

FOR: BE SEMICONDUCTOR INDUSTRIES N.V.
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PRESS RELEASE

Besi Announces Preliminary Revenue, Orders and Backlog for Q1 2010

Duiven, the Netherlands, April 15, 2010, BE Semiconductor Industries N.V. ("the Company" or "Besi") (Euronext: BESI), a leading manufacturer of assembly equipment for the semiconductor industry, today announced preliminary revenue of approximately € 56 million and orders aggregating approximately € 97 million in its first quarter ended March 31, 2010. Prior revenue guidance for the first quarter was approximately € 53 million. Orders for the first quarter ended March 31, 2010 increased by approximately € 38 million, or 64%, as compared to the fourth quarter ended December 31, 2009. Backlog at March 31, 2010, was approximately € 92 million, an increase of € 41 million, or 80%, as compared to December 31, 2009 with shipment delivery dates scheduled primarily over the next six months. Besi will announce its full financial results for the first quarter of 2010 on April 29, 2010.

Richard W. Blickman, President and Chief Executive Officer, commented: "Consistent with recent industry trends, we received record levels of orders in the first quarter of 2010 due to an acceleration of customer demand for new semiconductor assembly capacity and new product introductions, particularly in memory and personal computing applications. Quarterly sequential order and backlog growth was due primarily to a substantial increase in demand for our die bonding equipment. We have taken measures to ramp up production as rapidly as possible to meet increased market demand for our assembly systems."

About Besi

BE Semiconductor Industries N.V. ("Besi") is a leading supplier of semiconductor assembly equipment for the global semiconductor and electronics industries. The Company develops leading edge assembly processes and equipment for leadframe, array connect and wafer level packaging applications in a wide range of end-use markets including electronics, computer, automotive, industrial, RFID, LED and solar energy. Customers are primarily leading semiconductor manufacturers, assembly subcontractors and electronics and industrial companies. Besi's ordinary shares are listed on NYSE Euronext Amsterdam (symbol: BESI) and its headquarters are located in Duiven, the Netherlands. For more information, please visit our website at www.besi.com.

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