

2018 Interim Results Announcement

July 25, 2018





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ASMPT Recognized as TOP 100 Global Tech Leaders



"The Top 100 Global Technology Leaders are the organizations poised to propel the future of technology", Brian Scanlon, Chief Strategy Officer

Thomson Reuters, 2018

The **ONLY** Back-end Equipment Supplier Being Recognized

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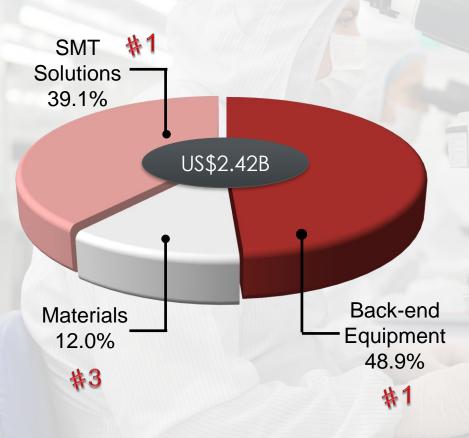






A World's Technology & Market Leader

Q2 2018 LTM Group Revenue (CAGR 2008- Q2 2018 LTM 13.7 %)

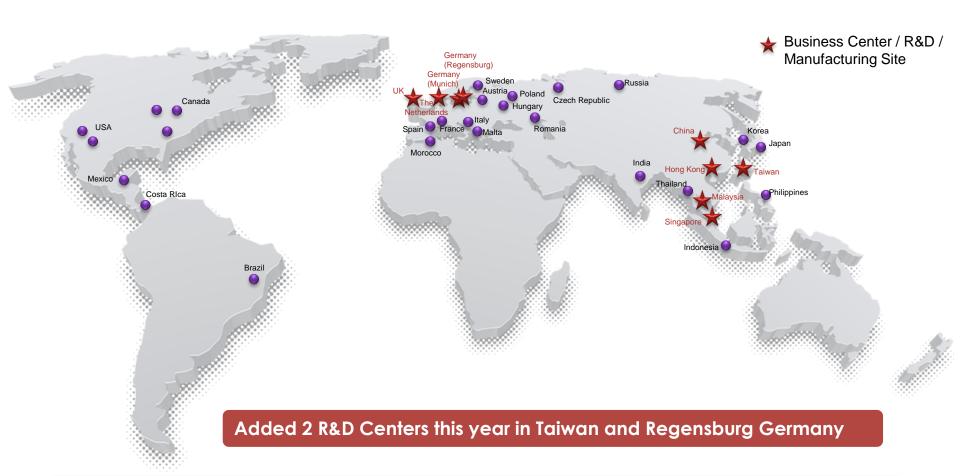


- A leading Integrated Solutions
 Provider in the semiconductor
 assembly and packaging industry as
 well as in the SMT solutions market
- A leading player for CIS, LED, and Automotive
- 3 high growth markets accounted for 50% of group revenue in 1H2018





ASMPT Global Presence





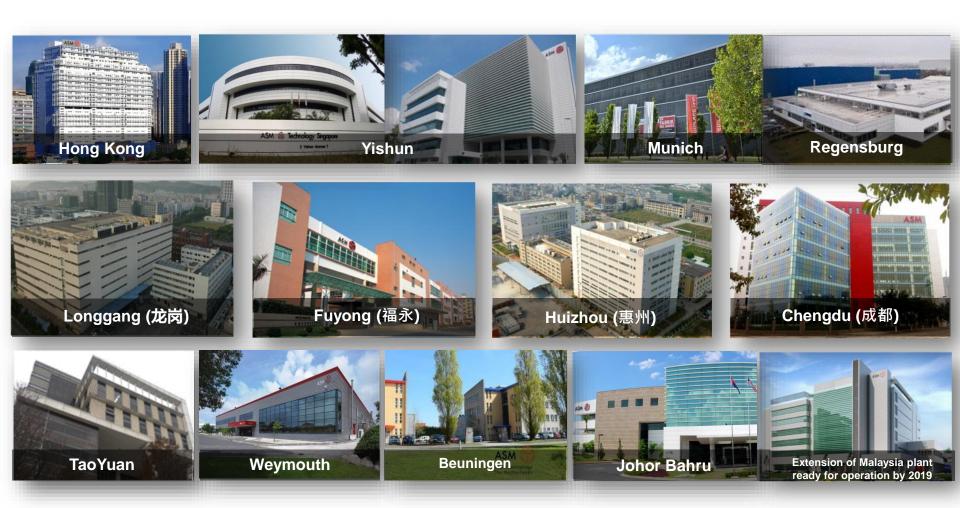








ASMPT Major Facilities around the World





Three Business Segments With Leading Market Positions

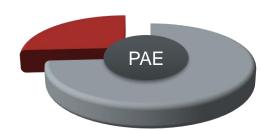
Worldwide Market Position & Share

Back-end Equipment

#

Assembly & Packaging Equipment Market

~25% (2017)



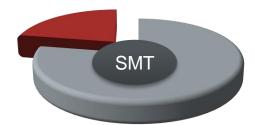
- #1 Die Bonders
- #2 Wire Bonders
- #1/2 Flip Chip Bonders
- #1 Thermal Compression Bonders (TCB)
- #1 LED Packaging Equipment
- #1 CMOS Imaging Sensors (CIS) Equipment
- #2 Encapsulation & Post Encapsulation Solutions
- #4 Turret Test Equipment (Test Handlers)
- #2 Laser Dicing and Grooving

SMT Solutions



SMT Equipment Market

~22% (2017)



Materials



~8.7% (2017)



Sources:

Market share for Back-end Equipment is based on information on packaging and assembly equipment market by VLSI, leadframe market by SEMI, and SMT market by ASMPT SIPLACE Market Intelligence







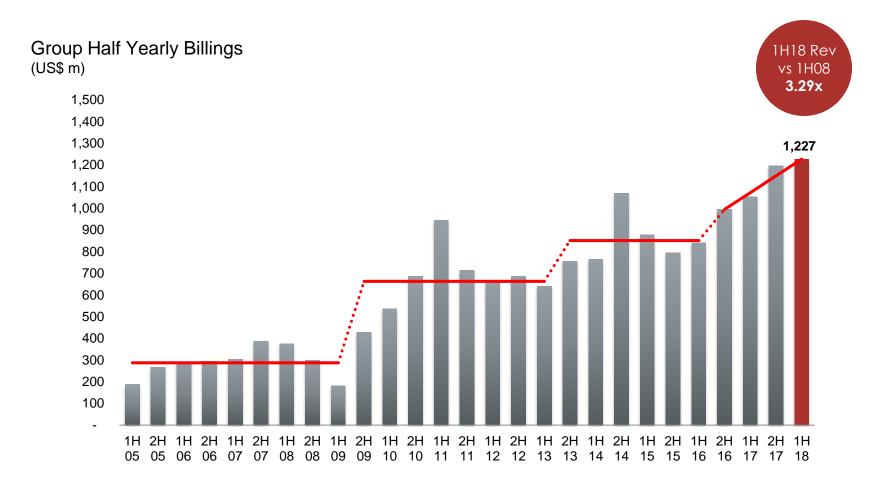
Strong 1H/Q2 2018 Bookings/Billings Growth

