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INVESTOR PRESENTATION

Q4 2015 RESULTS

February 24, 2016

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS



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, shareholder and 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.

INVESTMENT HIGHLIGHTS



› **ALD is a key growth market**

- ALD market expected to outperform the broader equipment market
- ASMI has leadership position in ALD

› **Strong revenue performance**

- Revenue increased by 23% in 2015 and 14% at constant currencies
- Outperforming the overall equipment market

› **Improved profitability**

- Gross margin increased from 43.1% in 2014 to 44.3% in 2015

› **Solid balance sheet**

- Strong cash position, no debt
- Operating cash flow increased from EUR 110m in 2014 to EUR 145m in 2015
- Second consecutive EUR 100m share buyback program, to be executed in 2015/2016
- Proposal to the AGM 2016 to raise dividend by 17% to EUR 0.70 per share

Q4 2015 KEY RESULTS



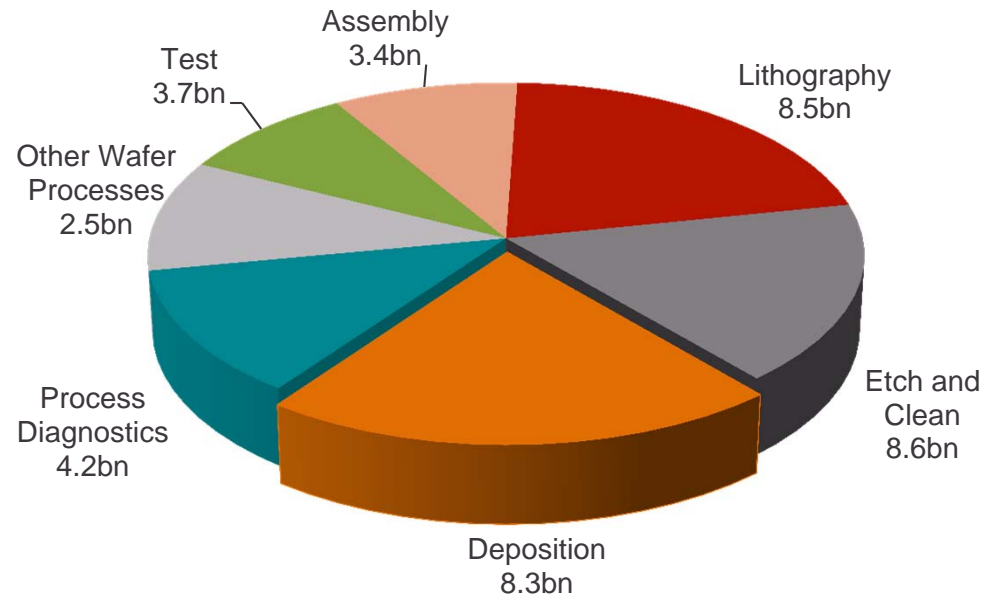
	Q4 2014	Q3 2015	Q4 2015	2014	2015
New orders	154.4	148.1	135.4	602.1	608.4
Net sales	124.3	162.0	144.7	545.6	669.6
Gross profit margin %	43.0%	43.7%	44.8%	43.1%	44.3%
Operating results	13.4	23.2	12.5	90.5	106.3
Result from investments	8.9	8.1	2.2	61.1	44.4
Amortization intangible assets resulting from the sale of the 12% stake of ASMPT	(6.0)	(6.7)	(7.1)	(22.5)	(27.2)
Net earnings	21.0	35.7	18.4	137.3	153.9
Normalized net earnings (excl. amortization intangible assets resulting from the sale of the 12% stake of ASMPT)	26.9	42.4	25.4	159.8	181.1

SEMICONDUCTOR EQUIPMENT MARKET



- > ASM focuses on deposition equipment
- > ASM is a market leader in ALD
- > Positions in Epitaxy, PECVD and Vertical Furnaces

Equipment market segments (US\$)



