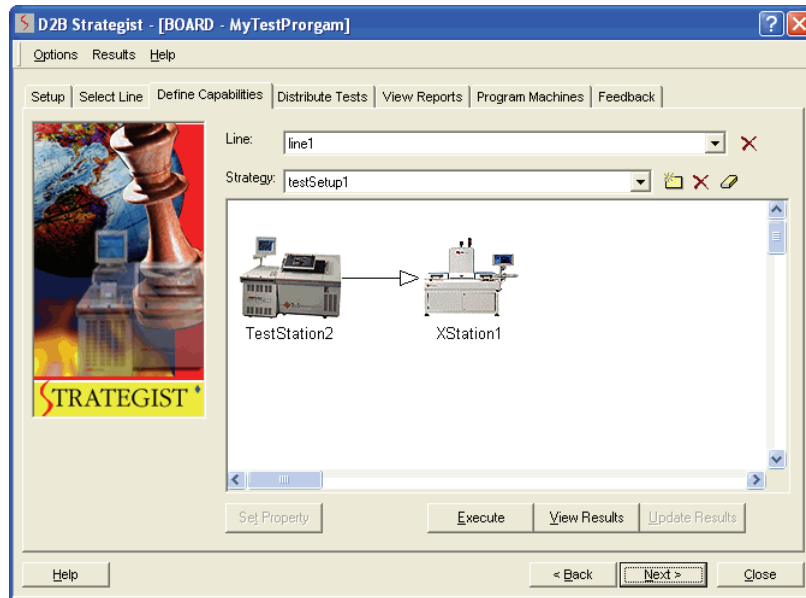


# D2B Strategist™

Test & Inspection Strategy Management Software

## Key Features:

- Accelerates new product introduction by optimizing test strategies early in the design cycle
- Enables Users to reduce the cost of test by helping to define the most efficient test and inspection strategy
- Improves product quality by identifying potential defect escapes and provides the tools to define the strategies needed to eliminate the identified escapes
- Provides test feedback on all Teradyne test and inspection platforms
- Maximizes flexibility by supporting Teradyne and non-Teradyne equipment



D2B Strategist allows users to develop optimized test strategies based on existing or proposed test and inspection systems

In today's world of electronics manufacturing there is ever increasing pressure to shorten time-to-market, increase quality and reduce cost. Test strategies can be leveraged to provide organizations with significant advantage by improving the efficiency of the test process. Effective test strategies can also be used to gain advantage in a competitive environment by driving cost reductions and improving performance through the entire product life cycle - from design through new product introduction, into manufacturing, and service.

Developed on our new D2B™ (Design-to-Build) architecture, D2B Strategist™ software is an innovative solution that provides groundbreaking analysis and reporting to maximize the return from existing test and inspection assets, and assists in making better decisions regarding future test and inspection invest-

ments. D2B Strategist software is the ideal tool for developing successful strategies that identify the right amount of test, at the right cost, to produce the highest yield.

Teradyne platforms and D2B Strategist software enable manufacturers to standardize test and inspection strategies, and implement and monitor the optimized strategy globally. Strategist does this by providing manufacturers with valuable data on optimized test strategies such as identified escapes, overlaps, test time, and yield, and allows users to further optimize strategies with their actual DPMO (Defects Per Million Opportunities) data. The information generated by Strategist allows manufacturers to pinpoint test effectiveness, lower capital investment, and improve performance on current test and inspection equipment.

## Optimized, Cost-effective Test Strategies

D2B Strategist software is a powerful scenario-building tool that provides insight into optimal test strategies, test times and yields, along with calculating the effectiveness of a desired test strategy to find defects. Strategist verifies these predictive strategies by measuring actual results on Teradyne test and inspection platforms. D2B Strategist also provides a vehicle to communicate quality expectations and resolve test coverage concerns with all departments involved in determining the optimized test strategy. D2B Strategist further decreases new product introduction time by distributing test and inspection between 2D and 3D X-ray inspection, automated optical inspection, in-circuit test, flying probe test, manufacturing defect analyzers, and boundary scan test equipment.

D2B Strategist's flexibility enables the deployment of complementary test strategies and the ability to run multiple "what if" scenarios. Users can develop optimized test strategies based on existing test and inspection systems, and can model the impact of adding inspection systems to further develop the best, most cost-effective test strategy. Strategist does not require connection to target test or inspection systems in order to generate test and inspection strategies.

The user interface of D2B Strategist allows users to graphically create a test and inspection line, placing the various types of equipment in any order. Machine types can be tailored to represent specific models. Users may further customize the analysis by setting the number of available test points on a machine-by-machine basis, allowing the user to input their actual

DPMO data. Strategist then calculates test effectiveness by predicting and measuring yield, test time, and actual fault coverage for the selected test and inspection platforms. The resulting scenarios generate test strategies with the highest fault coverage at the lowest costs. The optimized test strategy is then embedded in the exported test and inspection files, reducing the time required to program and debug new programs.

D2B Strategist is unique, as it addresses the challenges of manufacturing today's complex products with limited physical test access, by providing the capability to optimize fault coverage and throughput prior to the signal routing stage of printed circuit board design. D2B Strategist software accelerates time-to-market, time-to-volume and time-to-profit by optimizing test and inspection designs prior to the manufacturing cycle.

D2B Strategist software is a part of Teradyne's Design-to-Build suite of software solutions that enable electronic manufacturers to accelerate designs into manufacturing, and out to market faster than any other design-to-build software solution in the marketplace today.

## Teradyne's Worldwide Network of Service and Support

A dedicated, worldwide network of customer service and support professionals stand behind every Teradyne product. With regional support and training centers located around the world, Teradyne offers local support and continuous training for all its customers.

## For More Information

For more information on our Design-to-Build suite of software solutions, please go to [www.teradyne.com](http://www.teradyne.com).



*D2B's Modular Framework*



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