

PRESS RELEASE

BE Semiconductor Industries Announces New eWLB Orders

Duiven, the Netherlands, December 16, 2015 - BE Semiconductor Industries N.V. (the "Company" or "Besi") (Euronext Amsterdam: BESI; OTC: BESIY, Nasdaq International Designation), a leading manufacturer of assembly equipment for the semiconductor industry, announced today the receipt of eWLB orders from ASE, a leading global subcontractor for semiconductor assembly production.

ASE ordered 4 eWLB systems from Besi, aggregating in total € 3.2 million, with scheduled deliveries over the next four months. The Besi eWLB system offers customers a sub 5 micron accuracy wafer level solution to assemble power devices for applications such as smart phones, tablets and wearable devices with approximately 40% more throughput productivity than competitive eWLB system offerings.

About Besi

Besi is a leading supplier of semiconductor assembly equipment for the global semiconductor and electronics industries offering high levels of accuracy, productivity and reliability at a low cost of ownership. The Company develops leading edge assembly processes and equipment for leadframe, substrate and wafer level packaging applications in a wide range of end-user markets including electronics, mobile internet, computer, automotive, industrial, LED and solar energy. Customers are primarily leading semiconductor manufacturers, assembly subcontractors and electronics and industrial companies. Besi's ordinary shares are listed on Euronext Amsterdam (symbol: BESI), its Level 1 ADRs participate in the Nasdaq International platform (OTC: BESIY) and its headquarters are located in Duiven, the Netherlands. For more information, please visit our website at www.besi.com.

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