





ASMI ANNUAL MEETING OF SHAREHOLDERS

Chuck del Prado, President & CEO May 21, 2014



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- > Semiconductor equipment market in 2013
- > Reduction of stake in ASMPT
- > ASMI results in 2013
- > Corporate Responsibility
- > Status ASMI
 - Results
 - Products & Business highlights
- > Market outlook and conclusions

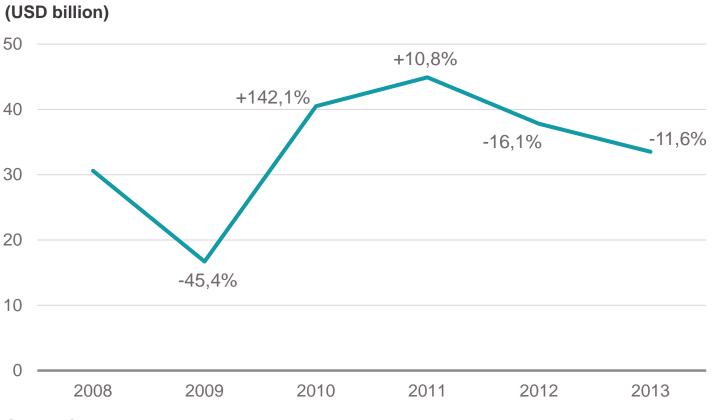


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SEMI CAPITAL EQUIPMENT



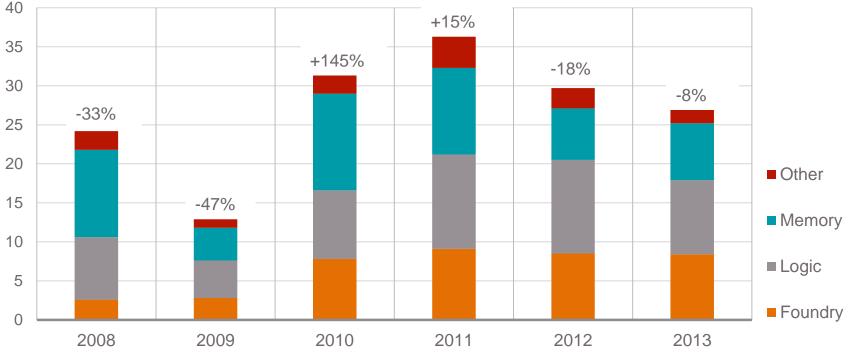
Source: Gartner, April 2014

Semiconductor capital equipment was down in both 2012 and 2013 The market began to improve by the second half



WAFER FAB EQUIPMENT BY DEVICE TYPE

(USD billion)



Source: Gartner, April 2014

2013 WFE spending decreased by 8% The Logic market declined while memory increased



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- After the sale of 12% of the ASMPT shares on 15 March 2013, our 40% share of ASMPT net profits is included in 'result from investments'
- > PPA regular amortization projected at €22 million for full year 2014

EUR million	Total 2013	Q1 2014
Sales ASMPT	1,055.5	234.4
Net profit ASMPT	54.5	14.3
Net profit ASMPT attributable to ASMI	20.9	5.7
Remeasurement gain, realized gain on sale of ASMPT shares, amortization and fair value adjustments	1,003.8	(5.4)
Result from investments	1,030.1	(0.3)



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> ASMI revenues up 22% y-o-y