	1H Bookings		1H Billings		
	ҮоҮ НоН		YoY	НоН	
Back-end Equipment	1 16.9%	↑ 60.9%	1 4.4%	↑ 20.1%	
Materials	↓ 7.5%	1 2.6%	1 2.1%	↑ 8.7%	
SMT Solutions	↑ 25.3%	1 22.9%	1 24.6%	↓ 16.4%	
Group	1 6.7%	↑ 38.4%	1 7.5%	↑ 3.0%	

	Q2 Bookings		Q2 Billings		
	YoY QoQ		YoY	QoQ	
Back-end Equipment	↑ 8.4%	↓ 12.9%	1 7.6%	↑ 28.8%	
Materials	↑ 3.3%	↑ 5.5%	↑ 7.1%	1 2.1%	
SMT Solutions	↑ 14.1%	↑ 8.0%	1 26.3%	1 7.8%	
Group	1 0.1%	↓ 3.5%	1 9.1%	↑ 21.3%	



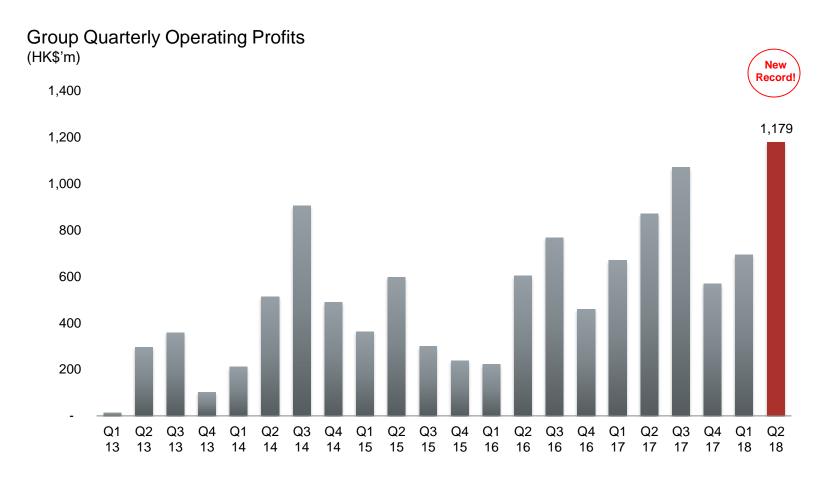
ASMPT Entering a High Growth Period



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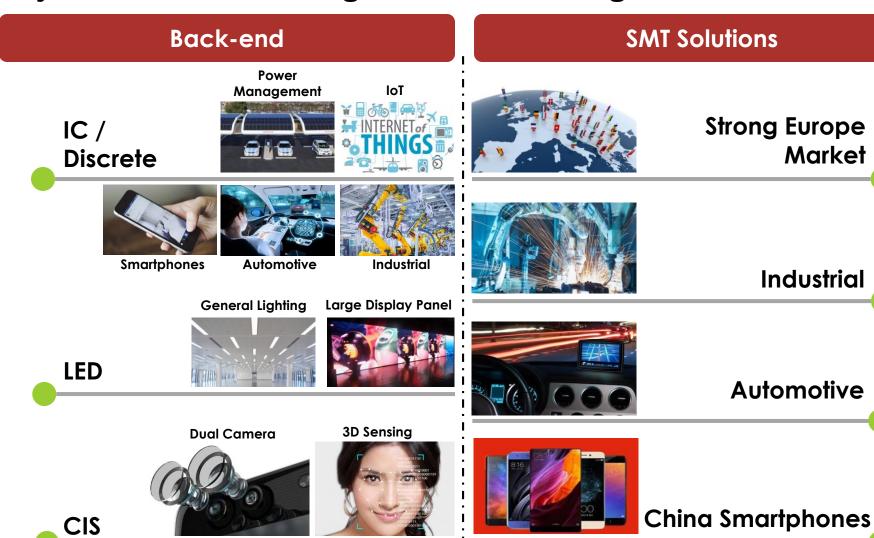
Record High Quarterly Operating Profits



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Major Drivers for Strong 1H 2018 Bookings





1H/Q2 2018 Group Financial Highlights

	Q2 2018 YoY QoQ		1H 2018		
			YoY	НоН	
Bookings	1 0.1%	↓ 3.5%	1 16.7%	↑ 38.4%	
Billings	↑ 19.1%	↑ 21.3%	↑ 17.5%	↑ 3.0%	
Gross Margin	↑ 223bps	↑ 567bps	↑ 17bps	↑ 68bps	
EBIT	↑ 31.4%	↑ 58.0%	↑ 22.5%*	↑ 14.7%	
Net Profit	↑ 4.1%	↑ 27.0%	↑ 9.4%*	↑ 6.2%	
Net Profit Margin	♥ 214bps	↑ 67bps	↓ 108bps*	↑ 44bps	

^{*}Excludes adj. of liability component of CB



Q2 2018 Segments Highlights

Q2 2018	Back-end Equipment Segment		Materials Segment		SMT Solutions Segment	
	YoY	QoQ	YoY	QoQ	YoY	QoQ
Bookings	↑ 8.4%	4 12.9%	↑ 3.3%	↑ 5.5%	1 4.1%	↑ 8.0%
Billings	1 7.6%	↑ 28.8%	↑ 7.1%	↑ 2.1%	1 26.3%	1 7.8%
Gross Margin	↑ 278bps	↑ 649bps	↑32bps	↑14bps	↑ 115bps	↑ 408bps
Segment Profit	↑ 31.3%	↑ 71.6%	↑ 29.7%	↑ 14.3%	↑ 48.2%	↑ 69.2%
Segment Profit Margin	↑ 315bps	↑ 755bps	↑ 131bps	↑80bps	↑ 275bps	↑ 565bps