VLSI Research, Feb. 2016

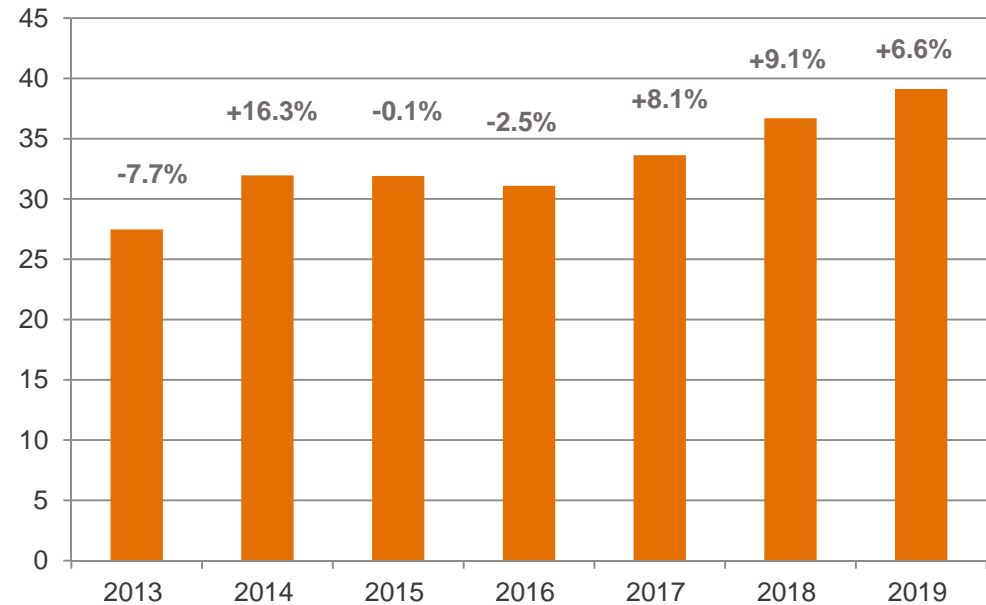
ASM's focus is on deposition equipment

EQUIPMENT MARKET OUTLOOK



- > Gartner forecasts WFE spending to decrease by 2.5% in 2016, followed by 8% increase in 2017
- > Investment in leading edge equipment remains the key driver

Wafer Fab Equipment spending



Gartner, Dec 2015

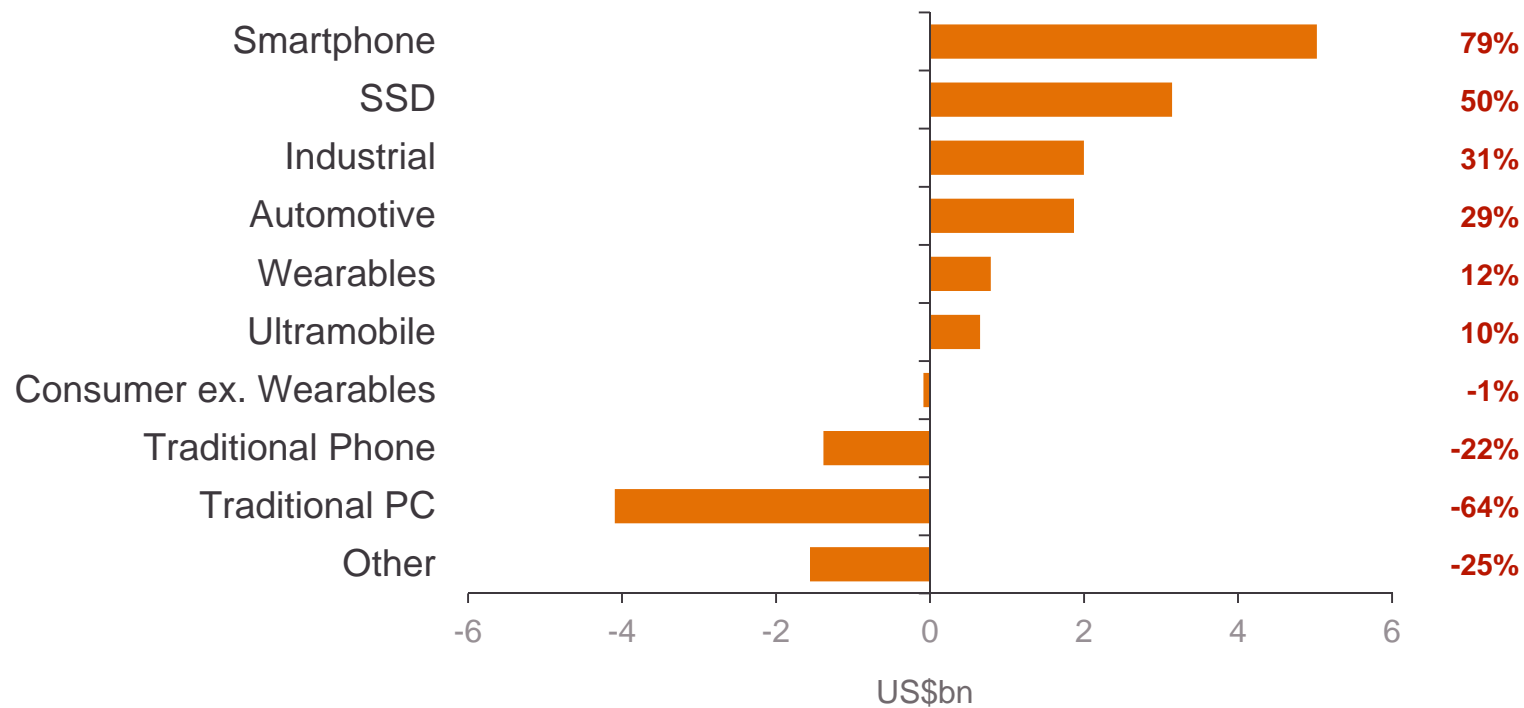
Gartner forecasts a slightly lower Wafer Fab Equipment market in 2016

