

PRESS RELEASE

Besi Announces Conversion of All Remaining 5.5% Convertible Notes due 2012 Into Shares. Share Buyback Program Continues

Duiven, the Netherlands, June 17, 2011 - BE Semiconductor Industries N.V. (the "Company" or "Besl") (NYSE Euronext: BESI; OTCQX: BESIY), a leading manufacturer of assembly equipment for the semiconductor industry, today announced that all remaining holders of its 5.5% Notes due 2012 (the "Notes") elected to exercise their conversion rights to receive Besl ordinary shares in exchange for Notes outstanding. The Notes were originally issued in a principal amount of € 46 million of which € 27.9 million principal amount was outstanding as of March 31, 2011. The Note redemption will result in the issuance of 5.6 million new Besl ordinary shares which brings the total number of shares outstanding currently to approximately 39.6 million (including shares issued in connection with Besl's May 2011 dividend payment).

The Company also announced that it repurchased 132,583 of its ordinary shares during the period from Monday June 13, 2011 up to and including June 17, 2011 at a weighted average price of € 5.83 for a total purchase amount of € 773,531. Since June 6, 2011, Besl has purchased a total of 258,688 of its ordinary shares at a weighted average price of € 5.78 for a total purchase amount of € 1,495,708.

Richard W. Blickman, President and Chief Executive Officer of Besl commented: "We are pleased to announce the successful redemption of the Convertible Notes by which all remaining Noteholders elected to convert their Notes into Besl's ordinary shares. As a result of the redemption, Besl's financial position will improve significantly. As of March 31, 2011, as adjusted for the redemption, our net cash position will increase by € 27.4 million to € 47.0 million, total equity will increase to € 250.3 million and total debt outstanding will reduce to € 18.5 million. We are seeking to limit share dilution from the transaction via a stock repurchase program under which we have authorization to purchase up to approximately 3.4 million shares. As of June 17, 2011, Besl had purchased 258,688 shares under this program."

Besl 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-user markets including electronics, computer, automotive, industrial, RFID, LED and solar energy. Customers are primarily leading semiconductor manufacturers, assembly subcontractors and electronics and industrial companies. Besl's ordinary shares are listed on NYSE Euronext Amsterdam (symbol: BESI) and OTCQX International (symbol: 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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