BE Equipment achieved new Billing records in both Q2/1H

BE Equipment achieved GM of 50.8% in Q2, new high since 2010

Materials Segment set new Billing records in both Q2/1H

SMT achieved new Bookings record of US\$570M in 1H

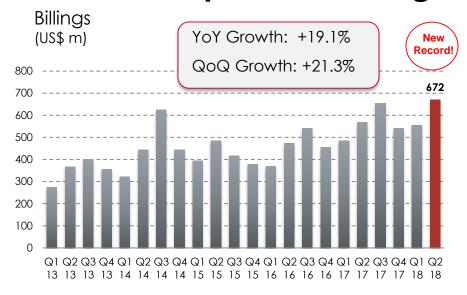


1H 2018 Segments Highlights

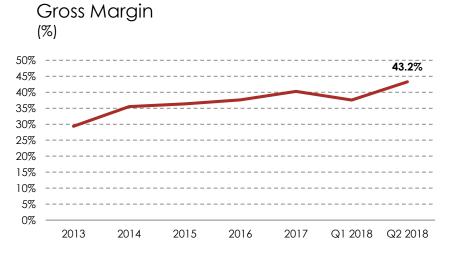
1H 2018	Back-end Equipment Segment		Materials Segment		SMT Solutions Segment	
	YoY	НоН	YoY	НоН	YoY	НоН
Bookings	↑ 16.9%	↑ 60.9%	↓ 7.5%	↑ 12.6%	↑ 25.3%	↑ 22.9%
Billings	↑ 14.4%	↑ 20.1%	↑ 12.1%	↑ 8.7%	↑ 24.6%	↓ 16.4%
Gross Margin	↑ 59bps	↓ 59bps	↓ 38bps	↓ 35bps	↓ 40bps	↑ 117bps
Segment Profit	↑ 18.6%	↑ 33.9%	↑ 12.8%	↑ 56.3%	↑ 35.2%	↓ 21.1%
Segment Profit Margin	↑94bps	↑ 278bps	↑ 5bps	↑ 217bps	↑ 126bps	∮ 96bps

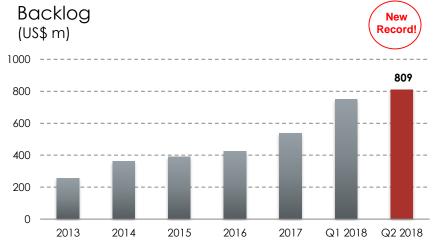


Q2 2018 Group Financial Highlights



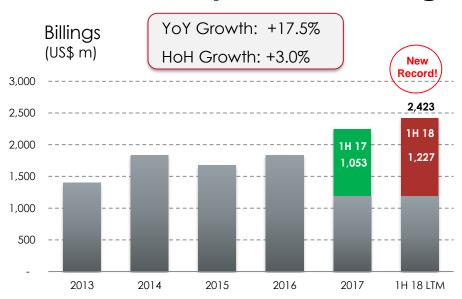




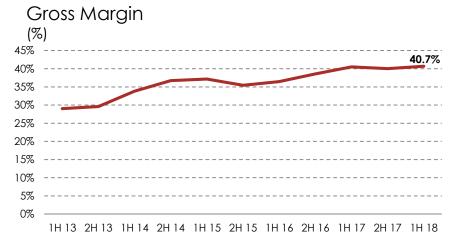




1H 2018 Group Financial Highlights







➤ LTM Group Revenue and Bookings hit record levels and amounted to US\$2.42B and US\$2.55B respectively







Key Strategies for Sustainable Growth & Profitability

GAIN MARKET SHARE

- Wire bonding
- Die bonding
- Lead Frames
- □ SMT

INVEST IN NEW GROWTH AREAS

- CMOS Image Sensor
- Automotive
- Power Management
- Advanced Packaging
- Data Communication
- Micro / Mini LED

