

FOR: BE SEMICONDUCTOR INDUSTRIES N.V.
Ratio 6
6921 RW Duiven, the Netherlands

PRESS RELEASE

BE Semiconductor Industries Announces Repurchase of Convertible Notes

Duiven, the Netherlands, March 31, 2010, BE Semiconductor Industries N.V. ("the Company" or "Besì") (Euronext: BESI), a leading manufacturer of assembly equipment for the semiconductor industry, today announced the repurchase of approximately €6.5 million of its 5.5% Convertible Notes due January 2012 ("the Notes") in an open market transaction. The Notes were purchased from an institutional investor at a net price of approximately €5.7 million (88% of original principal amount).

The Note repurchase will result in a one-time pre-tax gain of approximately €0.6 million in the first quarter ending March 31, 2010. The principal balance of the Notes is now currently €27.8 million as compared to an initial principal amount of €46 million upon issuance in January 2005.

About Besì

BE Semiconductor Industries N.V. ("Besì") 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. Besì'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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