

Machine Vision Products Demonstrates Microelectronics and Packaging Inspection Capabilities of the Ultra 850G AOI at Semicon West 2010

Carlsbad, CA: Machine Vision Products today announced it would be demonstrating the Ultra 850G Semiconductor, Packaging and MicroElectronics AOI solution at the Semicon West 2010 exhibition. The exhibition is at the Moscone Center in San Francisco from July 13-15 2010. Machine Vision Products are exhibiting at **booth #6362**.



MVP has a proven track record of success with a broad range of applications across Microelectronics and Packaging covering commercial, medical and defense based devices.

With sales of over 100 Ultra 850G systems in the last 24 months MVP has asserted its position as a total solutions provider. The Ultra 850G is the latest addition to MVP's industry-leading line of Automated Optical Inspection tools. The system is configurable to be deployed in all aspects of the packaging, die or microelectronic processes to provide full die metrology, full BGA ball metrology, and full 3D inspection. Using unique combinational 2D and 3D technologies the Ultra 850G can also provide inspection for both Wire Bond and Wire Loop Height. With resolution and repeatability a critical factor, the Ultra 850G can be configured to provide 1um pixel size.



Flexible, Accurate and High Performance Applications Toolbox

Performance Led SMT Inspection	Full Die Metrology	Full BGA Ball Metrology	Full Wire Bond Inspection	Full 3D Inspection	Full Traceability
Full Component Metrology	Die Placement Accuracy	Coplanarity and Ball Height	Wire Position	Paste Volume	Complete Line Management
Full Solder Coverage	Die Tilt	Ball Offsets in X and Y	Bond Shape	Height Measurements	Real Time Feedback
Full Lifted Lead Coverage	Die Edge Cracks	Missing Ball	Bond Connectivity	Paste Translation	Intuitive Repair Network
Polarity and Part Markings	Epoxy Volume, Flow and Spread	Damage and Coining	Bond Position	Stencil Offset	Part Routing
Rotation Measurements	Foreign Materials & Solder Splatter	Edge and Surface Inspection	Custom Measurements	Easy Gerber Import	Full SPC

The Ultra 850G integrates MVP's easy-to-use programming tools and analytical process control tools in this platform. This convergence of technology from Machine Vision Products, Inc. delivers the best available combination of defect detection capabilities, metrology for process control and inspection throughput at a low cost of ownership.

The 850G is now specified with additional options for loading and unloading stations. Configuration options for each of these stations include, Jedec trays and strip handling.

Dr George T. Ayoub remarked "I firmly believe that MVP provides a most complete and robust set of inspection capabilities, covering many applications in electronics manufacturing, by utilizing our

expansive applications toolbox. With an unsurpassed price/performance ratio, MVP will continue expanding into the microelectronics market with cutting edge products.

MVP continues to lead the global inspection arena by developing all of their product offerings. This provides a much better cost structure to the end user. Additionally, because all development is performed in-house, the support structure is second to none. With over 15 years of leadership, MVP is taking multiple steps to continue to provide the overall lowest cost of ownership when compare to any competitor globally. For additional information on this unique solution, please visit us at www.machinevisionproducts.com or visit us at **booth #6362** at Semicon West 2010 where we can discuss your application requirements.

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About Machine Vision Products, Inc.

Machine Vision Products is a market innovator and leader in imaging technologies for Surface Mount, Microelectronics and Packaging Technologies. Machine Vision Products provide solutions for both commercial and military applications. Machine Vision Products operate globally with direct operations in the US, China, Malaysia and the UK, with additional representation in countries throughout North America, Europe and Asia.
www.machinevisionproducts.com