

ASTER Ingenierie and Router Solutions Incorporated Announce first combined Test Strategy Solution

**Complete Electrical and Physical Design For Test strategy solution is available from
ASTER Ingenierie and Router Solutions Incorporated**

For Immediate Release:

Newport Beach, California, USA/Cesson-Sévigné, FRANCE. ASTER Ingenierie and Router Solutions Incorporated announce the first Design for Test (DFT) strategy solution in the market that combines electrical and physical DFT analysis based on schematic and Electronic Computer Aided Design (ECAD) data. These products will be showcased at the Electronica tradeshow in Munich, Germany, from 9th to 12th November 2004.

This new solution provides unique capabilities for customers of both ASTER's TestWay™ product and Router Solutions Incorporated's CAMCAD™ Professional to perform complete electrical and physical Design for Test. When used together TestWay and CAMCAD complement each others strengths. Our customers now have the ability to perform test analysis on Printed Circuit Board (PCB) designs and use that information directly in the development and implementation of manufacturing test and inspection strategies. TestWay provides electrical DFT analysis that can be used by CAMCAD Professional to enhance our customer's ability to create optimized test and inspection programs. Conversely, CAMCAD Professional's physical DFT analysis of ECAD data can be used by TestWay to calculate the overall fault coverage based on different test strategies. These include using any combination of the following test and inspection capabilities: In-Circuit Test (ICT); Automated Optical Inspection (AOI); Automated X-Ray Inspection (AXI); FPT (Flying Probe Test); BST (Boundary Scan Test); and Functional Test (FT). Once a specific strategy has been selected this information can be used by CAMCAD Professional to create the corresponding tester input files to accurately reflect the strategy our customer has defined.

Traditionally, DFT has been a manually intensive task that typically took place late in the design cycle after layout decisions have been made when there is effectively no chance to make corrections and improvements in test coverage and product testability. Our combined solution automates the analysis of schematic and ECAD data; allowing quick, complete, and effective analysis to be done early in the design cycle. The results of the analysis can then be used to provide feedback to the design team for product improvements and ultimately create a complete test and inspection strategy. With this combination of analysis capability that TestWay and CAMCAD provide, our customers can significantly improve their time to market, supply complete electrical and physical DFT analysis and feedback during the early design cycles, lowering overall cost of test, while improving manufacturing yields.

Christophe LOTZ, Director of the ASTER product division said, "TestWay combined with CAMCAD minimizes test redundancy in the manufacturing test and inspection line while increasing total test coverage. This results in higher quality product at a lower cost per board: up-to 80% of savings in bed-of-nail cost or test time."

Dino Ditta, President of Router Solutions Incorporated, added "Our customers can now benefit from analysis, creation and implementation of complex multi-vendor test strategies by collaborating with designers early in the PCB lifecycle to create layouts that are optimized for assembly, test and inspection".

About ASTER Ingenierie

ASTER is the leading supplier in Board-Level Testability analysis tools which capitalizes on our proven expertise in board testability and strong customer relations. Founded in 1992, ASTER develops a wide range of products dealing with PCB Testability, Viewing and Quality Management. TestWay is a proven solution at many PCB design and manufacturers worldwide that provides a unique approach to take into account electrical testability requirements early in the design chain. For more information about the company and its solutions, please visit www.aster-ingenierie.com or call ASTER at +33 299 83 01 01

About Router Solutions Incorporated

Router Solutions Incorporated enables the use of ECAD data from product concept through delivery. Founded in 1986, RSI has developed a range of applications for viewing, editing, analyzing and converting PCB design information into a common format for use throughout the design and manufacturing functions. With an emphasis on data preparation and analysis, RSI tools provide fast, efficient and robust methods of ensuring that complete and accurate data is made available targeting the electronics design and manufacturing environment. Advanced analysis tools including Design for Manufacturability (DFM) and Design for Testability (DFT) enable time and cost savings with problem detection prior to production. RSI technology is employed across a wide range of electronics market segments. RSI partners with several leading OEM suppliers who embed and utilize RSI products to enhance their ECAD capabilities. Additionally, thousands of fully-integrated manufacturers as well as EMS providers use RSI's flagship product, CAMCAD, around the clock, through-out the world, in mission critical applications. For more information about the company and its solutions please visit www.rsi-inc.com or call RSI at 1-949-737-4567.