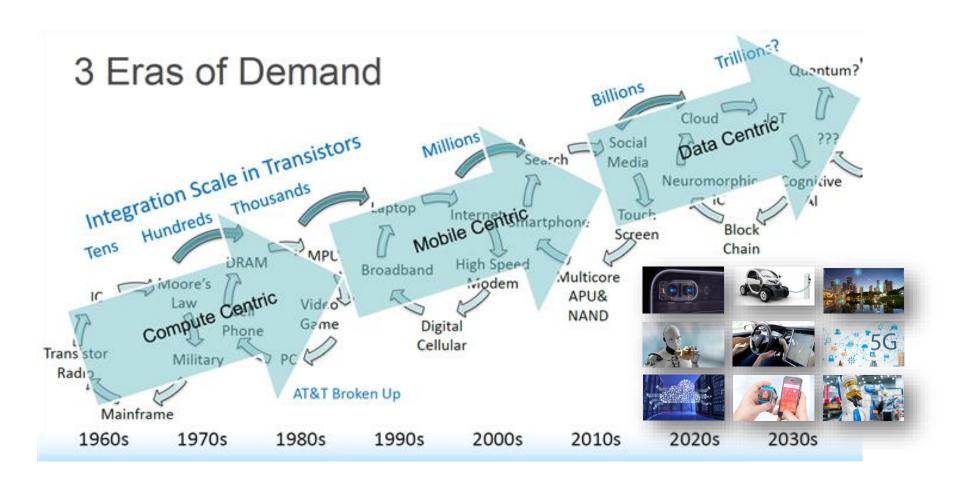


- SMT Placement
- SMT Printing
- LASER Grooving / Dicing
- MIS
- AMICRA

Continue to Fine-Tune
Organization Structure & Business Strategies



Dawn of the Data Centric Era



Source: VLSI Research, ISS US, January 2018

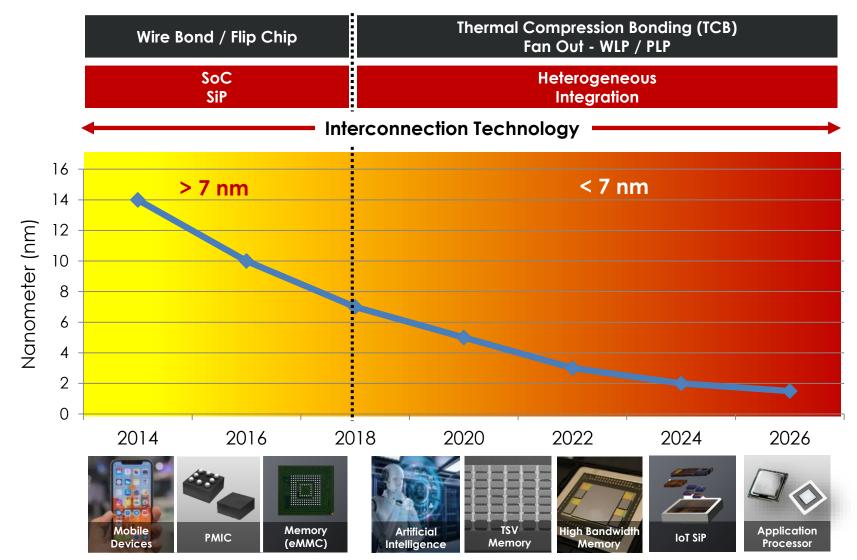


Huge amounts of Data will Spur Semiconductor Demand



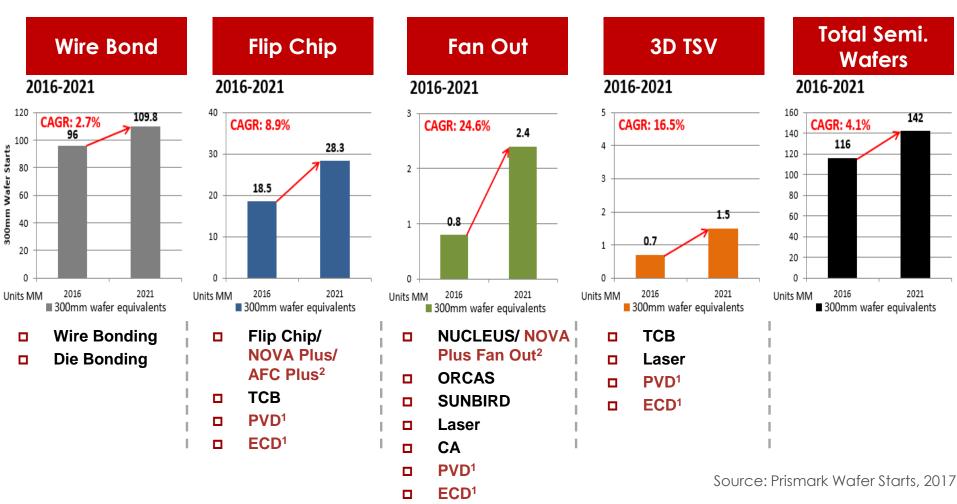


Technology Roadmap - Advanced Packaging





ASMPT is Covering All Interconnection Technologies



¹ NEXX Product

² AMICRA Product



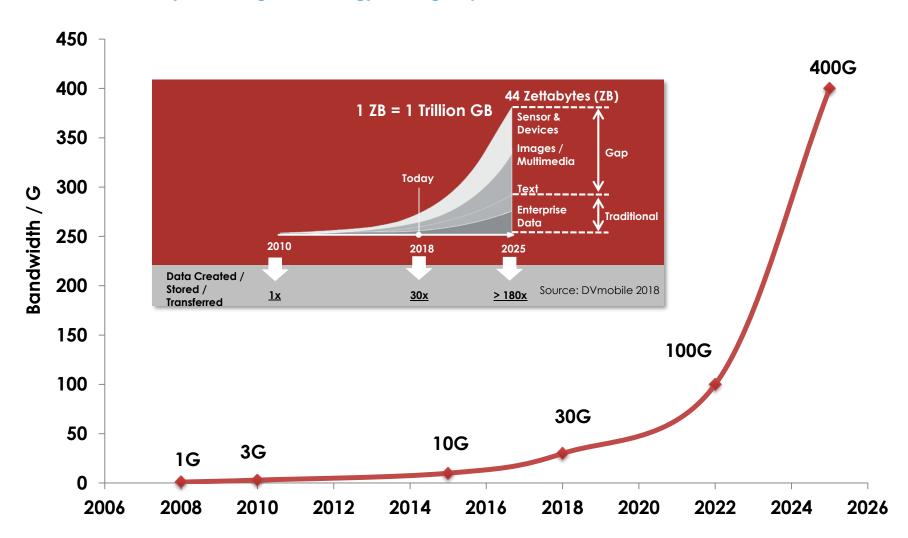
ASMPT is Recognized by Customers as Leader in Advanced Packaging

- > ASMPT is involved in most of our customers' development programs in Advanced Packaging
- > ALSI Dicing and Grooving business performed very well this year
 - 1H18 Billings and Bookings had surpassed full year 2017 Billings and Bookings
- TCB has been accepted by more customers
 - > Expect some of these customers will reach volume production by next year
 - High Performance Computing (HPC) for AI, finer wafer node technology, and Heterogeneous Integration (HI) may become drivers for wider adoption for TCB
- NUCLEUS pick-and-place equipment has established itself as a definitive benchmark in the WLFO and PLFO markets
 - Highest productivity with accuracy of down to 3 microns plus capability of handling 600mm x 600mm panels
- SUNBIRD, our pick-test-inspect-packing machine for wafer level packages, was one of the contributors to the strong performance of BE equipment business in 1H18
 - Expect demand for SUNBIRD to increase further with introduction of 5G smart phones



DATA is the **NEW** OIL

Si-Photonics is Key Enabling Technology for High Speed Data Transfer within and between Data Centres





An Unparalleled Product Portfolio for Advanced Packaging



(TCB)











SIPLACE CA (SiP Pick & Place)

NUCLEUS (FO WLP & PLP – Pick & Place)

ORCAS (Fan-out Molding)

LASER 1205 (Singulation)

SUNBIRD (WLP Test & Pack)

Investing Ahead of the Curve







AMICRA AFC Plus



NEXX Conductor FO/FI (PVD)



NEXX Stratus[™] P500 (ECD)











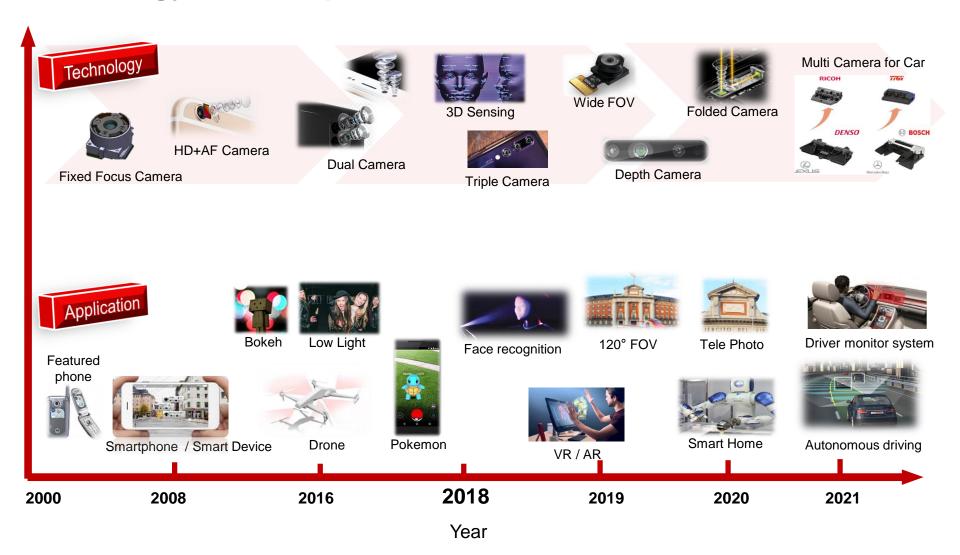








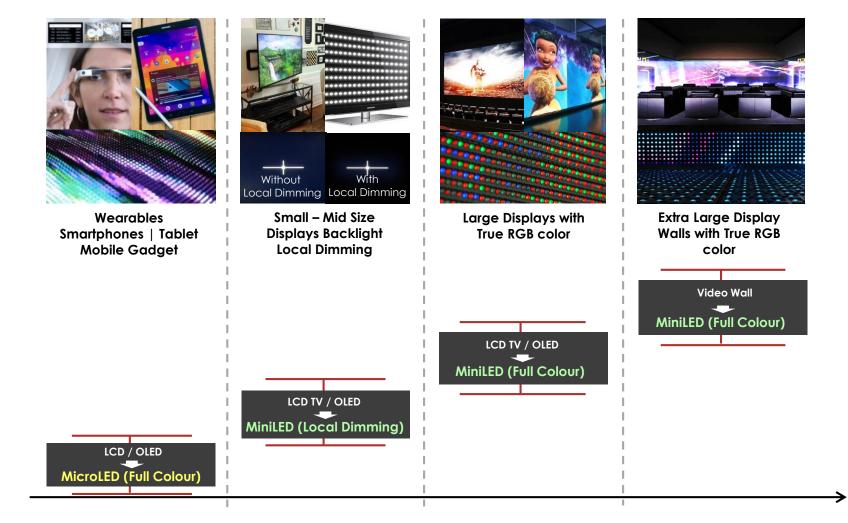
Technology Roadmap for CIS/AA



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Technology Roadmap for Display Applications



