PRESS RELEASE



Almere, The Netherlands October 15, 2018

ASM INTERNATIONAL N.V. ANNOUNCES COMPLETION OF SHARE BUYBACK PROGRAM

ASM International N.V. (Euronext Amsterdam: ASM) today announces that its €250 million share buyback program 2018 has been completed on October 11, 2018.

On June 5, 2018, ASMI announced the start of a new share buyback program of its common shares for an amount of up to €250 million. We completed this 2018 share buyback program on October 11, 2018. In total, we repurchased 5,443,888 shares at an average price of €45.92, including expenses, under the 2018 program.

This share buyback program was executed by a third party. ASMI has the intention to reduce its capital by withdrawing the shares repurchased as part of the 2018 share buyback program, save for such number of treasury shares as maybe necessary to fund ongoing share and option programs for employees and board members. This withdrawal of shares is intended to be proposed to the Annual General Meeting in 2019. The repurchase program is part of ASMI's commitment to use excess cash for the benefit of its shareholders.

WEEKLY UPDATE SHARE BUYBACK

In addition, ASMI reports the following transactions for October 8 - 11, 2018, which has been the final week of the 2018 share buyback program. Note that the average price shown in the table is including expenses.

Date	Repurchased shares	Average price	Repurchased value
October 8, 2018	140,356	€ 41.71	€ 5,853,880
October 9, 2018	145,119	€ 41.12	€ 5,967,182
October 10, 2018	155,962	€ 39.44	€ 6,151,685
October 11, 2018	140,280	€ 39.82	€ 5,585,313
Total	581,717	€ 40.50	€ 23,558,060

For further details including individual transaction information please visit: www.asm.com/investors/share-information/share-buyback.

About ASM International

ASM International NV, headquartered in Almere, the Netherlands, its subsidiaries and participations design and manufacture equipment and materials used to produce semiconductor devices. ASM International, its subsidiaries and participations provide production solutions for wafer processing (Front-end segment) as well as for assembly & packaging and surface mount technology (Back-end segment) through facilities in the United States, Europe, Japan and Asia. ASM International's common stock trades on the Euronext Amsterdam Stock Exchange (symbol ASM). For more information, visit ASMI's website at www.asm.com.

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Cautionary Note Regarding Forward-Looking Statements: All matters discussed in this press release, except for any historical data, are forward-looking statements. Forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those in the forward-looking statements. These include, but are not limited to, economic conditions and trends in the semiconductor industry generally and the timing of the industry cycles specifically, currency fluctuations, corporate transactions, financing and liquidity matters, the success of restructurings, the timing of significant orders, market acceptance of new products, competitive factors, litigation involving intellectual property, shareholders or other issues, commercial and economic disruption due to natural disasters, terrorist activity, armed conflict or political instability, epidemics and other risks indicated in the Company's reports and financial statements. The Company assumes no obligation nor intends to update or revise any forward-looking statements to reflect future developments or circumstances.

This press release contains inside information within the meaning of Article 7(1) of the EU Market Abuse Regulation.

CONTACT

Investor contact:

Victor Bareño

T: +31 88 100 8500

E: victor.bareno@asm.com

Media contact:

Ian Bickerton

T: +31 625 018 512