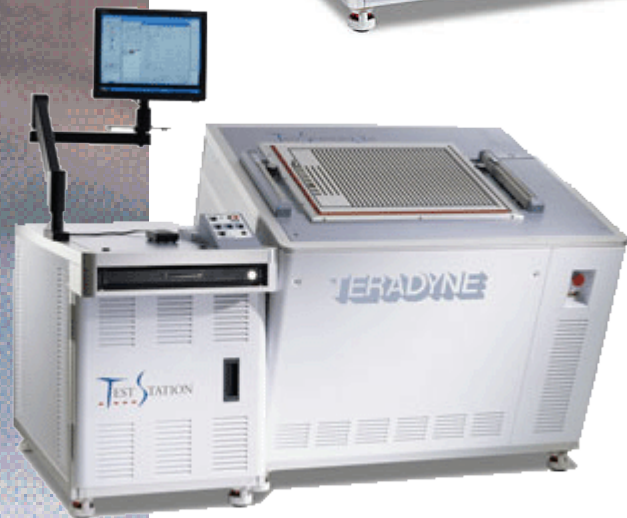
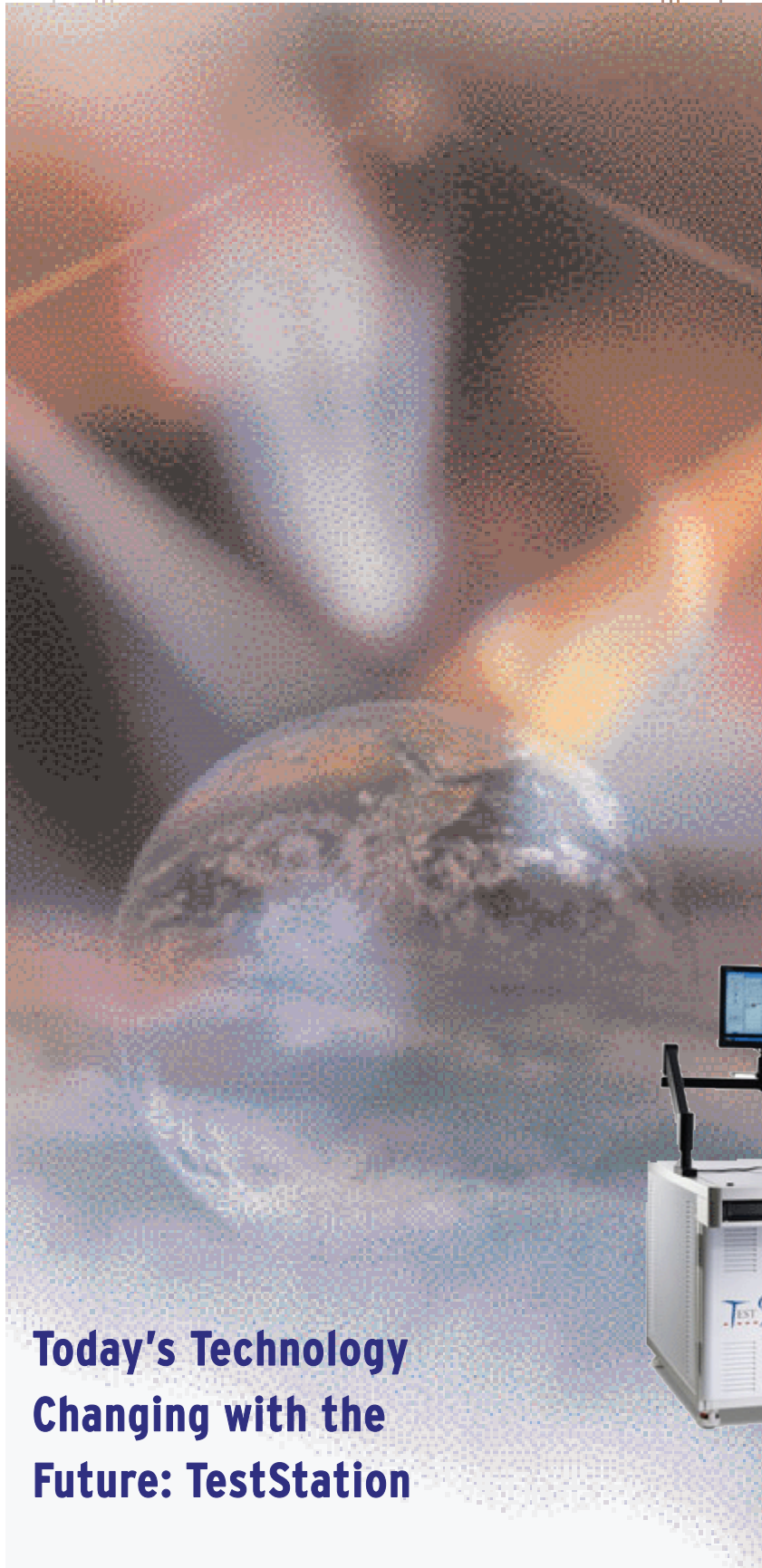


