

# TestStation SE™ In-Circuit Test System

Price break through for full capability in-circuit test system

- *No-Compromise In-Circuit Test*
- *Rapid Program Development*
- *Comprehensive Test Tool Set*
- *Low Cost of Ownership*
- *Small Footprint*



**Global  
Solutions  
for  
In-Circuit  
Test**

**T**he TestStation SE™ is a result of over 25 years of experience and leadership in the area of in-circuit test (ICT). It features the technology, proven reliability, and convenience that you have come to expect from Teradyne, and represents the best in-circuit test value at the best price for high-volume electronics manufacturers needing flexibility and adaptability in manufacturing process test. Everything is included with the TestStation SE: computer, software, vectorless testing, and Teradyne's award winning, worldwide network of support and service. All at a price that rivals some MDA's.

TestStation SE provides manufacturers with up to 2560 all-real channels (non-multiplexed – driver/receiver behind each pin), a high accuracy PRISM analog measurement instrument, and in-depth digital test capabilities. The high-density (HDI) fixture interface insures a short distance between board under test and channel electronics,

and is readily adaptable to wireless fixtures. The TestStation SE hardware guarantees high mean-time between failures (MTBF) for production floor reliability. Future models of the TestStation SE will be provided with a number of industry standard fixture receivers for preserving current investments and minimizing transition costs.

The TestStation SE helps drive down the cost of test by incorporating a customer friendly, template driven program development software environment that is easy to use and simple to learn, enabling manufacturers to save days of program development and debug time. To better support manufacturing operations in China, the TestStation SE provides key operator user interface screens in Chinese or English. TestStation SE, a true global solution; one global price, easy-to-use, high reliability, test cost reduction, and backed by a global company, Teradyne.

Test capabilities for the TestStation SE include standard shorts and opens testing; analog value and digital device testing; vectorless opens test using Multiscan™, Teradyne's advanced Victory™ software for reduced access testing; Lightning Card (CC3) facilitates on board FLASH and ISP device programming, including support for the new IEEE 1532 in system configuration standard, player, and optional combinational test using VXI test instruments.

The TestStation SE is fully supported by Teradyne's D2B™ (Design to Build) software suite, featuring D2B Alchemist™, and D2B Strategist™.

- D2B Alchemist is used to translate CAD designs, import bills of materials data, optimize data for selected manufacturing equipment, assign test probe locations and output customized files.
- D2B Strategist™ is a decision-making software solution that enables the deployment of complementary test strategies, across various machines ( X-ray, AOI, Flying Probe, ICT, etc.) and the ability to run multiple "what if" scenarios in seconds.



## General System Features

- PC Based test programming and system control
- Windows NT/XP operating system
- Non-Multiplexed driver/receiver architecture
- Up to 2560 non-multiplexed Channels
- High Performance PRISM DSP based analog system
- Comprehensive MultiScan Vectorless test toolset
- Digital vector testing for SSI, LSI, VLSI
- Victory - Boundary Scan Test suite
- TTL, 3v, low voltage CMOS and ECL logic levels
- Fully synchronized testing of mixed-signal devices such as ADC, DAC and CODECs
- "Language-free" worksheet-based programming
- Easy in-line implementation
- Compact footprint
- Industry Standard Fixture Receivers available on selectable TestStation SE models
- In Line Device Programming Capability for programming Flash, EEPROM and FPGA's
- Advanced ILDP Programming using Lightning™
- Teradyne D2B compatible with Strategist and D2B Alchemist
- Functional System upgrade option with internal VXI Card capability



Because Technology Never Stops

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