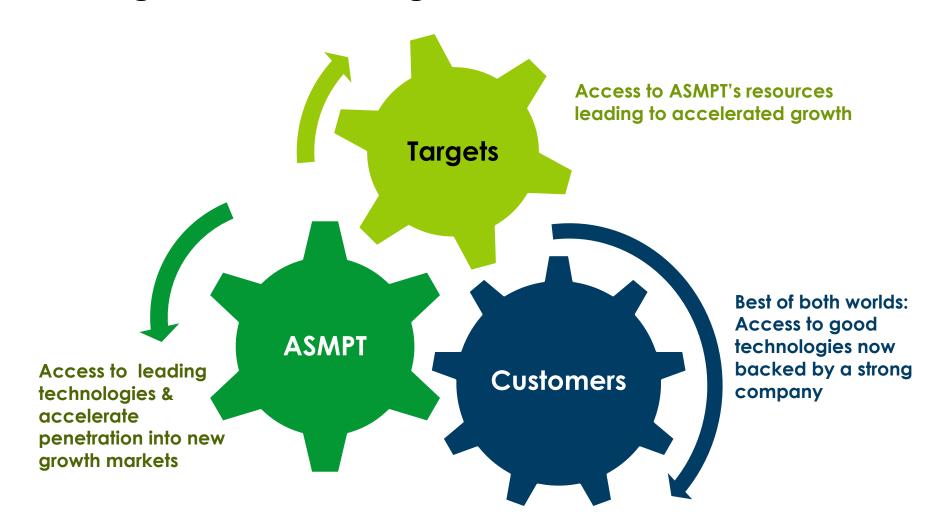


New Target Market for ASMPT -- Memory





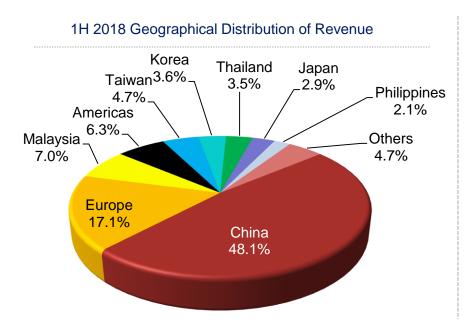
Continuing to Pursue Strategic M&A

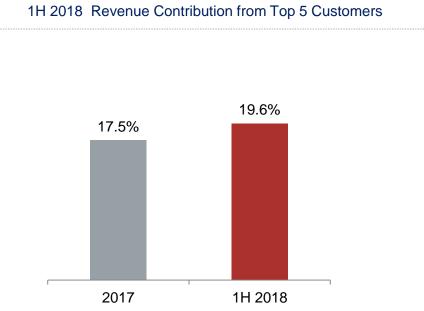




Continue To Build Business On An Extensive Customer Base

- No single customer accounted for more than 10% of the Group's revenue
- > Top 5 customers collectively accounted for 19.6% of the Group's 1H 2018 sales revenue
- Top 20 customers include world's leading IDMs, Tier 1 OSAT, major OSATs in China, key LED players, major camera module makers, top EMS providers, and leading automotive component suppliers
- Among the top 20 customers of the Group, 4 were from SMT Solutions segment, and 3 were key customers from both Back-end business and SMT Solutions segment





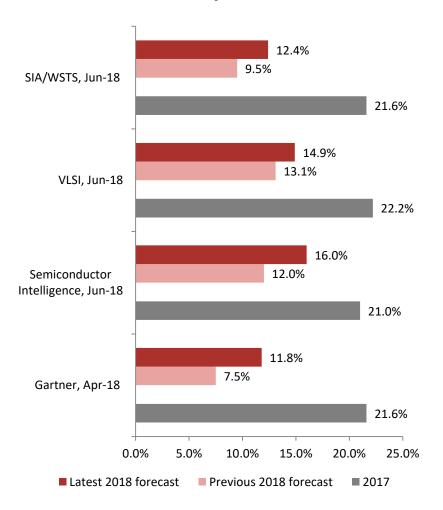




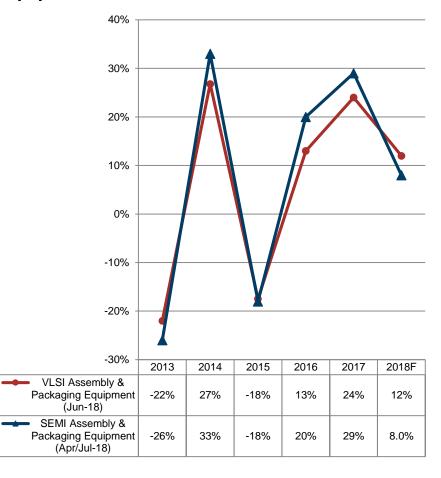


Industry Growth Forecast (2017-2018)

Semiconductor Industry



Forecast Global Assembly & Packaging Equipment Market





Semiconductor Industry Growth Forecast (2018-2019)

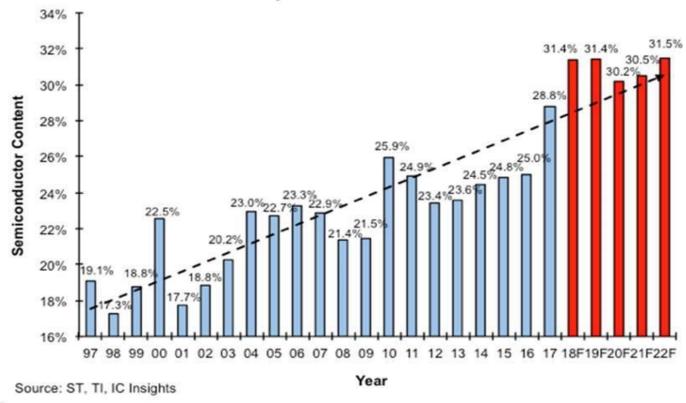
YoY Growth	2018F			2019F
	Revised		Previous	Initial
Americas	14.0%	$\mathbf{\downarrow}$	16.8%	4.6%
Europe	13.4%	1	6.6%	4.7%
Japan	8.6%	1	6.6%	4.2%
Asia Pacific	12.3%	1	7.7%	4.3%
Total World	12.4%	1	9.5%	4.4%
Discrete	9.0%	1	6.7%	4.4%
Optoelectronics	3.4%	$\mathbf{\downarrow}$	11.1%	5.7%
Sensors	5.8%	\downarrow	8.0%	6.1%
Integrated Circuits	13.8%	1	9.5%	4.2%
Analog	9.5%	1	8.1%	5.1%
Micro	3.5%	\downarrow	7.1%	3.7%
Logic	7.1%	\downarrow	9.3%	4.8%
Memory	26.5%	1	11.6%	3.7%
Total Products	12.4%	1	9.5%	4.4%