SEMICONDUCTOR MARKET DRIVERS



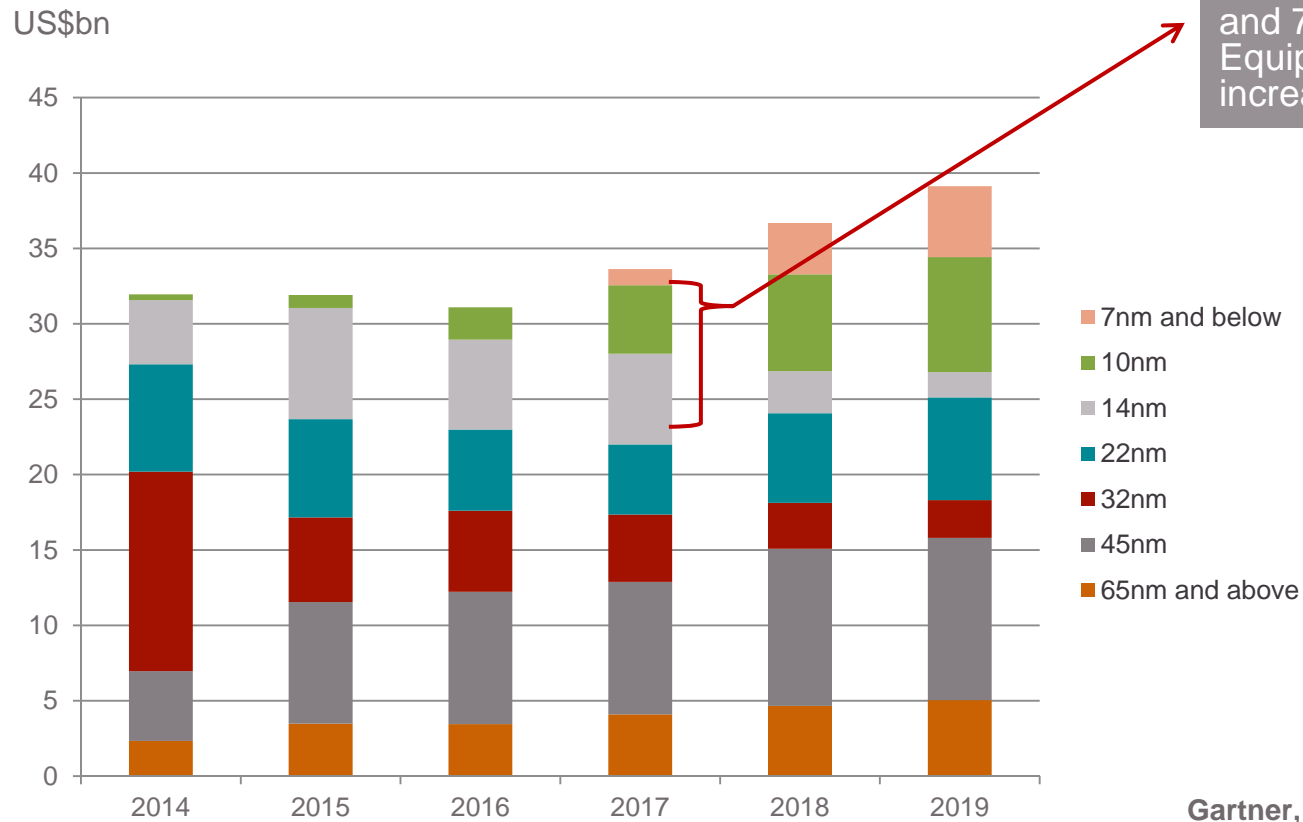
2016 semiconductor market growth contribution by electronic application