> ASMI EBIT margin up from 0.4% in 2012 to 10.4% in 2013

Cash flow from operations of €48 million in 2013

• Proposal to ASMI 2014 AGM for dividend of €0.50 per share

Comparable net earnings of €45 million up from €7 million in 2012

• Excluding €1 billion PPA gain related to sale of PT shares

NET EARNINGS – GROUP



		comparable		comparable	compara	ble				
	FULL YEAR	FULL YEAR	FULL YEAR	FULL YEAR		Q1	Q2	Q3	Q4	Q1
EUR million	2012	2012	2013	2013		2013	2013	2013	2013	2014
Front-end	370.4	370.4	452.0	452.0		80.0	128.6	116.4	126.9	150.7
Back-end	1,047.7	-	160.3	-		-	-	-	-	-
NET SALES	1,418.1	370.4	612.3	452.0		80.0	128.6	116.4	126.9	150.7
Front-end	33.6%	33.6%	39.0%	39.0%	3	7.7%	39.3%	39.1%	39.3%	43.7%
Back-end	30.2%	-	24.0%	-		-	-	-	-	-
GROSS MARGIN	440.4	124.5	214.6	176.2		30.2	50.5	45.6	49.9	65.9
as % of sales	31.1%	33.6%	35.0%	39.0%	3	7.7%	39.3%	39.1%	39.3%	43.7%
Selling, general and administrative	(202.1)	(64.4)	(96.3)	(70.7)	(15.3)	(18.6)	(18.2)	(18.6)	(19.2)
Research and development	(149.2)	(58.7)	(75.4)	(58.3)	(13.4)	(15.0)	(14.8)	(15.0)	(14.1)
Front-end	1.4	1.4	47.2	47.2		1.4	16.9	12.5	16.3	32.5
Back-end (100%)	87.7	-	(4.3)			-	-	-	-	-
EBIT (excl. restructuring/impairment)	89.2	1.4	42.9	47.2		1.4	16.9	12.5	16.3	32.5
as % of sales	6.3%	0.4%	7.0%	10.4%		1.8%	13.1%	10.8%	12.9%	21.6%
			(a)	(a)					<i>i</i>	
Restructuring	(0.9)	(0.9)	(2.5)	(2.5)		(0.3)	(0.7)	(1.0)	(0.5)	-
Front-end	(29.1)	(29.1)	24.6	24.6		3.1	8.1	5.6	7.8	26.8
Back-end (ASMI interest)	36.3	36.3	20.9	20.9		(0.5)	9.2	10.8	1.5	5.7
PPA	-	-	1,003.8	1,003.8	1,4	07.5	(40.7)	(17.2)	(345.8)	(5.4)
NET RESULT	7.1	7.1	1,049.3	1,049.3	1,4	10.1	(23.4)	(0.9)	(336.5)	27.1

> Financials based on US GAAP

BALANCE SHEET – GROUP

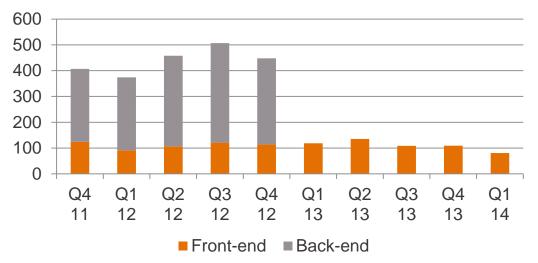


		comparable					
EUR million	DEC 2012	DEC 2012	MAR 2013	JUN 2013	SEP 2013	DEC 2013	MAR 2014
Cash and cash equivalents	291	145	565	535	304	312	371
Other current assets	818	205	208	226	202	206	206
Property, plant and equipment, net	275	64	61	55	51	57	58
Goodwill, net	52	12	12	11	11	11	11
Other Assets	64	408	1,381	1,419	1,367	965	975
TOTAL ASSETS	1,500	833	2,226	2,247	1,935	1,551	1,621
ST debt (incl current LT debt)	68	-	-	-	-	-	_
Other current liabilities	350	88	87	92	94	102	134
Long-term debt & Convertible subordinated debt	13	-	-	-	-	-	-
Other long term liabilities	19	4	3	3	3	3	3
TOTAL LIABILITIES	450	92	90	95	97	104	136
Total Shareholders' Equity	742	742	2,136	2,152	1,838	1,447	1,485
Non-controlling interest	308	-	-	-	-	-	-
TOTAL LIABILITIES & EQUITY	1,500	833	2,226	2,247	1,935	1,551	1,621

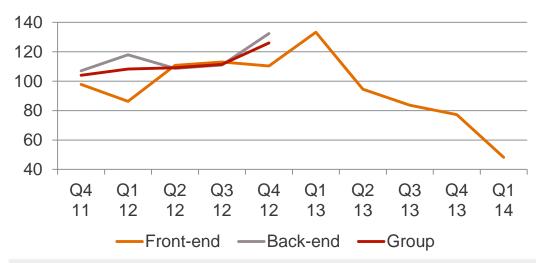
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VALUE (EUR MILLION)



