

## **STILink – New STIL API, now fully covers STIL extension 1 and 0**

**Tel Aviv, Israel, January 12, 2006** - As part of Test Insight's strategy for implementing total integration between design and test environments, the company announced today that STILink, its API (Application Interface) to STIL (Standard Test Interface Language), provides full support for STIL - IEEE Standard 1450.0™ and 1450.1™.

### **Background:**

At present, test and design engineers are required to a special process of converting files generated by the ATPG environment into the file formats that are accepted by the tester. This need for conversion process causes for a delay, due to the process period itself, and also causes some of the data to be corrupted in the course of conversion – which later creates uncertainty regarding failures of tests on the tester, and consequently also leads to a waste of valuable time.

ATE and EDA companies both, as well as the STIL Users Group, are trying to find ways to avoid this step in the process. Test Insight's STILink application, developed with the technological cooperation of ATE and EDA companies, now provides a substantial part of that solution.

### **About STILink:**

STILink is a software solution that offers an easy, convenient and efficient access to all parts of the test data – thus saves time, improves methodological efficiency, and simplifies the working process.

The tool enables access and fast read/write to STIL data. In addition to covering extension 0 (1450.0) STILink now also fully covers extension 1 (1450.1), that was accepted by IEEE late 2005. Extension 1 added some significant complexity to the 1450 standard,- STILink now enables utilization of that extra sophistication in the IEEE 1450 standard.

Using this tool, the user only has to customize the data, without having to deal with the internal structure of the language and formats. It is then a simple task for him to add external modules to the tool, for any purpose, in the knowledge that all matters of reading, writing and data representation, and all aspects of access to STIL are handled by STILink.

STIL data is stored in data objects and is immediately accessible via API. The Patterns themselves are not loaded into the memory, but are processed dynamically. This approach addresses the main issue: handling large patterns effectively, while allocating a minimal amount of memory. The STILink user is able to define his own processing methods.

STILink is C++ based: and, as a result, enjoys all the power and flexibility of the object oriented approach. The C++ structure also means that multi-threaded operations are available. This means that more than one instance / file can be processed at any given point in time.

STILink provides a library with a variety of computing platforms.

### **Summery:**

Access to the raw data of STIL is not valid for tester usage 'as is'. Issues such as Variables, WFC mapping and Loop subroutines need special handling. This is the reason that STILink is a break through in its field – it allows ATE and EDA companies an easy access to and from the STIL file's raw data and help them focus on their main functionality.

The tool is mainly suitable for:

Automatic Test Equipment (ATE) providers  
EDA tool providers  
Device test house  
Device design house

#### **About IEEE 1450.1**

Please visit the IEEE site at <http://www.ieee.org>

#### **About Test Insight Ltd.**

Israeli-based Test Insight Ltd. has the advantage of many years of test engineering experience, when providing its innovative software tools, which allows seamless integration between device design and test. Using state-of-the-art processes, Test Insight software tools enable engineers to perform better work, more easily and more accurately. Test Insight has teamed with two of the major ATE companies, Agilent and Teradyne, with which it has an OEM agreement. This business model allows Test Insight to focus on software development, and to design format compliance and tester features support, while providing world-wide support, through its partnership with the ATE companies. Thanks to its vast test engineering experience and cutting-edge sophisticated software development, Test Insight products and technology stand out in quality and performance. For further information, please visit [www.testinsight.com](http://www.testinsight.com)