

FOR: BE SEMICONDUCTOR INDUSTRIES N.V.
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PRESS RELEASE

BE Semiconductor Industries Announces Share Repurchase

Duiven, the Netherlands, July 17, 2007, BE Semiconductor Industries N.V. ("the Company" or "Besi") (Euronext: BESI), a leading manufacturer of assembly equipment for the semiconductor industry, today announced that it repurchased 100,000 of its shares on July 16, 2007 at a weighted average price of € 4.868 for a total amount of € 486,800. For the execution of the share repurchase program, Besi entered into a forward purchase agreement with Fortis Bank (Nederland) NV. The share repurchase represents the second under a buy back program announced on February 27, 2007 according to which the Company may repurchase up to a maximum of 1.0 million shares. Under the program, the Company has repurchased to date a total of 255,000 shares at a weighted average price of € 4.8729 for a total amount of € 1,242,580.

About BE Semiconductor Industries N.V.

BE Semiconductor Industries N.V. designs, develops, manufactures, markets and services die sorting, flip chip and multi-chip die bonding, packaging and plating equipment for the semiconductor industry's assembly operations. Its customers consist primarily of leading U.S., European, Asian, Korean and Japanese semiconductor manufacturers and subcontractors which utilize its products for both array connect and conventional leadframe manufacturing processes. For more information about Besi, please visit our website at www.besi.com.

Caution Concerning Forward Looking Statements

Statements in this press release regarding Besi's intention to repurchase Ordinary Shares from time to time under the stock repurchase program, the intended use of any repurchased shares and the source of funding are forward-looking statements. There are a number of important factors that could cause actual events to differ materially from those suggested or indicated by such forward-looking statements. These include, among others, the market price of Besi's stock prevailing from time to time, the nature of other investment opportunities presented to the Company from time to time, the Company's cash flows from operations, general economic conditions, and other factors identified in the Company's Annual Report filed with the AFM.

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