DAYS



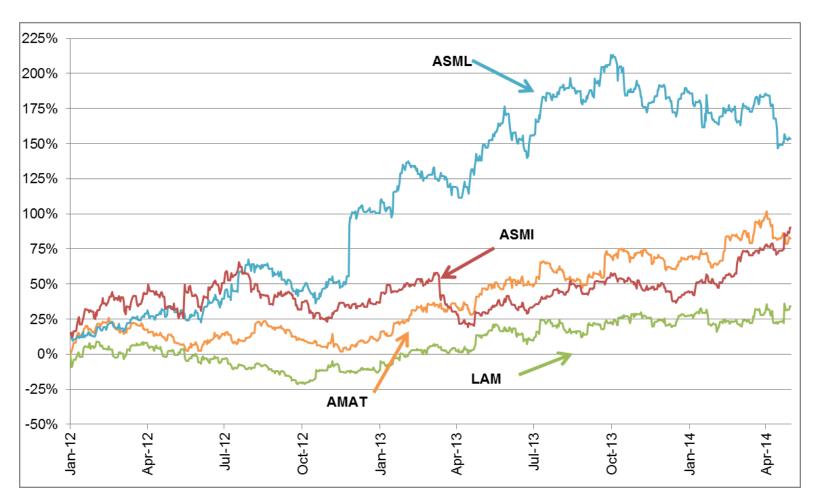
CASH FLOW – GROUP



EUR million	FULL YEAR 2012	comparable FULL YEAR 2012	FULL YEAR 2013	comparable FULL YEAR 2013		comparable Q1 2013	Q2 2013	Q3 2013	Q4 2013	Q1 2014
Net result	40.4	7.1	1,049.3	1,049.3		1,410.2	(23.4)	(0.9)	(336.6)	27.1
Depreciation	56.9	18.8	28.5	20.7		4.8	5.1	5.1	5.7	5.1
Working Capital	(60.8)	(3.9)	(9.9)	(8.7)		(7.6)	(16.8)	21.8	(6.1)	27.1
Restructuring & impairments	0.1	-	(1,007.2)	(1,007.2)		(1,410.9)	40.7	17.2	345.8	-
Associates	0.8	(35.5)	(23.7)	(23.7)		(2.2)	(9.2)	(10.8)	(1.5)	(0.3)
Others	5.1	14.0	11.6	17.2		6.3	4.2	2.0	4.7	3.6
Net cash from operating activities	42.5	0.5	48.5	47.6		0.6	0.6	34.4	12.0	62.6
Net cash from investing activities	(71.9)	(23.7)	284.7	407.2		414.4	0.1	(0.4)	(6.9)	(4.0)
Net cash from financing activities	(73.5)	(63.4)	(307.1)	(285.1)		1.0	(26.9)	(263.9)	4.7	0.7
Exchange rate effects	3.1	3.9	(4.2)	(2.4)	_	3.5	(3.0)	(1.9)	(1.0)	(0.9)
Net increase (decrease) in cash and cash equivalents	(99.8)	(82.7)	21.9	167.3	_	419.5	(29.2)	(231.8)	8.8	58.4

