

San'an Optoelectronics qualifies AIXTRON Showerhead Reactor for production of Deep UV LEDs

Novel process chamber design enables enhanced fabrication of high performance Deep UV LEDs

Herzogenrath/Germany, August 01, 2017 – AIXTRON SE (FSE: AIXA), a worldwide leading provider of deposition equipment to the semiconductor industry, announced today that globally leading Chinese optoelectronics manufacturer San'an has successfully completed the qualification of AIXTRON's novel Close Coupled Showerhead (CCS) process chamber designed for the production of Deep Ultra Violet (DUV) LEDs.

The new process chamber is based on AIXTRON'S well proven CCS technology. It is the first commercially available MOCVD reactor that offers the extremely high process temperatures as needed for the production of DUV LEDs. The enhanced chamber performance facilitates cost-efficient high volume manufacturing of DUV LEDs as used for water and air purification. The configuration of 19 x 2-inch wafers represents the largest capacity currently available in the market for this high end MOCVD application.

Dr. Ryan Chuo, Vice President of Technology Center, San'an Optoelectronics, comments: „The new AIXTRON CCS reactor design is a key enabling factor for San'an producing next generation DUV LED products with higher quantum efficiencies and significantly higher output powers. Already being one of the largest suppliers for LEDs, AIXTRON's newly designed process chamber perfectly supports our strategic targets in the area of DUV LEDs to further strengthen our industry leadership. Therefore, we are very pleased to be the first company to qualify and utilize AIXTRON's new reactor kit.“

For further information please contact

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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 optoelectronic 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.

Our registered trademarks: AIXACT[®], AIXTRON[®], Atomic Level SolutionS[®], Close Coupled Showerhead[®], CRIUS[®], Gas Foil Rotation[®], Optacap[™], OVPD[®], Planetary Reactor[®], PVPD[™], TriJet[®]

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

About San'an Optoelectronics

Xiamen San'an Optoelectronic Technology Co., Ltd. is the earliest-founded, largest-in-size and best-in-quality industrialized production base of full-color ultra-high brightness LED epitaxial wafers and chips. It was established in November 2000 with registered capital of 360 million RMB, and is a wholly owned subsidiary company of San'an Optoelectronic Co., Ltd. (stock code: 600703). Being awarded the "Demonstration Project of National High-Tech Industrialization" approved by the National Development and Reform Commission and the "Leading Enterprise of Semiconductor Illuminating Engineering" recognized by the Ministry of Science and Technology, it has undertaken a lot of significant national research projects such as the 863 Program and the 973 Programs. The Company has established a post-doctoral scientific research station and a national enterprise technical center. San'an is the manufacturer in China engaging in manufacturing, developing and selling epitaxial wafer and devices for semiconductor-based lighting, and owns excellent technological basis and facilities necessary for carrying out R&D projects of LED quality of lighting.

Forward-Looking Statements

This document may contain forward-looking statements regarding the business, results of operations, financial condition and earnings outlook of AIXTRON. These statements may be identified by words such as "may", "will", "expect", "anticipate", "contemplate", "intend", "plan", "believe", "continue" and "estimate" and variations of such words or similar expressions. These forward-looking statements are based on our current assessments, expectations and assumptions, of which many are beyond control of AIXTRON, and are subject to risks and uncertainties. You should not place undue reliance on these forward-looking statements. Should these risks or uncertainties materialize, or should underlying expectations not occur or assumptions prove incorrect, actual results, performance or achievements of AIXTRON may materially vary from those described explicitly or implicitly in the relevant forward-looking statement. This could result from a variety of factors, such as actual customer orders received by AIXTRON, the level of demand for deposition technology in the market, the timing of final acceptance of products by customers, the condition of financial markets and access to financing for AIXTRON, general conditions in the market for deposition plants and macroeconomic conditions, cancellations, rescheduling or delays in product shipments, production capacity constraints, extended sales and qualification cycles, difficulties in the production process, the general development in the semi-conductor industry, increased competition, fluctuations in exchange rates, availability of public funding, fluctuations and/or changes in interest rates, delays in developing and marketing new products, a deterioration of the general economic situation and any other factors discussed in any reports or other announcements, in particular in the chapter Risks in the Annual Report, filed by AIXTRON. Any forward-looking statements contained in this document are based on current expectations and projections of the executive board based on information available the date hereof. AIXTRON undertakes no obligation to revise or update any forward-looking statements as a result of new information, future events or otherwise, unless expressly required to do so by law.

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