

#### **Presentation Disclaimer**

The information herein contains forward-looking statements. We have based these forward-looking statements on our current expectations and projections about future events. Although we believe that these expectations and projections are reasonable, such forward-looking statements are inherently subject to risks, uncertainties and assumptions about us, including, among other things: the intensely competitive Semi-conductor, and LED industries and markets; Cyclical nature of the semiconductor industry; Risks associated with global business activities; General economic and political conditions. All financial figures discussed herein are prepared pursuant to IFRS. All audited figures will be publicly announced upon the completion of our audited process.

### Company at a Glance

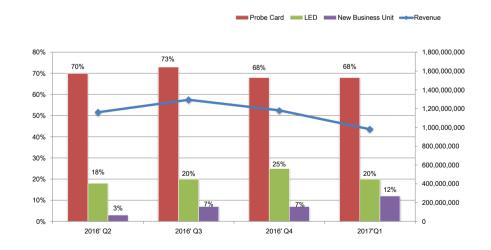


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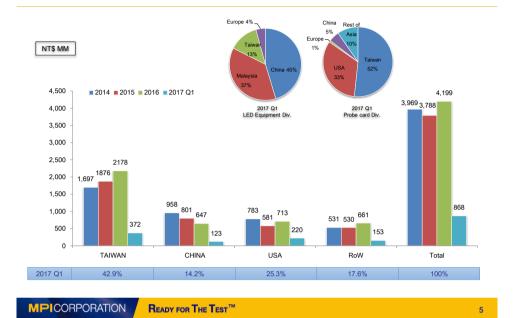
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#### **Business Portfolio**



### Net Sales by Geographic



#### Agenda

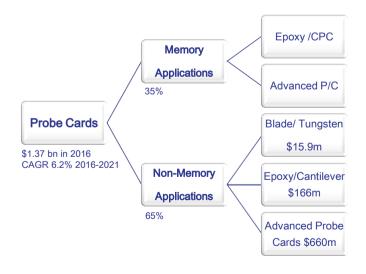
#### ■Business Contents

- •Semi-conductor (Probe Card)
- Photonics Automation (LED)
- Thermal & AST

#### ■Financial Statements



#### **Global Probe Card Market Update**



## Top 10 Probe Card Vendors (2011-2016)

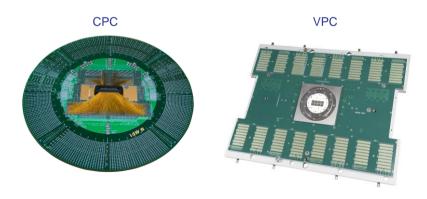
(Rank)		2011	2012	2013	2014	2015	2016
FormFactor, Inc.	USA	2	2	1	1	1	1
Micronics Japan Co., Ltd.	Japan	1	1	2	2	2	2
Technoprobe	Italy	5	5	3	3	3	3
Japan Electronic Materials	Japan	3	3	4	4	4	4
MPI Corporation	Taiwan	8	7	5	5	5	5
SV TCL	Singapore	10	11	10	9	7	6
Microfriend	Korea	12	18	7	8	10	7
Korea Instrument	Korea	6	8	9	6	9	8
Cascade Microtech	USA	13	9	8	7	6	9
FEINMETALL	Germany	14	12	11	11	11	10

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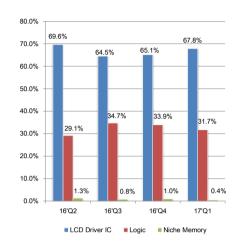
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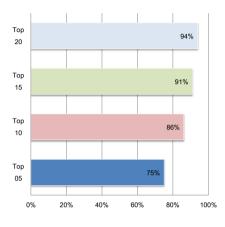
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#### **CPC & VPC**



# Product Mix of CPC (Cantilever)



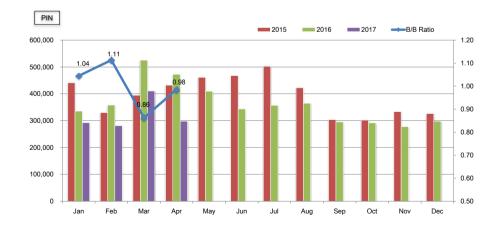


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### **CPC Pin-Shipment**



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### **VPC Pin-Shipment**



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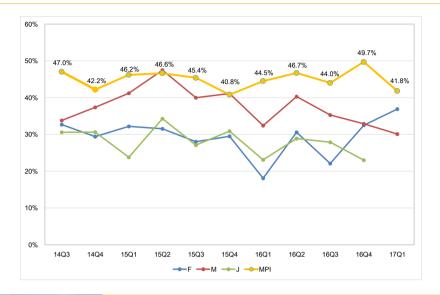
### **CPC and VPC Yearly Status**



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### **Gross Margin Between Global Peers**

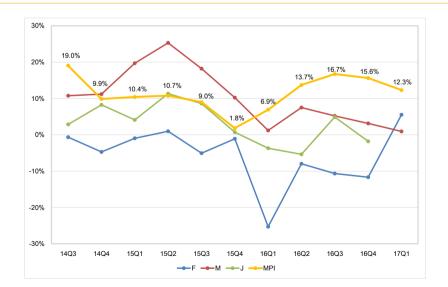


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### **Operating Margin Between Global Peers**



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#### Photonics Automation (PA) Overview



#### Milestone



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#### **Main Product Line**



Packaging Substrate

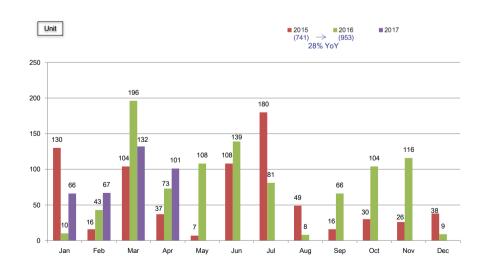
Photodiode(PD)

LED Package Probing

## Wafer Technology Migration



## 2017 Shipment



#### **LED 2017 Targeting Markets**



#### **Automotive**

Night Vision, Reverse Radar to Panorama View for Autopilot System IR LED

#### **Eye Scanning for E-wallet**

IR LED (Fujitsu and Samsung)

VR (2016 Market size 14m USD)

IR LED

Inside-out Tracking: HTC Vive

Outside-in Tracking: Oculus Rift (Facebook) More Manufacturers: Tencent, Nitendo,

Microsoft and Dell

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#### Thermal



Market size: roughly USD\$30mIndustries: Telecom / Automotive

http://www.mpi-thermal.com/media/

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#### **AST**

- Market size: roughly USD\$120m
- Industry: Foundry/IC design houses' engineering stage process









#### **Balance Sheet Highlight**

Amount: NT\$ Million	1Q 2017		1Q 2016			
Cash and Cash Equivalents	634	9%	631	9%		
Fixed Assets	3,583	50%	3,592	52%		
Total Assets	7,155	100%	6,976	100%		
LT Debt	238	3%	247	4%		
Shareholders' Equity	4,032	57%	3,746	54%		
EBITDA	119		61			
*EBITDA=operating income + depreciation & amortization expenses						

#### **Income Statement**

NT\$1,000	2017' Q1		2016' Q1		
Net Sales	1,127,998	100%	908,246	100%	
Cost of Goods Sold	656,012	58%	504,541	56%	
Gross Profit	471,986	42%	403,705	44%	
Operating Expense	333,608	30%	341,436	37%	
Operating Income	138,388	12%	62,405	7%	
Investment Income & Others	-19,275		-910		
Net Income (before tax)	106,004	9%	53,547	6%	
EPS (before tax)	1.34		0.69		