TERADYNE

BECAUSE TESTING MATTERS

TestStation™ Test Systems



**Today's Technology
Changing with the
Future: TestStation**

TERADYNE



TestStation Key Features

- Delivers the industry's most advanced production test environment, including the highest fault coverage.
- Offers flexibility in configuration and upgradeability. Buy only what you need today, upgrade in field tomorrow.
- From 256 to 7,680 test pins.
- TestStation UltraPinII is the industry's most capable digital ICT pin on the market today.
- UltraPinII has the industry's most accurate digital Drivers and Sensors (D/S) for testing low-voltage technologies.
- UltraPinII has patented backdrive current sensing and reporting features which can detect marginal device faults and improve test program reliability.
- Available in multiplexed and non-multiplexed configurations.
- Real pin configuration supports 3,840 real D/S pins.
- Capable of testing large, complex, and heavily integrated PCBs for many different industry applications.
- Supports in-circuit programming of ISP and Flash devices.
- Web Access to Real-Time Statistical report information such as board yield, tester idle time and throughput.
- Ergonomically designed for optimum operator efficiency; easily integrated into automated production lines.

A Tester You Can Live with Today and Everyday

Everyday, printed circuit board manufacturers must meet the challenges of a demanding marketplace while facing the risks of test equipment obsolescence. Printed circuit board testers that meet today's manufacturing needs may not match future testing requirements. Regardless of time and effort spent in research, yesterday's good investment might become tomorrow's miscalculation.

Until now.

TestStation Test Systems

TestStation™, Teradyne®'s revolutionary in-circuit test system, meets the challenges and overcomes the risks of today and the future. By inheriting the best elements of its well-known forerunner, 228X, TestStation systems effortlessly re-utilizes your past investment in 228X technology. By eliminating future risk and obsolescence, TestStation systems offer extraordinary flexibility, field upgrade-ability, and the ability to grow with your company's demands.

A Heritage of Technical Innovation

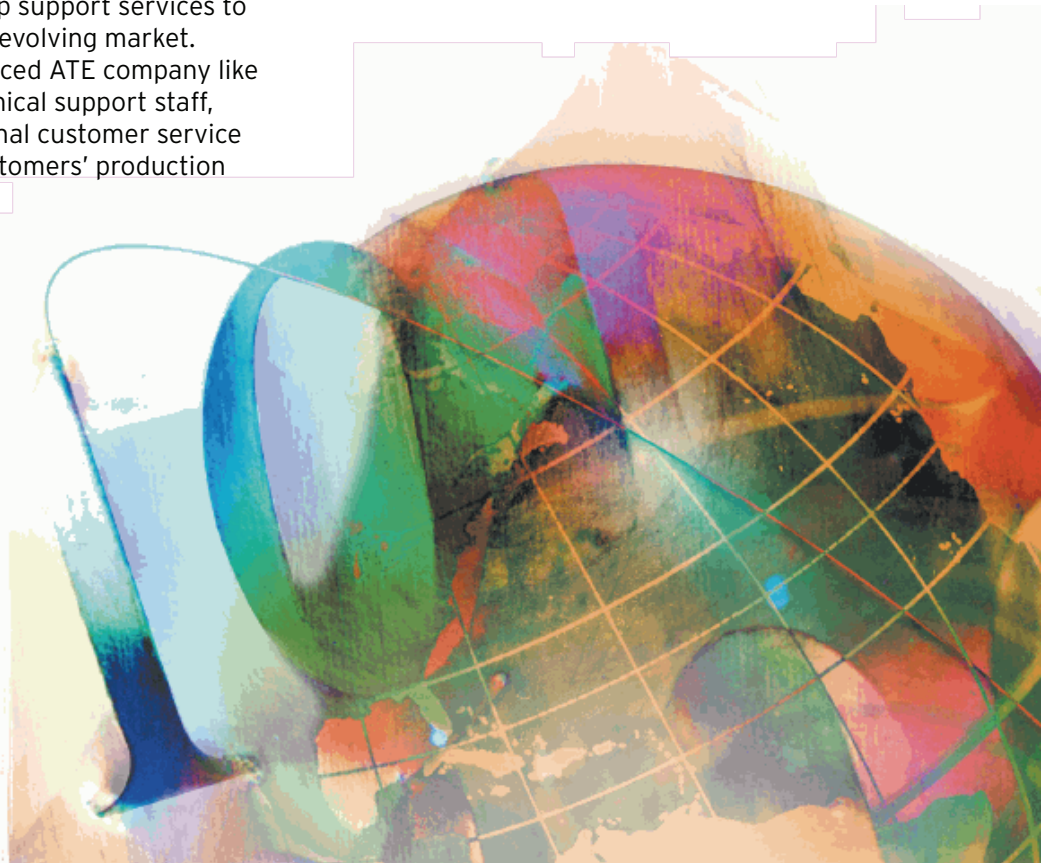
Precision engineering and technical innovation are at the heart of Teradyne's heritage. Many of our test innovations have helped shape today's industry standards. As we build upon our tradition and dedication to ATE leadership, Teradyne continues to improve its world-class products and develop support services to meet the test needs of our ever-evolving market. Working with a mature, experienced ATE company like Teradyne – with worldwide technical support staff, training programs and professional customer service organizations – is key to our customers' production goals.

