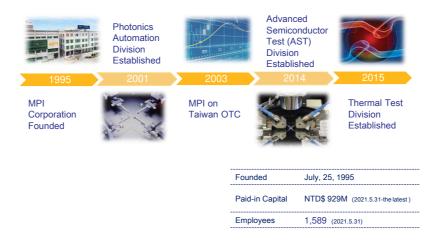


#### **Presentation Disclaimer**

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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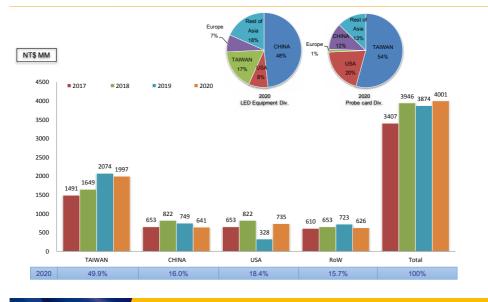
#### **Business Portfolio**



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## Net Sales by Geographic



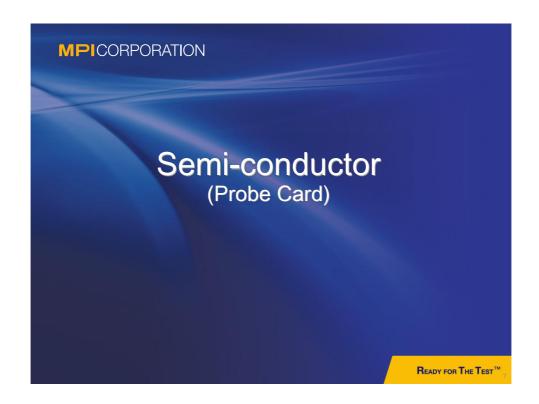
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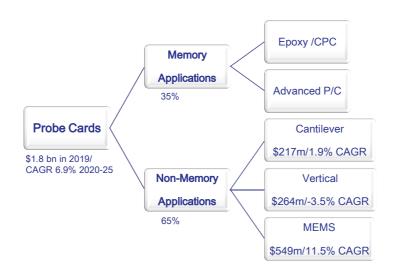
5

#### Agenda

- ■Business Contents
  - •Semi-conductor (Probe Card)
  - Photonics Automation (LED)
  - Thermal & AST
- ■Financial Statements



## **Global Probe Card Market Update**



# Top 10 Probe Card Vendors (2015-2020)

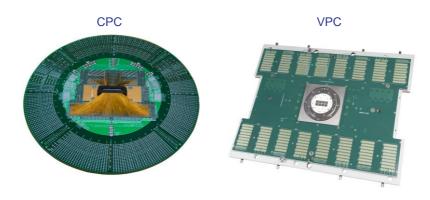
(Rank)		2015	2016	2017	2018	2019	2020
FormFactor, Inc.	USA	1	1	1	1	1	1
Micronics Japan Co., Ltd.	Japan	2	2	2	3	3	3
Technoprobe	Italy	3	3	3	2	2	2
Japan Electronic Materials	Japan	4	4	4	4	4	4
MPI Corporation	Taiwan	5	5	5	5	5	5
SV TCL	Singapore	7	6	6	6	6	7
Microfriend	Korea	10	7	7	10	10	10
Korea Instrument	Korea	9	8	8	7	8	6
Cascade Microtech	USA	6	9	-	-	-	-
FEINMETALL	Germany	11	10	11	12	11	14

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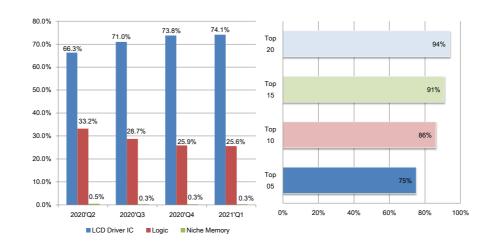
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### **CPC & VPC**



## Product Mix of CPC (Cantilever)

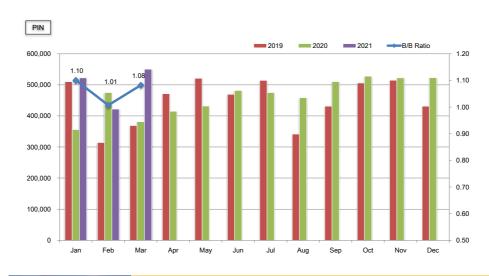


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### **CPC Pin-Shipment**



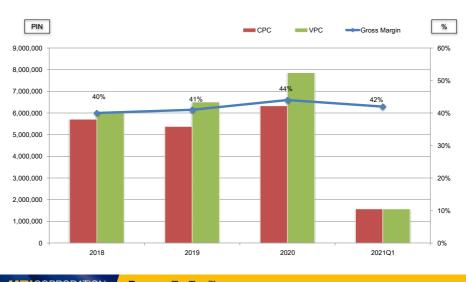
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## **VPC Pin-Shipment**



