Semiconductor International Names the WaferSense(tm) Auto Teaching System (ATS) From CyberOptics Semiconductor, Inc. a 2008 Editors' Choice for Best Product

Wireless Device Obtains Precise Wafer-Transfer Coordinates for Robots to Reduce Wafer Scrap and Equipment Downtime; Device Demonstrated at SEMICON West, North Hall Booth 6461

BEAVERTON, Ore., July 2, 2008 – CyberOptics Semiconductor, Inc. (CSI), a developer of wireless metrology devices for wafer processing equipment, announced today that editors at Semiconductor International magazine have named its WaferSense(tm) Auto Teaching System (ATS) -- which wirelessly measures three-dimensional offsets to teach wafer-transfer positions during processing -- a 2008 Editors' Choice for Best Product.

WaferSense ATS joins a group of "proven products" that "have been acknowledged by their users as providing superior performance and/or capabilities that were not possible with competing tools or materials," according to Laura Peters, editor-in-chief of Semiconductor International, in an announcement yesterday naming the winners. The magazine's annual competition evaluates nominees from various segments of the industry to identify "state-of-the-art" products.

The 2008 Best Product award for WaferSense ATS is the second Best Product award CyberOptics Semiconductor has received from Semiconductor International in the last two years. The company, a subsidiary of CyberOptics Corp. (Nasdaq:CYBE), received a 2007 Best Product award from the magazine's editors for its WaferSense Auto Leveling System (ALS), which measures the inclination and leveling of wafer processing equipment.

CyberOptics Semiconductor's WaferSense ATS is a wafer-like device that uses machine vision technology to capture targets inside process equipment to help engineers reduce wafer scrap, troubleshooting-related downtime and improve yield. The ATS' on-board camera obtains live video and reports in real-time the ATS' coordinates in relation to a target, serving as a more precise alternative to common eyeballing techniques to establish wafer-transfer coordinates.

Process engineers use the ATS to calibrate wafer-handoff equipment to reduce wafer particulate contamination, significantly compress equipment setup and maintenance time and eliminate station-to-station variance.

The ATS is available in 200 and 300 mm form factors and has an accuracy of +/-0.1 mm (X and Y positions) and +/-0.5 mm (Z position) and includes companion TeachView(tm) and TeachTarget(tm) software.

Engineers from CyberOptics Semiconductor will demonstrate WaferSense ATS at this year's SEMICON West at booth 6461 in the North Hall.

"As a company, we've looked at equipment across the fab to see how we can further refine and automate processing and increase yield by dramatically reducing downtime and margins of error," said Dennis J. Bonciolini, CyberOptics Semiconductor's CTO. "Our R&D team and entire company have worked hard to develop metrology products that can immediately improve wafer processing and match the innovation that defines our industry."

CyberOptics Semiconductor will be presented the 2008 Best Product award for its WaferSense ATS at a ceremony at the Westin Hotel in San Francisco during SEMICON West.

The company's ATS will also be featured in the Editors' Choice section of Semiconductor International's July 2008 issue.

The WaferSense ATS package includes the teaching wafer, USB-compatible link, TeachView(tm) and TeachTarget(tm) software CD, charging case and suitcase.

The WaferSense family of products includes the Auto Teaching System (ATS), Auto Vibration System (AVS), Auto Leveling System (ALS) and Auto Gapping System (AGS). Each device follows the processing life of a wafer.

About CyberOptics Semiconductor, Inc.

CyberOptics Semiconductor develops automated products that seamlessly measure critical parameters in semiconductor fabrication processes and equipment. The company's pioneering WaferSense(tm) line includes wireless metrology devices for vibration, leveling, gapping and teaching semiconductor process equipment. The company is the largest producer of reflective wafer-mapping sensors and a leading provider of frame grabber machine vision boards under its HAMA Sensors(tm) and Imagenation(tm) brands. CyberOptics Semiconductor is a subsidiary of CyberOptics Corp. (Nasdaq:CYBE), one of the world's leading providers of process yield and throughput improvement solutions for electronic assembly and semiconductor capital equipment companies. For information, visit http://www.cyberopticssemi.com/, e-mail CSsales@cyberoptics.com or call 800-366-9131.

"Safe Harbor" Statement under the Private Securities Litigation Reform Act of 1995: Statements regarding the Company's anticipated performance are forward-looking and therefore involve risks and uncertainties, including but not limited to: market conditions in the global SMT and semiconductor capital equipment industries; increasing price competition and price pressure on our product sales, particularly our SMT systems; the level of orders from our OEM customers; the availability of parts required for meeting customer orders; the effect of world events on our sales, the majority of which are from foreign customers; product introductions and pricing by our competitors; unanticipated costs or delays associated with the transition of engineering and manufacturing for SMT Systems to Singapore and other factors set forth in the Company's filings with the Securities and Exchange Commission.

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