Source: SIA/WSTS, June 2018



Semi Content in Electronic Systems Forecast to Reach 31.4% in 2018

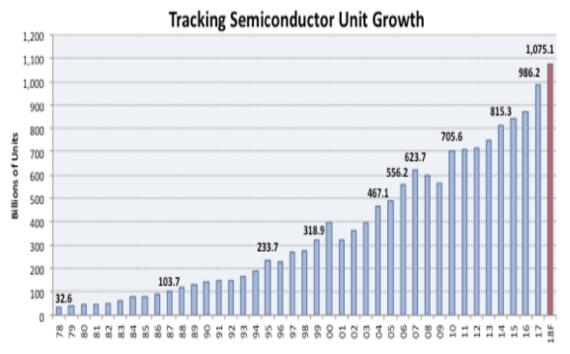




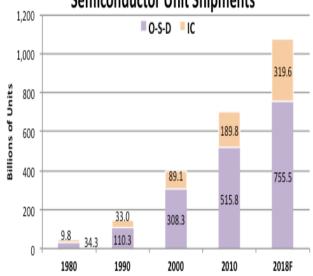
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Semiconductor Shipments Forecast to Exceed 1 Trillion Devices in 2018



Opto, Sensor, Discretes Account for Bulk of Semiconductor Unit Shipments



Source: IC Insights, January 2018



Outlook

- Expect 2018 to be a year of growth for the Group compared with 2017 and anticipate Group Billings to set new record
 - Unless market conditions deteriorate drastically in 2H18
- Anticipate Q3 Group Billings to be in range of US\$650M-US\$700M, given the strong backlog
 - Expect QoQ improvement for SMT Billings, with increased contribution from Asian market for SMT in Q3 in line with typical seasonal pattern for this segment and our momentum in China/India
 - BE equipment Billings may experience small decline from the peak achieved in Q2
 - Materials Billings expected to be flat compared with Q2
- Expect Group Bookings in Q3 to be lower QoQ due to typical seasonal effects
 - > Difficult to work out reliable forecast due to uncertain global economic and political circumstances
- > Expect Group GM may decline by 1.5%-3% from Q2 18 due to product/geographical mix
- On a longer term basis, believe we are entering into an exciting era of the industry and a high growth period for ASMPT
- Industry being driven by diversified growth drivers and ASMPT is well positioned to capture those opportunities



ASMPT Sustainable Competitive Advantages

- Multiple product growth drivers (and a strong leader in a few of these drivers including CIS/AA, LED, Automotive, TCB)
- Diversified product portfolio addressing multiple applications markets
- Unique and comprehensive product portfolio in Advanced Packaging
- Broad and diverse customer base
- Breadth and depth of enabling technologies
- Investing ahead of the curve and bearing fruits
- Strong and extensive marketing/support network
- Size, scale and strong balance sheet & financial resources
- Steadfast execution of strategies
- Keep reinventing itself











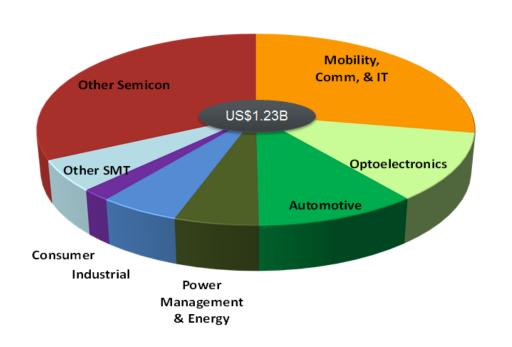




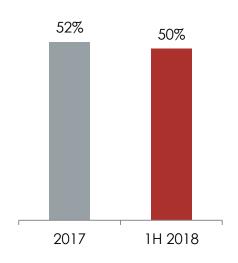




ASMPT Revenue Breakdown by Application Markets (1H 18)



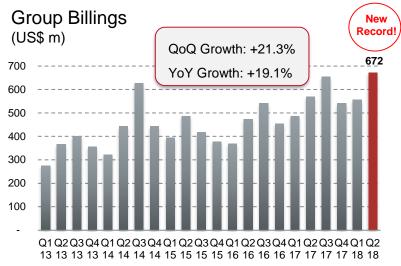
Mobility, Comm & IT, Optoelectronics and Automotive % of Group Revenue

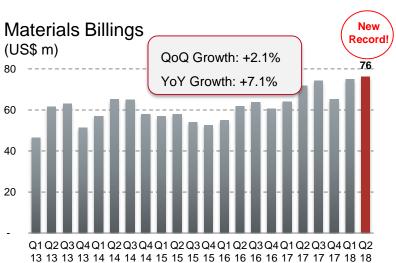


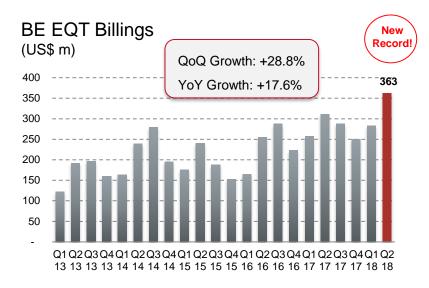
Multiple Application Markets is a key strategy

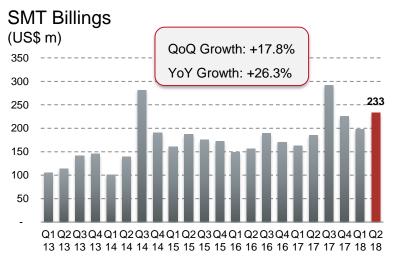


Q2 2018 Quarterly Billings



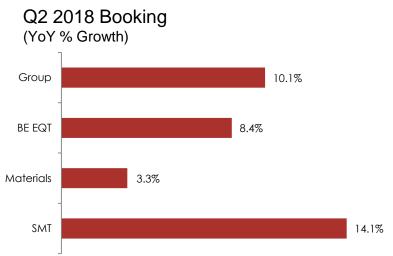


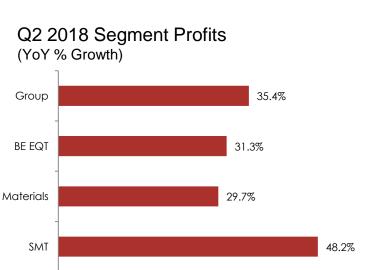


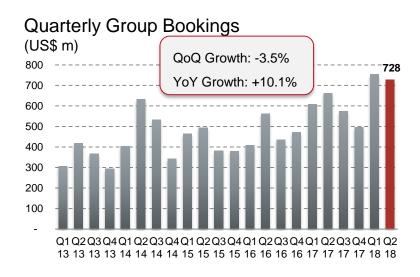




Q2 2018 Booking, Backlog and Segment Profits









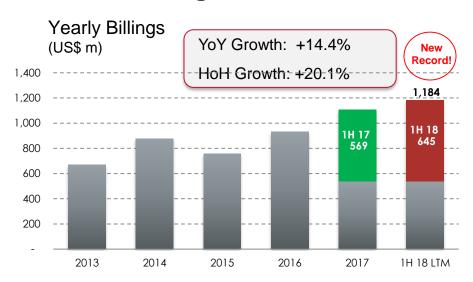


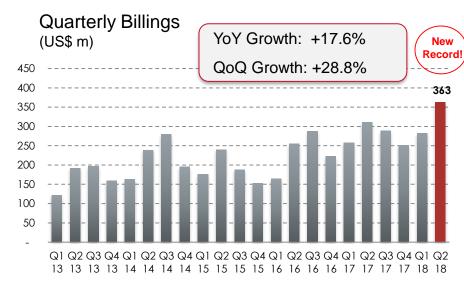
1H/Q2 2018 Segment Results – Back-End Equipment Business