Share of growth in 2016



Gartner, Dec 2015

WAFER FAB EQUIPMENT SPENDING BY NODE



Share of 14nm, 10nm and 7nm of total Equipment spending increasing in 2016-2018

Advanced nodes: market segments with high expected growth

ALD IS AN ENABLING TECHNOLOGY



› **ALD technology is a key enabler of Moore's Law**

- Strengths of Atomic Layer Deposition: high-precision deposition of smooth and conformal ultra-thin films, even on high aspect ratio structures
- Device scaling, new materials and 3D architectures increase demand for ALD

› **ASMI has leading positions in ALD**

- Leadership positions in ALD for high-k metal gate applications as well as in ALD for spacer defined multiple patterning and for new applications
- ALD business accounted for clearly more than half of ASM's equipment revenue in 2015

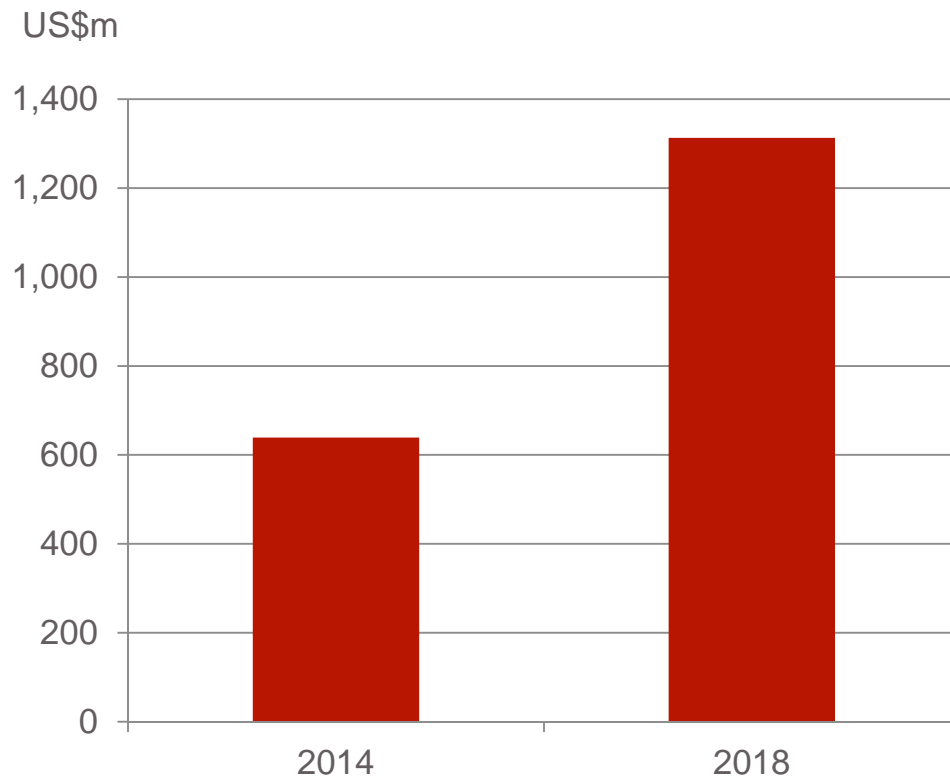
› **Strong market outlook ALD**

- Drivers are further deployment of ALD in volume manufacturing, new applications and additional process steps
- ALD market expected to outperform the broader semiconductor equipment market

