

Graphenea increases capacity with AIXTRON BM Pro

AIXTRON's graphene production technology impresses with scalability, maximum throughput and excellent uniformity

Herzogenrath/Germany, April 20, 2016 – AIXTRON SE (FSE: AIXA; NASDAQ: AIXG), a worldwide leading provider of deposition equipment to the semiconductor industry, today announced a new order for a BM Pro system from Spanish company Graphenea, one of the world's leading suppliers of graphene and related materials. Graphenea's focus is in developing graphene-based films for use in the semiconductor industry.

AIXTRON's BM Pro system, now in its 3rd generation, has been specifically optimized for high quality graphene deposition with Graphenea's tool having the highest throughput to date. Graphenea placed the order for the 8-inch configuration deposition system during the first quarter of 2016. The tool is scheduled for delivery later this year which will be followed by the installation and commissioning of the system by AIXTRON's European support team.

Graphenea's Scientific Director, Dr. Amaia Zurutuza, comments: "Our existing AIXTRON BM Pro system has been a reliable workhorse in producing graphene for our needs. In taking the graphene to the next level, we chose an AIXTRON BM Pro tool again because of its scalable technology which addresses our graphene production needs of even higher throughput and larger areas. Also, the system meets our requirements of high temperature operation, combined with excellent uniformity. System flexibility, low maintenance, automatic recipe execution and process support were other compelling reasons for selecting AIXTRON again."

Graphenea's CEO, Jesus de la Fuente, comments: "This new system is part of our large investment program to introduce graphene technology in commercial devices. Our focus is to integrate graphene materials in CMOS (complementary metal-oxide-semiconductor) fabs starting with 8-inch wafers and 12-inch in the near future".

Graphenea, a leading company in graphene production and venture backed by oil company Repsol and CDTI (Centre for the Development of Industrial Technology), was established in 2010, and has since grown to be one of the world's largest providers of graphene. The company is headquartered at the nanotechnology cluster CIC nanoGune in San Sebastian, Spain and the Massachusetts Institute of Technology (MIT) campus near Boston. The company has focused on constant improvement of graphene quality, becoming a supplier customers can rely on.

For further information please contact

Corporate Communications

AIXTRON SE, Dornkaulstr. 2, 52134 Herzogenrath, Germany

PHONE +49 (2407) 9030-444 **FAX** +49 (2407) 9030-445

E-MAIL info@aixtron.de **WEB** www.aixtron.com

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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