PRESS RELEASE

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Sino-Semiconductor relies on AIXTRON technology for VCSEL production

New AIXTRON customer orders first AIX 2800G4-TM MOCVD system

Herzogenrath/Germany, September 25, 2018 – AIXTRON SE (FSE: AIXA), a worldwide leading provider of deposition equipment to the semiconductor industry, announced today that Sino-Semiconductor Integrated Optoelectronics Cooperation (Sinosemic) has ordered an AIX 2800G4-TM MOCVD system for the production of laser diodes. The Chinese chipmaker mainly specializes in the manufacturing of VCSEL (*Vertical-Cavity Surface Emitting Lasers*) devices and will receive its first AIXTRON tool in the course of Q4/2018. The fully automated Planetary Reactor® manufacturing system will be shipped in 8x6-inch configuration.

The AIX 2800G4-TM has established itself as the leading tool for high-volume production of VCSELs for 3D sensors and other diode lasers. The Planetary Reactor® concept not only allows for maximum yield of devices at the highest performance level, but also for unparalleled productivity and uniformity of the epitaxial wafers. In addition to the excellent reproducibility of each individual system, customers also appreciate the very good repeatability amongst systems. In addition, the AIX 2800G4-TM provides incomparably high efficiency in handling the expensive chemicals used for MOCVD processes for the production of laser devices.

Ling Yong Peng, General Manager of Sino-Semiconductor Integrated Optoelectronics Cooperation, commented: "In recent years the AIX 2800G4-TM platform has already succeeded in the market for the production of VCSELs or datacom lasers. This is the first time we order an MOCVD system from AIXTRON and we are very much looking forward to benefit from the excellent performance of the AIX 2800G4-TM platform in terms of wafer homogeneity and maximum flexibility."

"We are very pleased to have convinced Sino-Semiconductor of the performance of our AIX 2800G4-TM system. It is the ideal solution for high-volume production in the field of photonic applications. Looking forward to our new cooperation, we will support Sino-Semiconductor in the best possible adaption of their production processes to our equipment technology," says Dr. Bernd Schulte, President of AIXTRON SE.

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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, 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®, APEVA®, Atomic Level SolutionS®, Close Coupled Showerhead®, CRIUS®, EXP®, EPISON®, Gas Foil Rotation®, Optacap™, OVPD®, Planetary Reactor®, PVPD®, STExS®, TriJet®

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

About Sinosemic
Sino-Semiconductor Technology Cooperation (Sinosemic) is the only VCSEL chips high-volume supplier from Mainland China till now, which has capabilities of structure design, epitaxial growth, chip processing and packaging. Their main products include 10G, 25G datacom VCSEL chips and 0.1mW-4W sensor VCSEL chips. They are mainly used in optical communication, mobile & non-mobile facial recognition modules, autonomous vehicles, LIDAR, security monitoring, laser TV, laser display, laser lighting and other fields.

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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