ESTIMATED ALD MARKET GROWTH



ALD market single wafer / minibatch



- › ALD market approximately doubling in three to four years, compared to 2014
- › Key growth areas are patterning layers, high-k/ metal gate and other applications

Source: Gartner, VLSI, ASMI, February 2016

COMPETITIVE ADVANTAGES



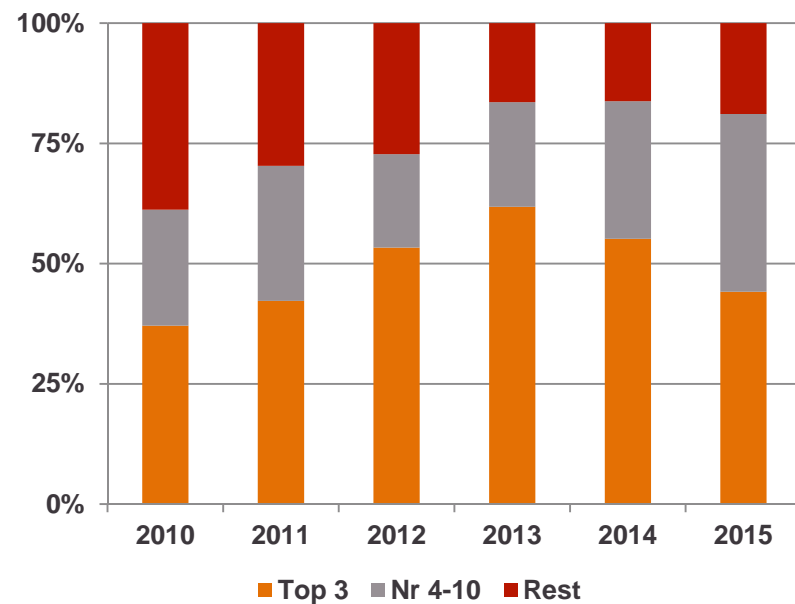
- › **Focused player, differentiated technologies**
- › **Track record of innovation**
- › **Global network, streamlined operations**
- › **Leadership in ALD**
 - Developing ALD technology since 1999
 - Leading market share in ALD
- › **Close cooperation with the leading IC manufacturers**
- › **Strong IP portfolio**

CUSTOMER CONCENTRATION



- › Engaged with all of the top-10 semiconductor capital equipment spenders
- › Diversification of customer base from Logic to Memory and Foundries
- › Strong momentum with customers beyond the traditional top-3

ASMI revenue



Growing share of wallet with top clients

HIGHLIGHTS



› Strong momentum ALD

- ALD further established as mainstream enabling technology
- Bookings and revenue continued to be driven by ALD

› Solid results in 2015

- Revenue increased 23% in 2015, third consecutive year of market outperformance
- Gross margin at 44.3%, EBIT margin at 15.9%

› Shareholder remuneration

- Started a second consecutive EUR 100m share buyback program last November, to be executed in '15/'16
- Returned EUR 116m in share buybacks and dividend in 2015 (2014: EUR 61m)
- Proposal to increase dividends by 17% to EUR 0.70 per share AGM 2016

› Further actions to structurally improve performance

- Continued cost focus

ASMPT RESULTS



	Q4 2014	Q3 2015	Q4 2015	2014	2015
Sales ASMPT (HK\$m)	3,446	3,231	2,928	14,229	12,977
Net profit ASMPT excluding one-offs (EURm, 100% based)	50	24	10	179	120
Result from investments (including ASMI's 40% share of ASMPT net profit)	8.9	8.1	2.2	61.1	44.4
Amortization intangible assets resulting from the sale of the 12% stake of ASMPT	<u>(6.0)</u>	<u>(6.7)</u>	<u>(7.1)</u>	<u>(22.5)</u>	<u>(27.2)</u>
Result from investments	(2.9)	1.4	(4.9)	38.6	17.2

