



For Immediate Release:

## **Prepare for Success: ScanINSPECT VPI Gives Production Line a Head Start**

MORRISON, CO October 26, 2005 – Inspect stencils, screens/artwork, boards and components – and correct any mismatches before production starts – with ScanINSPECT VPI from ScanCAD International, Morrison, CO.

ScanINSPECT VPI is an innovative process control tool that qualifies each step of the assembly and fabrication process before production. This stand-alone system couples a high resolution, color flatbed scanner with a dual lighting system to provide a platform that verifies all of the process components before they reach the manufacturing floor. ScanINSPECT VPI is part of a series of process control and monitoring products that combine with a Windows-based computer to minimize the training needed to keep processes under control.

“Things would be better if you were able to check the key ingredients before the job hit the production floor,” said Bill Loving, President, ScanCAD. “Waiting until line changeover is finished not only delays detecting potential problems, it creates unplanned downtime that adds to production costs. That’s the last thing any shop needs given today’s competitive price-sensitive production environment.”

In board assembly operations, ScanINSPECT VPI uses Gerber, CAD or Golden part data to validate board fabrication, stencil cleanliness, paste/adhesive deposition and populated boards. Used as a First Article inspection tool, operators can check line setup before commencing full speed production. The calibrated scanner and dual lighting systems allow inspection of bare and populated boards on the same versatile system.

Production staff can use ScanINSPECT VPI to check holes, slots and artwork and ensure parts from multiple vendors conform to the required shape, position, color and size. They also can use it with stencils and screens to detect stretch, wear, blocked or damaged apertures and ensure that new stencils and screens match the board revision or that cleaning operations are successful. On wet boards, ScanINSPECT VPI can help operators/technicians compare depositions of paste or adhesives to Gerber, stencil or Golden boards.

On bare boards, production facilities can use ScanINSPECT VPI with FR4, ceramic or flex-parts to ensure they match the original artwork design. For First Article Inspection of loaded boards, ScanINSPECT VPI can verify accurate placement of components, device rotation, and that the correct package is in the correct location on the board.

Manufacturing engineers can use ScanINSPECT VPI to build part libraries direct from components without the error prone hand measuring process. New components can be checked against previously stored dimensions to ensure vendor-to-vendor consistency before parts reach the vision alignment systems on their placement machine.

In the hybrid microcircuit industry, ScanINSPECT VPI uses Gerber, CAD or golden part data on each step of an existing or NPI production process to validate design features, compare screens/artwork, verify wet substrate deposition, check loaded substrates and inspect screens for a series of process-crippling faults.

For design, ScanINSPECT VPI checks holes, slots and artwork, by comparing Mylar, diazo and glass chrome to Gerber or golden parts. It also works with wet substrates to compare printed substrates to the original Gerber data or golden parts and with loaded substrates it can be used for First Article Inspection to verify component locations and rotation, package-type and markings. On screens, ScanINSPECT VPI detects stretch, lifted emulsion, wear, blocked or damaged apertures and ensure that new screens match the board revision or that the cleaning operation has been successful.

### ***About ScanCAD International***

Headquartered in Morrison, Colorado and with offices in Michigan and Italy, ScanCAD International utilizes an extensive network of local distributors, manufacturer representatives and OEM channels to support its customer base. Over 900 customers in 39 countries benefit from ScanCAD's scanner based systems designed to detect production problems before they occur, saving rework time and eliminating the costly waste of unnecessary value added processes while leading to a faster ROI.

ScanINSPECT VPI is one of a series of productivity enhancement tools that ScanCAD International offers to the electronics fabrication and assembly industries.

For more information about ScanINSPECT VPI or other ScanCAD products, contact ScanCAD International, Inc. P.O. Box 598, 19181 HWY 8 Morrison, CO 80465 USA, 800-216-9255 or 303-697-8888, by fax 303-697-8580; email: [info@scancad.com](mailto:info@scancad.com) or visit our web site at [www.scancad.com](http://www.scancad.com).

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