

Rudolph Expanding its Presence in China for AMOLED Display Lithography

A second FPD manufacturer in China orders JetStep G system for next-gen AMOLED displays

Wilmington, Mass. (August 2, 2017)—Rudolph Technologies, Inc. (NYSE: RTEC) announced today that it has received an order for a [JetStep® G lithography system](#) from a second customer in China for pilot line manufacturing of next-generation AMOLED (active-matrix organic light-emitting diode) displays.

The use of AMOLED displays in smartphones and wearables is growing rapidly because of their superior performance and form factor. Given the wide variety and rapid proliferation of consumer devices, an R&D or pilot line facility that can quickly and cost-effectively implement new processes allows manufacturers to bring new products to market faster. As these products continue to evolve, the need persists for low-power, low-cost, and conformity. Rudolph's lithography solutions provide customers with the ability to develop these new processes with lower tooling costs and quicker product change-over.

Elvino da Silveira, vice president of marketing at Rudolph Technologies, said, "The AMOLED panel market is currently experiencing rapid growth, and in fact, [UBI Research](#) expects it to grow by close to 40 percent on an annual basis until 2020. We are seeing more and more companies enter this market by developing their own intellectual property, especially in China."

"Customers continue to invest in Rudolph's unique lithography solution for their R&D and pilot lines because it enables them to prove-out new processes more easily and at lower cost," da Silveira continued. "The JetStep system is especially beneficial in pilot line environments where there is a high level of product change-over and pressure to minimize cost. A JetStep mask set, for example, is a fraction of the cost of a mask set for scanner-based photolithography tools, making it an ideal choice for new product development."

The JetStep G lithography system addresses the AMOLED displays' requirement for higher performance transistors by delivering finer resolution and tighter overlay. Additionally, the proprietary real-time magnification compensation and autofocus capabilities enable flexible

substrate lithography. These capabilities are exactly what FPD manufacturers in China are looking for as they invest in capacity for next-generation AMOLED. Beyond the technology, Chinese manufacturers are looking for comprehensive and localized services. Rudolph is expanding capabilities in this area through the use of localized partnerships.

“With these technological advantages and local presence, we are poised to capture orders from additional China-based manufacturers,” da Silveira concluded.

For more information about Rudolph’s systems and software, please visit www.rudolphtech.com.

About Rudolph Technologies

Rudolph Technologies, Inc. is a leader in the design, development, manufacture and support of defect inspection, lithography, process control metrology, and process control software used by semiconductor and advanced packaging device manufacturers worldwide. Rudolph delivers comprehensive solutions throughout the fab with its families of proprietary products that provide critical yield-enhancing information, enabling microelectronic device manufacturers to drive down costs and time to market of their devices. Headquartered in Wilmington, Massachusetts, Rudolph supports its customers with a worldwide sales and service organization. Additional information can be found on the Company’s website at www.rudolphtech.com.

Safe Harbor Statement

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 (the “Act”) which include the benefit to customers of Rudolph’s products, Rudolph’s ability to successfully innovate, develop new technologies and products and deliver products and services consistent with our customers’ demands and expectations as well as other matters that are not purely historical data. Rudolph wishes to take advantage of the “safe harbor” provided for by the Act and cautions that actual results may differ materially from those projected as a result of various factors, including risks and uncertainties, many of which are beyond Rudolph’s control. Such factors include, but are not limited to, the company’s offered design enhancements may not necessarily translate into significant revenue and the challenges presented by the new product development and marketing. Additional information and considerations regarding the risks faced by Rudolph are available in Rudolph’s Form 10-K report for the year ended December 31, 2016 and other filings with the Securities and Exchange Commission. As the forward-looking statements are based on Rudolph’s current expectations, the company cannot guarantee any related future results, levels of activity, performance or achievements. Rudolph does not assume any obligation to update the forward-looking information contained in this press release.

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