#) systems and options fundamentally change the cost of test equation, directly reducing recurring operating costs for our customers.”

The new TestStation products will be introduced at Booth #2183 during [IPC APEX EXPO 2014](#) to be held in Las Vegas, Nevada from March 25-27, 2014. IPC APEX EXPO is North America’s premier conference and exhibition for the electronic interconnect industry.

The [TestStation](#) family offers the industry’s broadest range of cost and performance options for performance in-circuit and functional test of high volume circuit boards. The TestStation Multi-Site architecture extends the TestStation performance to deliver simultaneous, parallel test for complete analog and digital in-circuit test with functional test, boundary scan, flash programming and parametric test options.

For more information on the TestStation family, visit <http://info.teradyne.com/teststation-multi-site>.

About Teradyne

[Teradyne](#) (NYSE:TER) is a leading supplier of Automatic Test Equipment used to test semiconductors, wireless products, data storage and complex electronic systems which serve consumer, communications, industrial and government customers. In 2013, Teradyne had sales of \$1.43 billion and employs approximately 3,800 people worldwide. For more information, visit www.teradyne.com. Teradyne (R) is a registered trademark of Teradyne, Inc. in the U.S. and other countries. All product names are trademarks of Teradyne, Inc. (including its subsidiaries).



Teradyne, Inc.
Jaclyn Wallace, 978-370-1322
Public Relations
jaclyn.wallace@teradyne.com

Source: Teradyne, Inc.