

TestStation™ Multi-Site Offline

Up to 4x Greater Productivity for a Lean & Agile Work Cell

TESTSTATION

Expand Test Capacity

Teradyne's TestStation Multi-Site test systems deliver two to four times greater test productivity compared to conventional single site systems. TestStation Multi-Site systems expand test capacity and productivity while **reducing** test floor space and site power requirements.

TestStation Multi-Site models support a full range of MDA, ICT, and functional production test capability and shares common software and hardware of the TestStation system platform.



TestStation Multi-Site
Offline



TestStation Multi-Site
Model 52

FEATURES

- Multi-Site test architecture
- A system footprint that is 40% less compared to an equivalent conventional system
- Easily configured to deliver simple Analog-Only, In-Circuit, and System Level Test
- True parallel test architecture
- "Copy-Exact" test results world wide

BENEFITS

- 2 to 4x greater throughput vs. conventional single site systems
- One-third the AC power provisioning of full-sized alternatives
- 50% lower fixture, operator & maintenance costs
- One TestStation Offline replaces 2 to 8 full-sized testers
- Simple maintenance and support

Faster

Teradyne's new TestStation systems feature a **Multi-Site** test architecture for true parallel or asynchronous production test of panelized boards and multiple assemblies. The system's ability to test multiple boards concurrently ensures that circuit board test is never a production bottleneck.

Each test site operates independently for unprecedented parallel test throughput gains - all while retaining the program development and debug ease-of-use of a single test system.

Resource-Optimized Design

The key to the multi-site test architecture is intelligent resource allocation. Test electronics for each site are close to the test interface, ensuring short signal paths to test instrumentation. Common cooling, power and infrastructural elements that support all the test sites reduce the systems physical size and cost.

With their high-density design, TestStation systems may be configured over a wide range of pin counts, automation, and test options to meet every production test requirement.

Small, Powerful Offline Systems

TestStation Multi-Site offline systems reduce the size and energy consumption of ICT. Fully configured systems can occupy under a square meter, of floor space and require 60% less power provisioning of their conventional peers.

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System Specifications

Standard Features & Options

Base System	<ul style="list-style-type: none">Synchronized analog & digital subsystemsStandard or high density optionsAll pins utilize parallel drive & sense capability
Hardware Options	<ul style="list-style-type: none">Flexible power supply packageFlexible pin board options
Interface Options	<ul style="list-style-type: none">Cabled interface to connector pin out (Pylon/Molex)Bed-of-Nails interface for mechanical fixtures (optional)Vacuum (optional)
System Requirements	<ul style="list-style-type: none">AC Power EUR 230V/16A single phase, NAM 220V/16A -2 phaseCompressed airVacuum (40 cfm, 1.13 cubic meters/min)Footprint - 0.84m² (600mm W x 1400mm L)
System Software	<ul style="list-style-type: none">Windows 7 supportTest/Debug system softwareFlash ISPThroughput optimizerSafeTest TechnologiesFactory Control InterfaceMulti-Site softwarePanel test softwareVariant handling software

Available Configurations

Multi-Site Offline

Model 51	1 test site	2560 max pins
Model 52	2 test sites	5120 max pins

Power Supply Options

Programmable supplies designed for use in series or parallel for higher voltages and currents. Choose up to 4 of the following:

Programmable	Alliance 2G; 0-7V @ 15A
Programmable	Alliance 2G; 0-20V @ 8A
Programmable	Alliance 2G; 0-60V @ 2.5A
Fixed	Alliance 2G; +5V @ 6A,

Pin Board Options

Choice of multiplexed or non-multiplexed pin board options. Choose up to 5 of the following:

121	Mix/Match with 121 Analog Only
121 Analog Only	Mix/Match with 121
124	Mix/Match with 128L
124L	No Mix/Match
128L	Mix/Match with 124, 128HD
128HD	Mix/Match with 128L



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