- › **As of 15 March 2013, our share of approximately 40% of ASMPT's net earnings is included in 'result from investments'**
- › **Amortization intangible assets is expected to remain stable in 2016 and 2017, on a currency comparable basis**

FINANCIAL OVERVIEW

Q4 2015 HIGHLIGHTS



- › Revenues down 11% q-o-q and up 16% y-o-y
- › Bookings down 9% q-o-q and down 12% y-o-y. Book-to-bill ratio of 0.9
- › Q4 backlog of EUR 128m, down from EUR 135m at the end of Q3 2015
- › EBIT margin of 8.7% compared to 14.3% in Q3 2015 and 10.8% in Q4 2014
- › EBIT in Q4 2015 included EUR 3m write-off of remaining 450mm assets, corrected for this write off EBIT margin was 10.7%
- › Cash flow from operations of EUR 34m in Q4
- › Normalized net earnings* of EUR 25m, down from EUR 42m in Q3 2015 and EUR 27m in Q3 2014
- › Normalized net earnings were impacted by positive translation differences in financial results (EUR 6m in Q4 and EUR 3m in Q3) and one-off tax benefits (EUR 5m in Q4 and EUR 9m in Q3)

** excl. amortization intangible assets resulting from the sale of the 12% stake of ASMPT*

FINANCIAL OUTLOOK



Based upon the current backlog and our current visibility:

For Q1 we expect sales between €135 and €145 million. For Q2 we expect sales between €140 and €150 million. In line with our earlier views, based on current visibility, we expect 2016 to be more revenue back loaded. The Q1 order intake is expected to be in the range of €150 to €165 million (all figures on a currency comparable level).

NET EARNINGS Q4



EUR million	Q4 2014	Q3 2015	Q4 2015	Q4 2015 vs Q3 2015	Q4 2015 vs Q4 2014
New orders	154.4	148.1	135.4	(9)%	(12)%
Backlog	176.1	134.9	127.8	(5)%	(27)%
Book-to-bill	1.2	0.9	0.9		
Net sales	124.3	162.0	144.7	(11)%	16%
Gross profit	53.5	70.7	64.8	(8)%	21%
Gross profit margin %	43.0%	43.7%	44.8%		
Selling, general and administrative expenses	(21.5)	(24.0)	(23.0)	(4)%	7%
Research and development expenses	(18.5)	(23.2)	(28.3)	22%	53%
Restructuring expenses	-	(0.3)	(0.9)	n/a	n/a
Operating result	13.4	23.2	12.5	(10.6)	(0.9)
Operating margin %	10.8%	14.3%	8.7%		
Result from investments	8.9	8.1	2.2	(5.9)	(6.7)
Amortization intangible assets resulting from the sale of the 12% stake of ASMPT	(6.0)	(6.7)	(7.1)	(0.4)	(1.1)
Net earnings	21.0	35.7	18.4	(17.3)	(2.6)
Normalized net earnings (excl. amortization intangible assets resulting from the sale of the 12% stake of ASMPT)	26.9	42.4	25.4	(16.9)	(1.5)
Normalized net earnings per share, diluted	€0.42	€0.67	€0.40	€(0.27)	€(0.02)
Normalized net earnings excl. results from investments	18.0	34.3	23.2	(11.1)	5.2

NET EARNINGS 2015



EUR million	2014	2015	2015 vs 2014
New orders	602.1	608.4	1%
Backlog	176.1	127.8	(27)%
Book-to-bill	1.1	0.9	
Net sales	545.6	669.6	23%
Gross profit	235.0	296.3	26%
Gross profit margin %	43.1%	44.3%	
Selling, general and administrative expenses	(80.5)	(93.0)	16%
Research and development expenses	(63.9)	(95.3)	49%
Restructuring expenses	(0.1)	(1.7)	n/a
Operating result	90.5	106.3	15.8
Operating margin %	16.6%	15.9%	
Result from investments	61.1	44.4	(16.7)
Remeasurement gain, realized gain on sale of ASMPT shares, amortization and fair value adjustments	(22.5)	(27.2)	(4.6)
Net earnings	137.3	153.9	16.7
Normalized net earnings (excl. remeasurement gain, realized gain on sale of ASMPT shares, amortization and fair value adjustments)	159.8	181.1	21.3
Normalized net earnings per share, diluted	€2.49	€2.87	€0.38
Normalized net earnings excl. results from investments	98.7	136.7	38.0

