

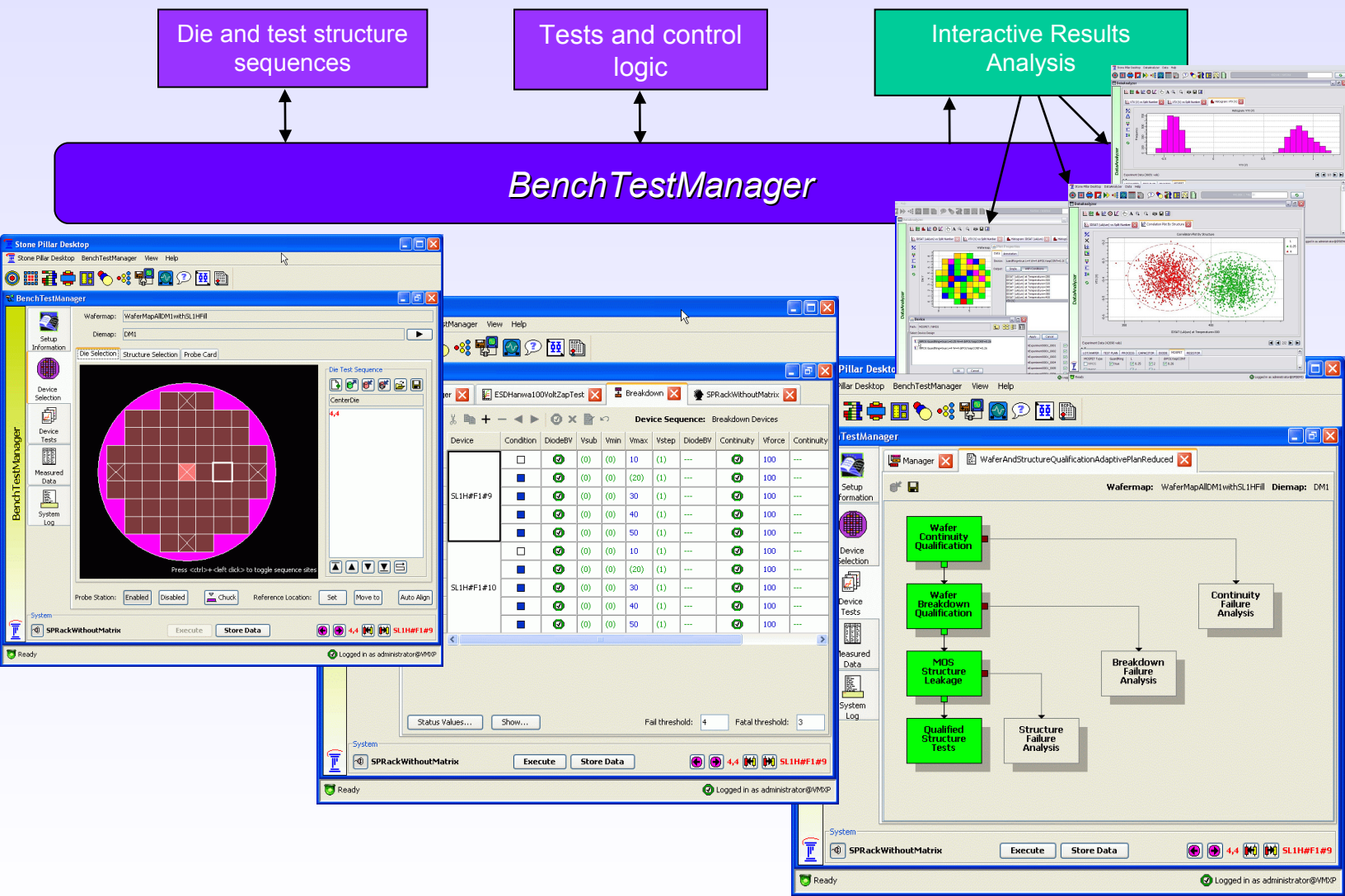
Stone Pillar BenchTestManager

Database driven bench test automation system

Stone Pillar BenchTestManager offers a complete, integrated system for creating test structure sequences, applying tests to these structures, and branching the tests to be performed, based on initial results. Unlike most test systems that require the user to be present at the test bench to create the test sequence, Stone Pillar BenchTestManager allows the user to prepare nearly all the details of the testing from any networked computer. Users need only occupy the test equipment while the actual tests are being performed, and then perform the results analysis at their desk rather than continuing to tie up the test bench.

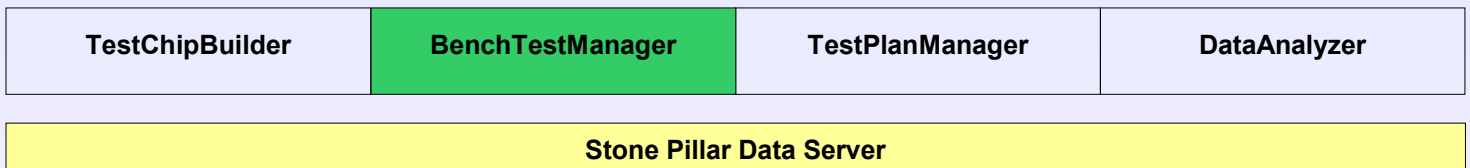
Because the test sequences, the tests, and the results are all automatically stored in the Stone Pillar Data Server, users can easily access, compare, and interactively analyze test results from multiple sessions, across multiple days, on multiple wafers. These same details can be accessed in order to select only previously untested die or devices when creating followup test sequences.

With BenchTestManager, you can easily set up test sequences to perform initial spot testing, and detailed tests that are applied only if the wafer meets the initial qualification criterion. Or, use the structure qualification capabilities to perform preliminary tests on a complete set of devices and then, based on the initial test results, automatically prune the device list to only the qualified designs for more comprehensive testing.



BenchTestManager Features

- Create test structure sequences and die sequences from any networked computer using simple GUI
- Select previously untested devices or die based on information automatically stored to the database during any test runs
- Parameterize tests for maximum re-usability
- Drag and drop tests onto the device sequence to create complete test flows in a matter of minutes
- Add control logic to pare tests to qualified devices designs only
- Automatically drive your probe station and tester using BenchTestManager
- Combine test flows into complete test plans with control logic
- Set up test plans that qualify wafers before performing exhaustive testing
- Set up plans to qualify device designs and then perform complete tests only on promising designs
- Automatically store complete test information including device design, die and wafer location, test inputs and test results so that all details are available for subsequent interactive data analysis
- Interactively analyze test results across multiple test sessions and multiple wafers from your desk, not the test bench
- Reduce errors in test plan and test flow creation
- Dramatically speed test creation and reduce tester bottlenecks
- Integrated with complete Stone Pillar Suite for technology development



About Stone Pillar Technologies

Stone Pillar Technologies provides enterprise software solutions for Process & Device Technology Development and Characterization.

Stone Pillar Suite provides a complete, broad-span, information management system focused on solving problems in semiconductor process & device development.

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