Applied Materials Selected by BOE to Accelerate Production of Large LCD TVs

November 16, 2016

- *Multiple Applied CVD and PVD systems ordered for world's first Gen 10.5 TFT-LCD production line*
- *Gen 10.5 substrates (3370 x 2940mm), the largest of any current and planned display fabs announced to date, accommodate six 75-inch panels*
- *Order helps BOE stay ahead of rising consumer demand for large LCD TVs*

SANTA CLARA, Calif., Nov. 16, 2016 (GLOBE NEWSWIRE) -- Applied Materials, Inc. today announced its thin-film deposition equipment has been selected by BOE Technology Group (BOE), China's top semiconductor-display product manufacturer, for use in the world's first Gen 10.5 TFT-LCD production line. BOE ordered multiple CVD and PVD systems, which can produce up to six 75-inch LCD TV panels per substrate – the largest ever used for displays. This latest order builds upon the longstanding collaboration between Applied and BOE, and extends Applied's leadership in enabling innovation in the display industry.

"Achieving fast ramp time and high yield are key priorities, so for this first-ever Gen 10.5 line we selected Applied Materials based on past successes we have achieved together and Applied's strong support and technical capabilities in China," said Xiaodong Liu, President of BOE. "We expect this revolutionary Gen 10.5 line to help meet increasing demand for larger TVs."

"Adopting a larger panel substrate requires best-in-class equipment and process expertise. BOE's selection of our thin-film deposition technology for their most sophisticated fab demonstrates the value to customers of Applied's leadership in materials engineering solutions," said Ali Salehpour, senior vice president and general manager, New Markets and Service Group, Applied Materials. "We are excited to deepen our longstanding relationship with BOE and support its leadership to take the industry to a new scale."

BOE's push into Gen 10.5 substrates comes as the market for large TVs is increasing. According to IHS, annual shipments of 60-inch and larger TV panels are expected to grow at a 17 percent CAGR to more than 20 million units by 2020. A Gen 10.5 substrate is approximately 80 percent bigger than Gen 8.5, the current standard for TV manufacturing, allowing panel makers to maximize their output to meet consumer demand.

Applied Materials, Inc. (Nasdaq:AMAT) is the leader in materials engineering solutions used to produce virtually every new chip and advanced display in the world. Our expertise in modifying materials at atomic levels and on an industrial scale enables customers to transform possibilities into reality. At Applied Materials, our innovations make possible the technology shaping the future. Learn more at www.appliedmaterials.com.

BOE Technology Group Co., Ltd., founded in April 1993, is a supplier of Internet of Things (IoT) technologies, products and services. BOE's three core businesses are Display Device, Smart System and Healthcare Service. BOE's products are widely used in a broad spectrum of applications such as mobile phones, tablets, notebooks, monitors, TVs, vehicle displays, digital information displays, healthcare, finance and wearable devices. Learn more at www.boe.com.

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