> Financials based on US GAAP

TOTAL SHAREHOLDER RETURN IN 2012 AND 2013



Comparison same sector companies

> Includes dividend payouts and redistribution of capital

TOTAL SHAREHOLDER RETURN LAST 5 YEARS



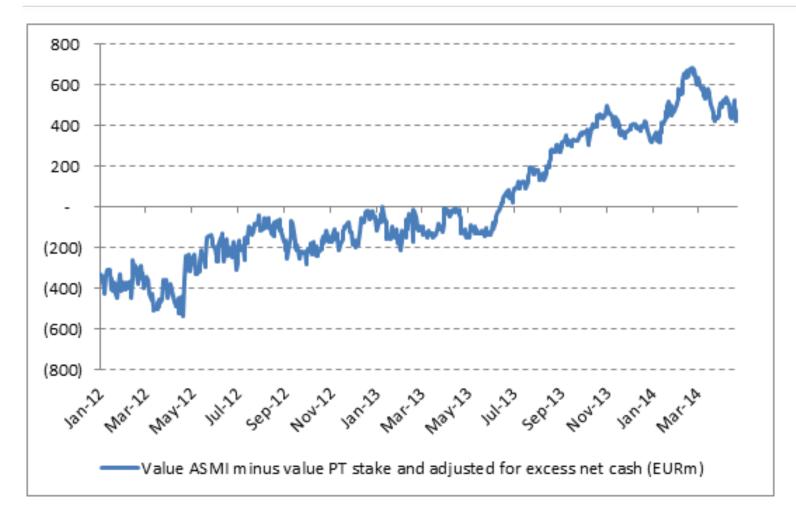


Comparison same sector companies

Includes dividend payouts and redistribution of capital

IMPLIED VALUE





> Strong improvement in implied value from negative EUR 400-500 million in May 2012 to more than EUR 400 million on May 15 2014



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CORPORATE RESPONSIBILITY



- > ASMI follows Electronics Industry Citizenship Coalition (EICC) principles
- > ASMI conducted EICC self assessments in 2013, all were "Low Risk"

> Current status:

- Customer audits in 2013 on EICC compliance were satisfactory
- ASMI's Contract Manufacturers also committed to EICC compliance

> Next steps:

- Drive EICC further into supply chain in 2014
- Corporate Responsibility Report to be released in first half of 2015

Transparency → ASM Internet site – Corporate Responsibility

HEALTH & SAFETY





> Achieved 2013 RCR of 0.30, lowest in ASM recorded history

• We out-performed most of the industry peers

> Underlying Management and Culture change

• Significantly improved global Safety Training and management system

ENVIRONMENT



- > Certified Global Environmental Management System in 2013 (ISO 14001)
- > Regional Scorecards implemented in 2014
- > Key targets in line with SASB Semiconductor Industry
- > Progress made or target met in 3/4 of goals:

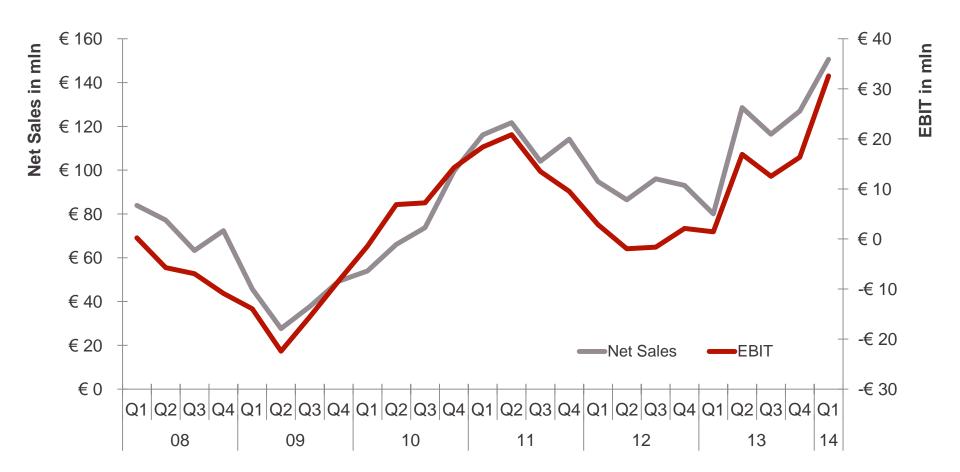
ENVIRONMENT SCORECARD

	OBJECTIVE	UNIT	2012 BASELINE	2013 ACTUAL	
	GHG EMISSION (SCOPE 1 AND 2)	METRIC TON EQUIV CO ₂ (MT-CO ₂ E)	14.24K	14.20K	
MENT	WATER USAGE	M ³	196.2K	199.2K	
ENVIRONMENT	RECYCLED SOLID WASTE	PERCENT (%) OF TOTAL SOLID WASTE	49%	58%	
	UNINTENDED DISCHARGES	TOTAL COUNT	0	0	