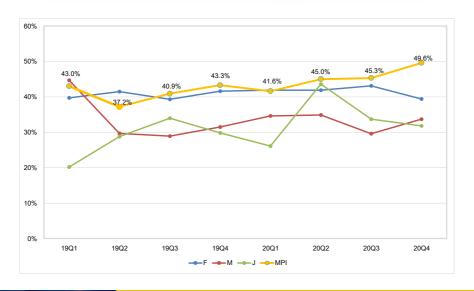
## **CPC and VPC Yearly Status**



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## **Gross Margin Between Global Peers**

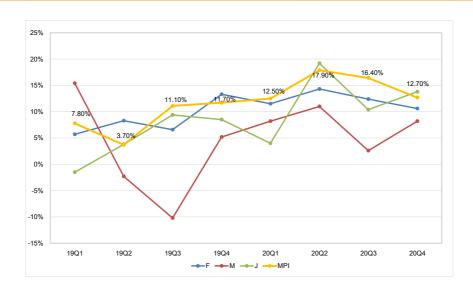


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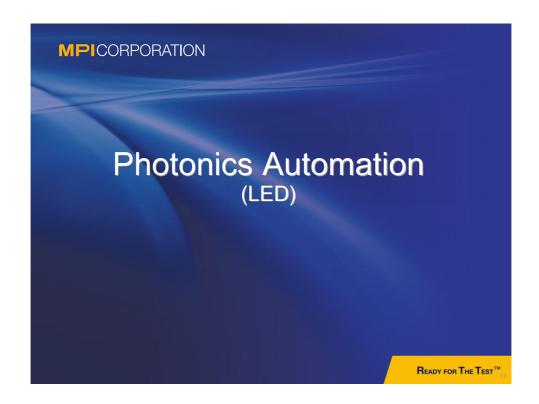
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### **Operating Margin Between Global Peers**



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### Photonics Automation (PA) Overview



#### Milestone

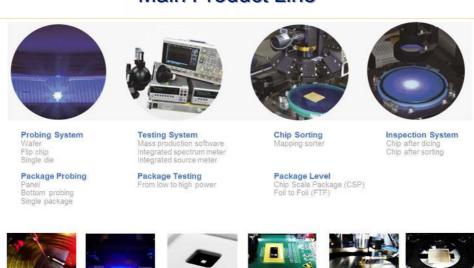


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#### Main Product Line



Packaging Substrate

Photodiode(PD)

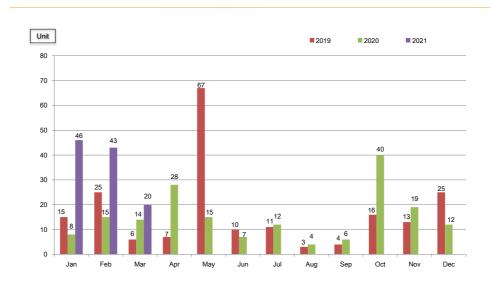
Die

LED Package Probing

## Wafer Technology Migration



# 2021 Shipment



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#### **Thermal**



- Addressable Market Size: roughly USD\$30m
- Applied Industries: Telecom / Automotive/Industrial, industrial and semi industries

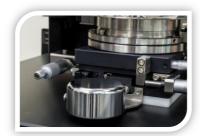
http://www.mpi-thermal.com/media/



#### **AST**

- Market size: roughly USD\$400m
- Industry: Foundry/IC design houses' engineering stage process











# **Balance Sheet Highlight**

	202	20	2019			
Cash and Cash Equivalents	1,445	16%	1103	14%		
Fixed Assets	3,735	42%	3,362	41%		
Total Assets	8,976	100%	8,178	100%		
LT Debt	763		142			
Shareholders' Equity	5,648	63%	4,379	54%		
EBITDA	844		489			
*EBITDA=operating income + depreciation & amortization expenses						

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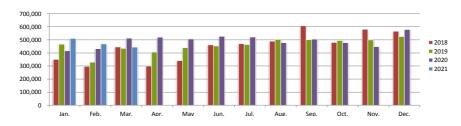
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29

#### **Income Statement**

NT\$1,000	2020		2019		
Net Sales	5,925,601	100%	5,515,200	100%	
Cost of Goods Sold	3,340,036	56%	3,286,299	59%	
Gross Profit	2,585,565	44%	2,228,901	41%	
Operating Expense	1,725,536	29%	1,751,653	32%	
Operating Income	860,029	15%	477,248	9%	
Investment Income & Others	-15,314		11,783		
Net Income (before tax)	714,221	12%	427,984	8%	
EPS	8.41		5.36		





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