## **CYBER**OPTICS

## CyberOptics Highlights Best Practices for Detecting Particles in Semiconductor Environments at SPIE Advanced Lithography and Patterning

Minneapolis, Minnesota — April 2022 — <u>CyberOptics® Corporation</u> (NASDAQ: CYBE), a leading global developer and manufacturer of high-precision 3D sensing technology solutions, will exhibit at SPIE Advanced Lithography and Patterning from April 27-28 at the San Jose Convention Center in California, booth #217. During the show, the company will feature the In-Line Particle Sensor™ (IPS™) and ReticleSense® wireless sensors for improved yields and productivity.

An extension of the industry-leading WaferSense® and ReticleSense® Airborne Particle Sensor (APS) technology that is documented by fabs as the Best Known Method (BKM), the In-Line Particle Sensor (IPS) with CyberSpectrum™ software detects particles in gas and vacuum lines 24/7. The IPS quickly identifies, monitors and enables troubleshooting of particles down to 0.1µm.

The IPS can be installed in any gas or vacuum system, and it is particularly relevant for EUVL tools where the ability to monitor particles in-line can significantly improve tool yield and productivity. For example, it can be installed at the vacuum line in between the EUV



process chamber and the vacuum pump, saving significant time compared to current methods. The IPS is always on and collecting particle data, which is especially critical during chamber purging.

Process and equipment engineers in semiconductor fabs can speed equipment qualification with realtime monitoring, compare past and present data, as well as one tool to another. Contamination sources

can be identified quickly and the effects of cleaning, adjustments and repairs can be seen in real-time. Fabs can shorten equipment maintenance cycles, lower equipment expenses and optimize preventative maintenance plans.

CyberOptics will also demonstrate the ReticleSense Airborne Particle Sensor™ (APSRQ™) and the ReticleSense Auto Multi Sensor™ (AMSR™) for wireless leveling, vibration, and relative humidity (RH) measurements.

For more information, visit <u>www.cyberoptics.com</u>.



## **About CyberOptics**

CyberOptics Corporation (<u>www.cyberoptics.com</u>) is a leading global developer and manufacturer of high-precision 3D sensing technology solutions. CyberOptics' sensors are used for inspection and metrology in the SMT and semiconductor capital equipment markets to significantly improve yields and productivity. By leveraging its leading edge technologies, the Company has strategically established itself as a global leader in high precision 3D sensors, allowing CyberOptics to further increase its penetration of key vertical markets. Headquartered in Minneapolis, Minnesota, CyberOptics conducts worldwide operations through its facilities in North America, Asia and Europe.

Statements regarding the Company's anticipated performance are forward-looking and therefore involve risks and uncertainties, including but not limited to: a possible world-wide recession or depression resulting from the economic consequences of the COVID-19 pandemic; the negative effect on our revenue and operating results of the COVID-19 crisis on our customers and suppliers and the global supply chain; market conditions in the global SMT and semiconductor capital equipment industries; trade relations between the United States and China and other countries; the timing of orders and shipments of our products, particularly our 3D MRS SQ3000 Multi-Function systems and MX systems for memory module inspection; increasing price competition and price pressure on our product sales, particularly our inspection and metrology systems; the level of orders from our OEM customers; the availability of parts required to meet customer orders; unanticipated product development challenges; the effect of world events on our sales, the majority of which are from foreign customers; rapid changes in technology in the electronics and semiconductor markets; product introductions and pricing by our competitors; the success of our 3D technology initiatives; the market acceptance of our SQ3000 Multi-Function systems and products for semiconductor inspection and metrology; costly and time consuming litigation with third parties related to intellectual property infringement; the negative impact on our customers and suppliers due to past and future terrorist threats and attacks and any acts of war; the impact of the MX3000 orders on our consolidated gross margin percentage in any future period; risks related to cancellation or renegotiation of orders we have received; and other factors set forth in the Company's filings with the Securities and Exchange Commission.

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