CASH FLOW



EUR million	Q4 2014	Q3 2015	Q4 2015
Normalized net earnings	26.9	42.4	25.4
Depreciation and amortization	5.8	7.0	10.3
Result from investments	(8.9)	(8.1)	(2.2)
Other adjustments	(2.2)	(4.0)	(3.7)
Change in working capital	(14.5)	25.8	4.3
Net cash from operating activities	7.1	63.1	34.1
Net cash from investing activities	(11.5)	(6.0)	(11.8)
Dividend paid and capital repaid to ASMI shareholders	-	(4.7)	-
Share buyback	(29.3)	-	(8.4)
Dividend received from investments	-	18.4	-
Other	1.7	0.2	0.5
Net cash from financing activities	(27.6)	13.9	(7.9)

BALANCE SHEET

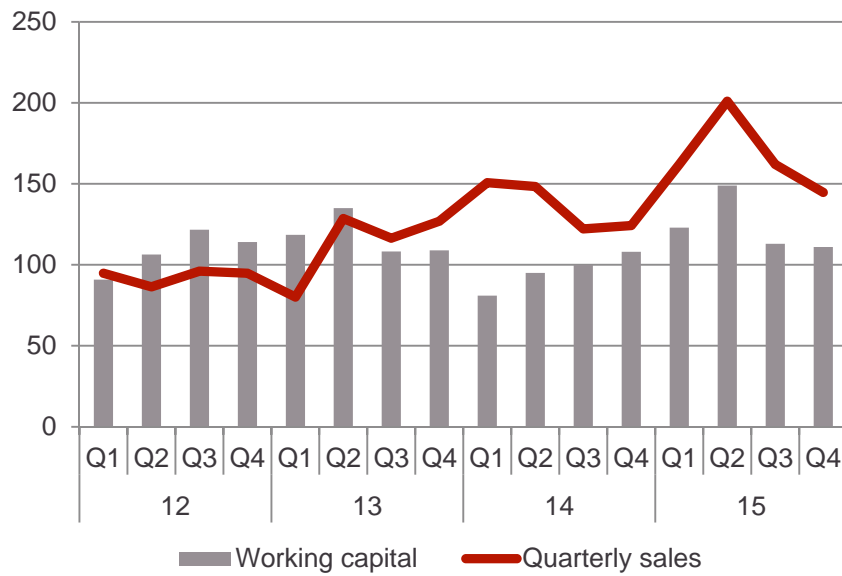


EUR million	Dec 31, 2014	Dec 31, 2015
Cash and cash equivalents	386	447
Accounts receivable	82	90
Inventories	124	112
Other current assets	27	32
Investments and associates	1,092	1,181
Property, plant and equipment	79	92
Other non-current assets	38	60
Total Assets	1,827	2,014
Accounts payable	61	54
Short-term debt	-	-
Other current liabilities	74	71
Long-term debt	-	-
Other non-current liabilities	2	1
Shareholders' equity	1,690	1,888
Total Liabilities and Equity	1,827	2,014

