

LG Innotek teams up with AIXTRON technology

Korean electronic components specialist counts on AIX G5 WW system for the development of silicon carbide epitaxial wafers

Herzogenrath/Germany, March 10, 2016 – AIXTRON SE (FSE: AIXA; NASDAQ: AIXG), a worldwide leading provider of deposition equipment to the semiconductor industry, announced today that one of Korea's leading electronics companies, LG Innotek has selected a AIX G5 WW (Warm-Wall) reactor for the development of silicon carbide (SiC) epitaxial wafers aimed mainly at power devices for automotive and renewable energy applications. The system configured for 8x6-inch substrates was delivered in the fourth quarter 2015.

The AIX G5 WW vapor phase epitaxy (VPE) system is based on AIXTRON's production-proven planetary reactor platform giving the largest batch capacity and highest throughput in the industry. The equipment design aims at squeezing production costs to a minimum, while maintaining excellent production quality.

Dr. Minseok Kang, Vice President of LG Innotek and the head leader of the Korea's WPM (World Premier Material) national project for SiC materials development lead by LG Innotek, comments: "We see rising demand for SiC-based systems from major automotive manufacturers. Based on our long-term experience with AIXTRON epitaxy systems, we believe that AIXTRON's G5 WW tool offers unique advantages such as high throughput and yield on 6-inch wafers. Furthermore, we can pre-qualify SiC epitaxial wafer samples using AIXTRON's SiC application lab and we appreciate the outstanding, dedicated SiC customer support package."

"Our AIX G5 WW perfectly matches the industry requirements for high-volume production of SiC-based power electronic devices. We will provide full support to LG Innotek for the quick installation and SiC process qualification of the system", states Dr. Frank Wischmeyer, Vice President Power Electronics at AIXTRON.

LG Innotek is a global specialized materials and components manufacturer and an affiliate of LG Group. The company focuses onto the core material and components of the advanced technology-based industries including Mobile, Automotive, Display, Semiconductor, IoT, and LED. LG Innotek, established in 1970 is headquartered in Seoul.

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PRESS RELEASE



About AIXTRON

AIXTRON SE is a leading provider of deposition equipment to the semiconductor industry. The Company was founded in 1983 and is headquartered in Herzogenrath (near Aachen), Germany, with subsidiaries and sales offices in Asia, United States and in Europe. AIXTRON's technology solutions are used by a diverse range of customers worldwide to build advanced components for electronic and opto-electronic applications based on compound, silicon, or organic semiconductor materials. Such components are used in a broad range of innovative applications, technologies and industries. These include LED applications, display technologies, data storage, data transmission, energy management and conversion, communication, signaling and lighting as well as a range of other leading-edge technologies.

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For further information on AIXTRON (FSE: AIXA, ISIN DE000A0WMPJ6; NASDAQ: AIXG, ISIN US0096061041) please visit our website at: www.aixtron.com.

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