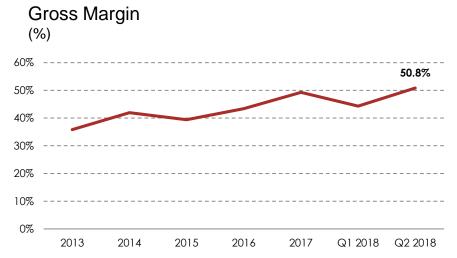
	Q2 2018	QoQ	YoY	1H 2018	НоН	YoY
Bookings (USD)	354.2m	↓ 12.9%	↑ 8.4%	760.9m	↑ 60.9%	↑ 16.9%
Billings (USD)	362.7m	↑ 28.8%	↑ 17.6%	645.3m	↑ 20.1%	↑ 14.4%
Gross Margin	50.8%	↑ 649bps	↑ 278bps	48.0%	↓ 59bps	↑ 59bps
Segment Profit (HKD)	861.9m	↑ 71.6%	↑ 31.3%	1,364m	↑ 33.9%	↑ 18.6%
Segment Profit Margin	30.3%	↑ 755bps	↑ 315bps	27.0%	↑ 278bps	↑ 94bps

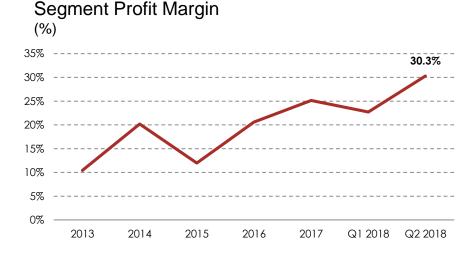


1H/Q2 2018 Segment Results – Back-End Equipment Business









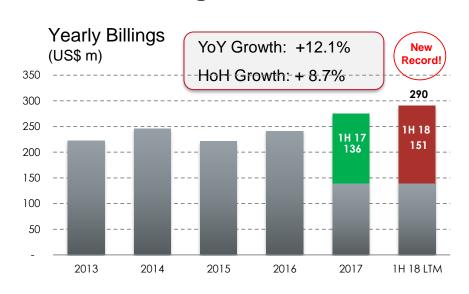


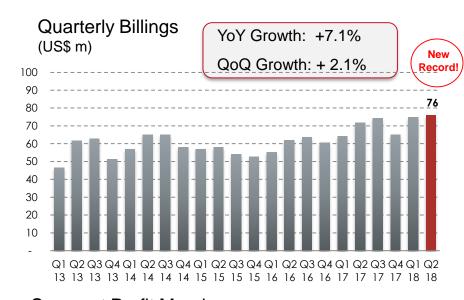
1H/Q2 2018 Segment Results – Materials Business

	Q2 2018	QoQ	YoY	1H 2018	НоН	YoY
Bookings (USD)	77.5m	↑ 5.5%	↑ 3.3%	150.9m	↑ 12.6%	↓ 7.5%
Billings (USD)	76.1m	↑ 2.1%	↑ 7.1%	151.0m	↑ 8.7%	↑ 12.1%
Gross Margin	13.3%	↑ 14bps	↑ 32bps	13.2%	↓ 35bps	↓ 38bps
Segment Profit (HKD)	44.9m	↑ 14.3%	↑ 29.7%	84.1m	↑ 56.3%	↑ 12.8%
Segment Profit Margin	7.5%	↑ 80bps	↑ 131bps	7.1%	↑ 217bps	↑ 5bps



1H/Q2 2018 Segment Results – Materials Business







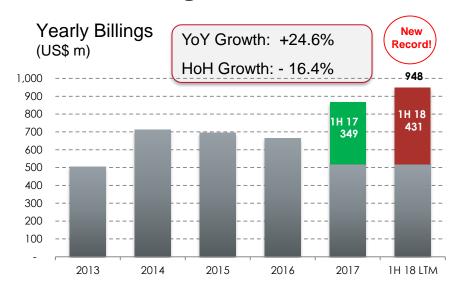


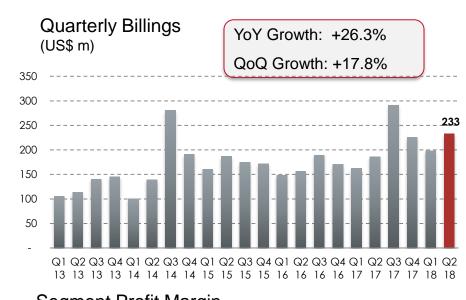
1H/Q2 2018 Segment Results – SMT Solutions Business

	Q2 2018	QoQ	YoY	1H 2018	НоН	YoY
Bookings (USD)	296.1m	↑ 8.0%	↑ 14.1%	570.1m	↑ 22.9%	↑ 25.3%
Billings (USD)	232.7m	↑ 17.8%	↑ 26.3%	431.0m	↓ 16.4%	↑ 24.6%
Gross Margin	41.3%	↑ 408bps	↑ 115bps	39.4%	↑ 117bps	↓ 40bps
Segment Profit (HKD)	339.5m	↑ 69.2%	↑ 48.2%	540.2m	↓ 21.1%	↑ 35.2%
Segment Profit Margin	18.6%	↑ 565bps	↑ 275bps	16.0%	♥ 96bps	↑ 126bps