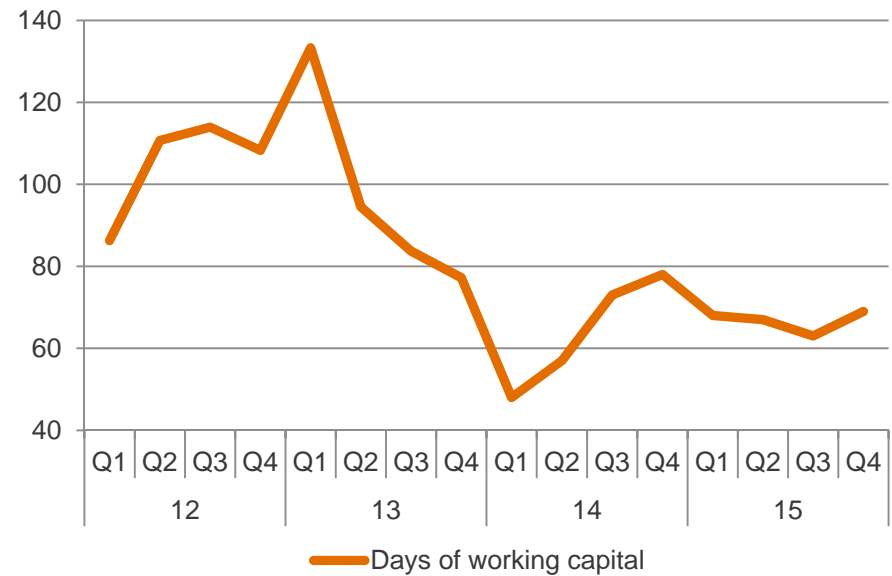
WORKING CAPITAL



EUR million



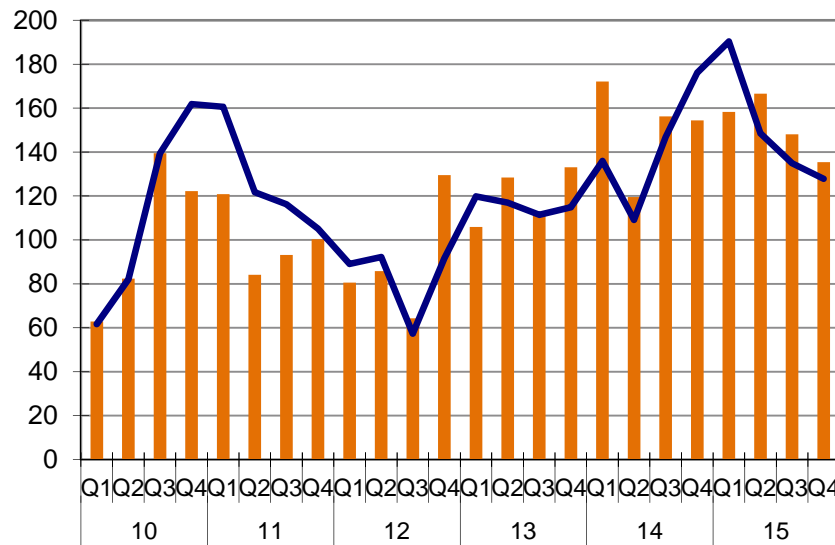
Days



HISTORICAL DEVELOPMENT

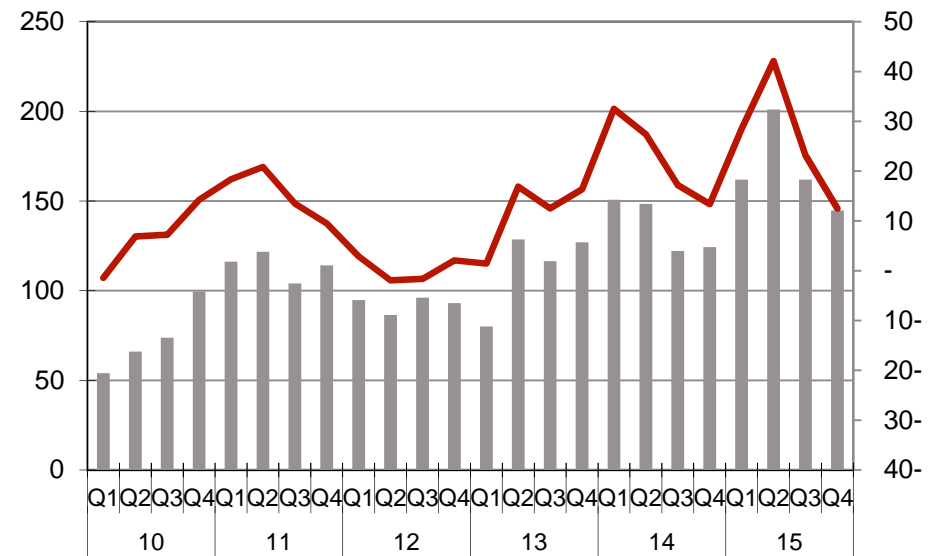


EUR million



Bookings Backlog

EUR million



Net Sales (lhs) EBIT (rhs)