Today's TestStation is Also Tomorrow's

Developed with past compatibility and future expandability in mind, TestStation now makes tester obsolescence a thing of the past. TestStation is designed to accept any valid combination of UltraPinII sensor pincards. These pincards can be combined with instruments such as the Analog Functional Test Module, Deep Serial Memory, Vehicle Control Interface, and System Frequency and Time meter to perform complex combinational tests. Your GR228X test programs will also run on TestStation, with no changes and no reprogramming.

As business and production demands grow and change, TestStation re-invents itself to match present needs. Manufacturers simply add additional resources to get up to 7,680 nodes or upgrade to the next generation pin electronics, right on their own factory floor, just in a matter of hours. Purchasing only what is necessary reduces investment costs and brings a faster return on investment than any other test system now available.

TestStation is designed to handle the most advanced technologies with high throughput, fast time-to-test, time-to-volume and time-to-market, plus enhanced diagnostics, TestStation is the system of choice for any manufacturer. And without the worry of obsolescence or inadequate equipment, TestStation virtually becomes the last tester you'll ever need to purchase!



Flexibility

TestStation can be configured with Teradyne's extensive range of driver/sensor pincards. These cards provide the flexibility to configure a system that achieves the highest level of fault coverage with minimal financial investment. Teradyne understands that not all test requirements are the same, so the TestStation family is scalable to achieve the level of test coverage and throughput performance you choose.

TestStation can perform ISP and Flash programming continuing its long tradition of adding value to the manufacturing process .

Intuitive Software and Programming Environment

The TestStation family of in-circuit test systems is powered by software designed with the user's testing needs in mind. Built on standards such as Windows®, object-oriented databases, and modern Windows "look and feel," Teradyne's commitment to developing intuitive software means faster time to test and less time spent in learning the software. Newly developed Graphical User Interfaces (GUIs) allow users to customize the software to their skill level or preference, eliminating the need to directly edit files. All this, combined with test project management tools to control release to production, links seamlessly with Teradyne's suite of manufacturing acceleration software products such as D2B Alchemist which features a CAD preparation tools.

Teradyne's Test Strategist software determines the optimal test and inspection strategy for electronics manufacturers and real time shop floor line management software.

The non-multiplexed pin board option can be used to configure an all-real pin in-circuit system to provide faster debug, faster fixture development, and easier ECO implementation. As an all-real pin system, users do not have to worry about selecting tester nails that could cause a multiplexing conflict, thus accelerating debug, fixture development and ECO implementation. TestStation brings you directly to a failing pin rather than a failing device on a board, or area of a board.

Teradyne's Worldwide Network of Service and Support

Every Teradyne product is supported by a dedicated worldwide network of customer service and support professionals. With regional support and training centers located around the world, Teradyne offers local support and continuous training for all our customers. A full spectrum of services and customer support programs extends beyond the expiration of your original warranty.



**2000 Vision Award Winner – Best New Product in the *Category Testing*.
Presented by SMT Magazine for innovative products and services in the
Surface Mount Category**

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