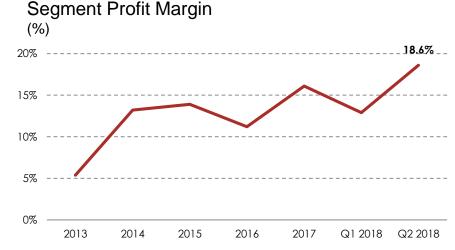


1H/Q2 2018 Segment Results – SMT Solutions Business



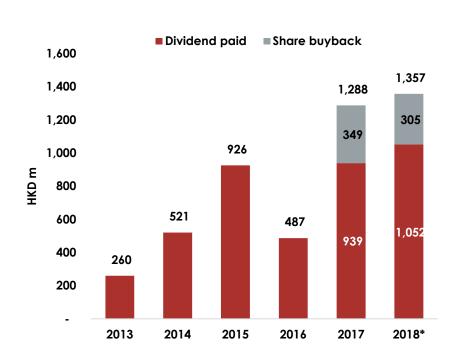


Gross Margin (%) 50% 41.3% 40% 20% 20% 2013 2014 2015 2016 2017 Q1 2018 Q2 2018



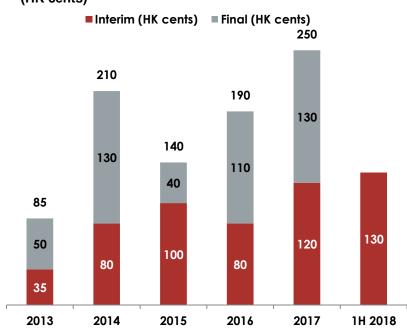


Return of Capital to Shareholders



Cumulative cash returned: HKD4.8B

Dividend Per Share (HK cents)



Share Buyback Program

Repurchased 6,056,400 shares from Sep 2017 to Jun 2018 for a consideration of HK\$654.1M

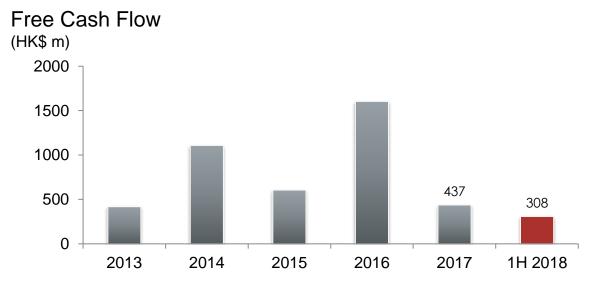
Cash Dividend Policy

Sustainable and gradually increasing

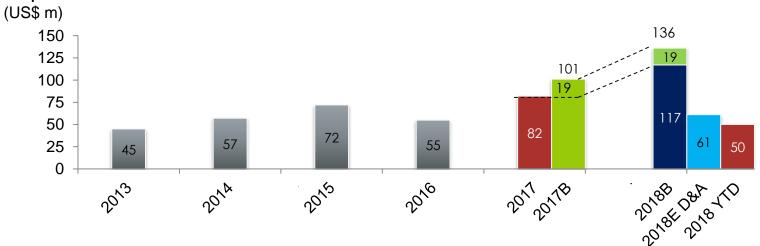
^{*} Per Year-to-date share repurchased, paid dividend and proposed interim DPS of HKD1.30



Free Cash Flow and Capital Investment



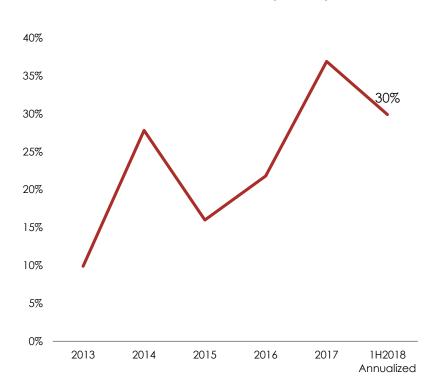
Capital Investment



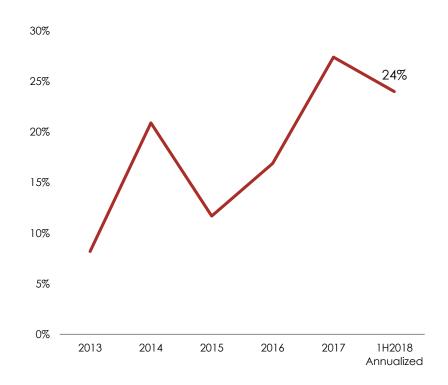


Financial Metrics

Return On Invested Capital (ROIC)



Return On Equity (ROE)

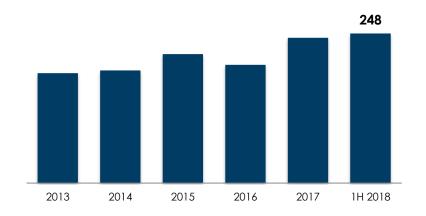




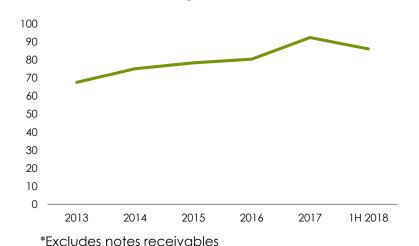
Working Capital Management



Cash Conversion Cycle (Days)

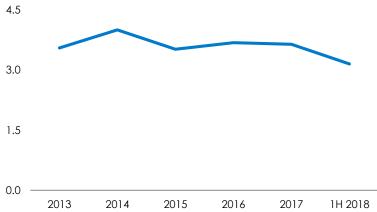


Days Sales Outstanding*



2013 2014 2015 20

Inventory Turnover









Recent Awards & Recognition

 Technology Achievement Grand Award of HKIA 2017 (for the third time)
 Federation of HK Industries





Directors of the Year Awards 2017
 Hong Kong Institute of Directors





Hong Kong Outstanding Enterprises 2017
 HK Economic Digest





2017 All Stars of the Semiconductor Industry
 VLSI Research

VLSIresearch's 2017 All Stars



Recent Awards & Recognition

> Factory of the Year 2016 Award (for SMT) by Produktion/AT Kearney



- Ranked among Top 10 of Best Managed HK Companies
- Ranked among Top 10 of Best at Investor Relations



- 2017 & 2018 "Triple Crown" with RANKED 1st/10 BEST/THE BEST Suppliers Awards from VLSIresearch
- 2016-17 Corporate Governance Asia Best Investor Relations Company (HK)
- > 2017 Corporate Governance Asia Best CEO (Investor Relations)



2015 Hong Kong Awards for Industries: Technology Achievement Grand Award





VLSI Awards 2018

		GENERAL STATES							
10 BEST Rank 10 BEST CHIP MAKING EQUIPMENT SUPPLIERS OF 2018 Rating St									
	1	TERADYNE	9.25	****					
	2	ADVANTEST.	9.10	****					
	3	ASML	9.05	****					
A R G E	4	Hitachi Kokusai Electric	8.90	****					
	5	T C L	8.45	****					
	6	APPLIED MATERIALS.	7.55	****					
	7	ASM Pacific Technology	7.45	***					
	8	Hitachi High-Tech	7.45	***					
F O C U S E D	1	Plasma •Therm	9.01	****					
	2	Д АМЕС	8.95	****					
	3	 ♦ FORMFACTOR	8.94	****					
	4	SPTS	8.90	****					
	5	Xcerra	8.76	****					
	6	E V G	8.42	****					
	7	ACCRETECH TOKYO SEIMITSU	7.22	***					





RATINGS FOR THE BEST SUPPLIERS OF 2018

	ASSEMBLY EQUIPMENT			VLSI STARS
-1	ASM Pacific Technology		7.47	***





ENABLING THE DIGITAL WORLD