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HISTORICAL DEVELOPMENT – FRONT-END



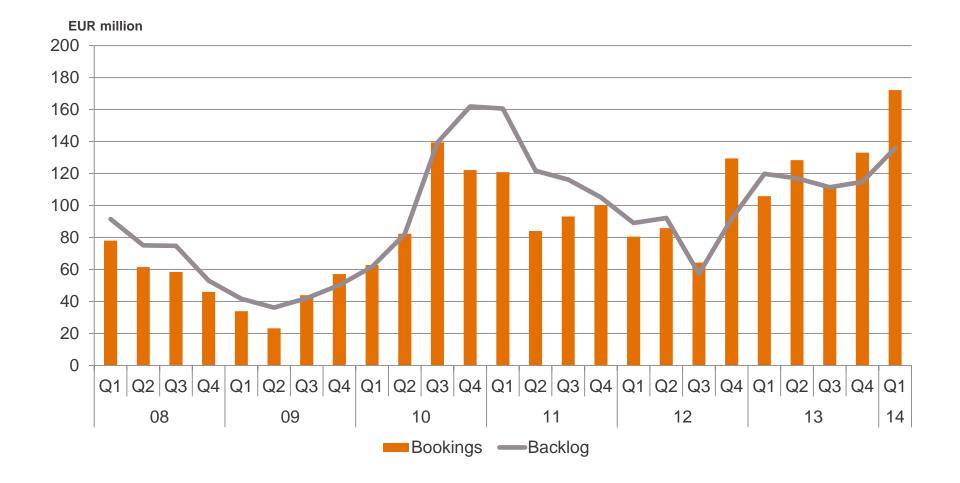
SUMMARY 2013 - FRONT-END



	FULL YEAR	FULL YEAR	Q1	Q2	Q3	Q4	Q1
EUR million	2012	2013	2013	2013	2013	2013	2014
Net Sales	370.4	452.0	80.0	128.6	116.4	126.9	150.7
Gross Margin	124.5	176.2	30.2	50.5	45.6	49.9	65.9
as % of sales	33.6%	39.0%	37.7%	39.3%	39.1%	39.3%	43.7%
Research and development	(58.7)	(58.3)	(13.4)	(15.0)	(14.8)	(15.0)	(14.1)
Selling, general and administrative	(64.4)	(70.7)	(15.3)	(18.6)	(18.2)	(18.6)	(19.2)
EBIT (excl. restructuring)	1.4	47.2	1.4	16.9	12.5	16.3	32.5
as % of sales	0.4%	10.4%	1.8%	13.1%	10.8%	12.9%	21.6%
Bookings	360	480	106	128	112	133	172
Book-to-Bill	1.0	1.1	1.3	1.0	1.0	1.0	1.1

BOOKINGS & BACKLOG – FRONT-END







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PRODUCTS & BUSINESS HIGHLIGHTS

- > ASM focuses on deposition equipment
- > ASM has a leading position in ALD and PEALD:
 - ALD for High-k Metal Gates
 - PEALD spacers for Double Patterning
 - Additional applications in qualification
- > Positions in Epitaxy, PECVD and Vertical Furnaces





A412 Vertical

Furnace



Pulsar XP ALD High-k





> ALD and PEALD further established as mainstream technologies

• ALD and PEALD market outperformed the broader equipment market

> Strong revenue momentum

- ASMI grew revenue by 22% in 2013
- Outperforming the overall equipment market, which declined 8%

> Improved profitability

- Gross margin increased to 39%
- Programs in place for further margin enhancements

> Solid balance sheet

- Over EUR 300m in cash, no debts
- Strongly improved cash flow



> 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
- Device scaling, new materials and vertical transistors

