

TestStation™ Multi-Site Offline

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

Expand Test Capacity

Teradyne's TestStation Multi-Site test systems deliver 2 to 4 times greater test capacity 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 two, three, four or more 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.

System Specifications

Standard Features & Options

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| Base System | <ul style="list-style-type: none"> Synchronized analog & digital subsystems Standard or high density options All pins utilize parallel drive & sense capability |
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| Hardware Options | <ul style="list-style-type: none"> Flexible power supply package Flexible pin board options |
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|-------------------|---|
| 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) |
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|---------------------|---|
| System Requirements | <ul style="list-style-type: none"> AC Power EUR 230V/16A single phase, NAM 220V/16A -2 phase Compressed air Vacuum (40 cfm, 1.13 cubic meters/min) Footprint - 0.84m² (600mm W x 1400mm L) |
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|-----------------|---|
| System Software | <ul style="list-style-type: none"> Windows 7 support Test/Debug system software Flash ISP Throughput optimizer SafeTest Technologies Factory Control Interface Multi-Site software Panel test software Variant handling software |
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Available Configurations

| Model | Site Count | Pins per Site | Pins per System |
|------------|--------------|----------------|-----------------|
| Offline 51 | 1 test site | 2560 max. pins | 2560 max. pins |
| Offline 52 | 2 test sites | 2560 max. pins | 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:

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|--------------|---------------------------|
| 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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