Data I/O Corporation to Display PS588 With Second Generation 3D Coplanarity Vision System at IPC APEX Expo

The Associated Press

Data I/O Corporation (NASDAQ: DAIO), the leading provider of manual and automated device programming solutions for electronics manufacturers, will display the PS588 with a second generation 3D coplanarity vision system at IPC APEX Expo February 19th - 21st, 2013 at the San Diego Convention Center in California.

Trusted to meet the highest quality standards from the most demanding customers in automotive, military, aerospace and healthcare, Data I/O's second generation 3D coplanarity vision system ensures these standards are met with enhanced performance and ease of use at a 30% reduction in cost.

Routine handling of semiconductor devices can result in bent leads and coplanarity problems causing soldering joints to fail during manufacturing. As device lithography continues to become smaller and smaller, the level of precision needed to measure the leads and ensure they are within tolerance becomes that much greater. After a device is properly programmed the 3D vision system measures the leads of each device to ensure they are within specified tolerances before placed in output media.

Automotive manufacturers achieve the highest production yield and process efficiency for programming mission critical devices by integrating 3D coplanarity vision system with the PS588 high speed automated handler. This drives down the risk of product failures caused by manufacturing and handling defects.

"Our highest priority is to ensure all components and products work reliably in the field. To accomplish this, it is essential only devices programmed with the correct software and free from manufacturing defects are placed onto the circuit boards," states Thomas Koepp, Test Engineer, Johnson Controls. "3D Coplanarity vision inspection measures the x, y and z axes of the leads on a device to proof them against set acceptance specifications and criteria. Integrating 3D vision inspection with the programming process provides the highest production yield and process stability."

"We see an increase in Flash memory and microcontroller devices for the automotive, medical, and military/aerospace industries where the cost of product failure is high," states Anthony Ambrose, President and CEO of Data I/O Corporation. "Enhanced 3D Coplanarity is the latest in a series of innovations from Data I/O to enhance production quality, yield and reliability. We are proud that leading global companies trust our solutions to ensure for the exceptionally high quality standards

required during the manufacturing process of mission critical products."

In addition to integrating 3D coplanarity, Data I/O offers a comprehensive suite of software applications designed to meet the most demanding quality requirements including version control, Factory Integration Software, enhanced statistical process control, advanced serialization and more.

About Data I/O Corporation

For 40 years, Data I/O Corporation has been the world leader in the manufacture, distribution and service of innovative solutions for programmable devices. Since 1972 Data I/O has developed innovative solutions to enable the design and manufacture of electronic products for automotive, medical, wireless & consumer electronics, industrial controls, military/aerospace. Today, our customers manufacture tens of millions of products each year using Data I/O programming solutions to reliably, securely, and cost-effectively inject their Intellectual Property into programmable devices. And for the future, virtually every new electronic product produced by OEM, ODM, or EMS facilities represents another potential customer for Data I/O solutions.

In collaborative innovation with our customers, Data I/O provides programming solutions for devices in any package, whether programmed in a socket or on a circuit board. Our expertise in programmable integrated circuits, global supply chain processes, and IP management and protection helps bring innovative new products to life. These solutions are backed by a global network of Data I/O support and service providers, assuring success for our customers.

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