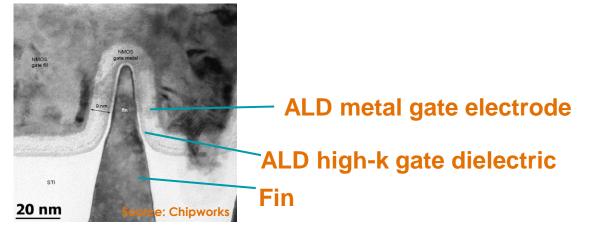
> Strong growth of ALD market

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

ASM'S COMPETITIVE ADVANTAGES

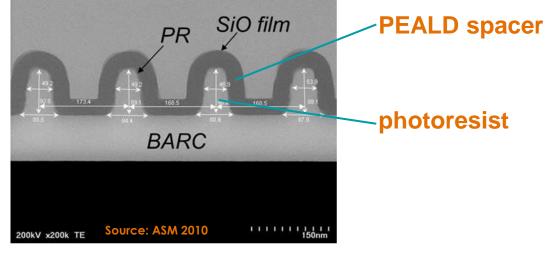


ASM's ALD films are deposited conformally on top of the Fin



FinFET cross section

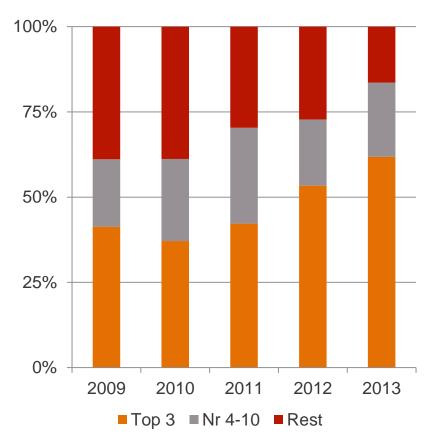
ASM's PEALD SiO films are deposited conformally on photoresist



Cross section of photoresist

ASM

- Wider adoption amongst top capex customers
- Diversification of customer base from Logic to Memory and Foundries
- > Weight of Asia growing



ASMI REVENUE

Growing share of wallet with top clients

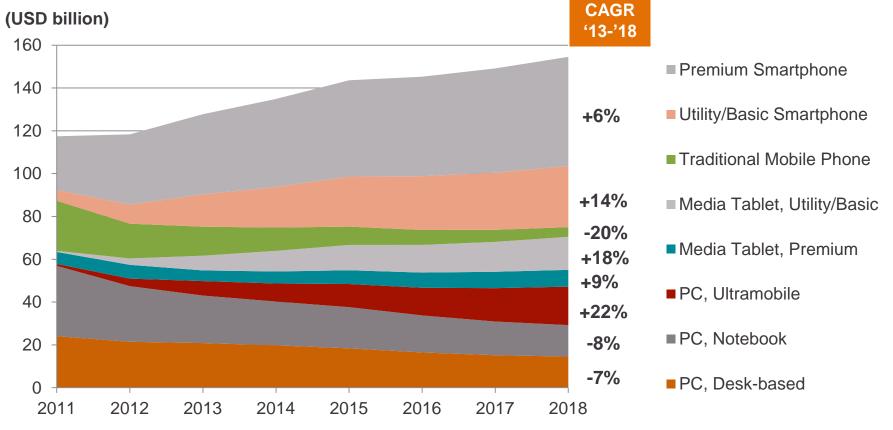


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SEMICONDUCTOR GROWTH DRIVERS



SEMICONDUCTOR SALES BY KEY APPLICATION



Source: Gartner, April 2014

Semiconductor growth drivers are mobile devices

ASM MARKETS



WAFER FAB EQUIPMENT BY TECHNOLOGY NODE

(USD billion)



Source: Gartner, April 2014

Forecast shows strong growth in advanced technology nodes 22nm, 14nm and 10nm



Based upon the current backlog and our current visibility:

For Q2 2014 we expect for sales a low single digit decrease, on a currency comparable base. For the second half of 2014, the current visibility remains limited. After the very high order intake in Q1, the Q2 2014 order intake is expected to show a strong double digit decrease as compared to Q1 2014, on a currency comparable base.



- > Reduced shareholding in ASMPT from 52% to 40% in March 2013
- Revenue increased 22% compared to 2012, outperforming the overall wafer fab equipment market
- > ALD and PEALD strongly developed further traction in 2013
- > Achieved strong gross margin improvements in 2013
- Company believes to be well positioned to benefit from the semiconductor end product growth drivers in 2014-2018
- > Technology shift in the industry will require more ALD/PEALD



