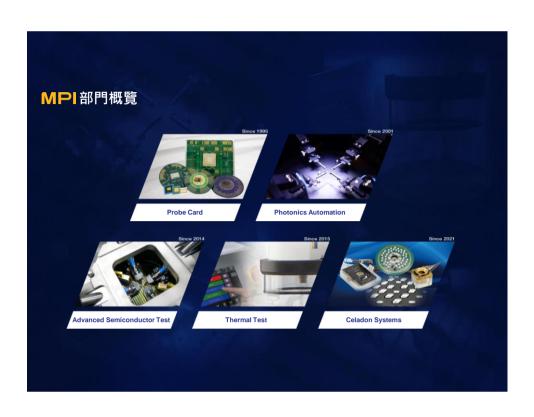


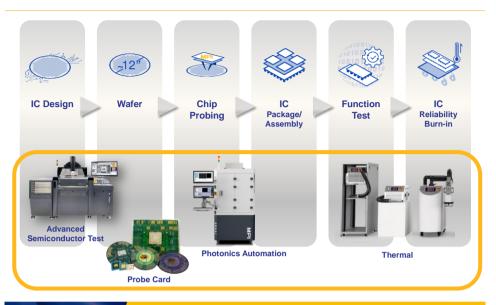
### **Presentation Disclaimer**

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.





# **MPI-The Powerhouse of Testing Solutions**



**MPICORPORATION** 

READY FOR THE TEST™

-

## 議程



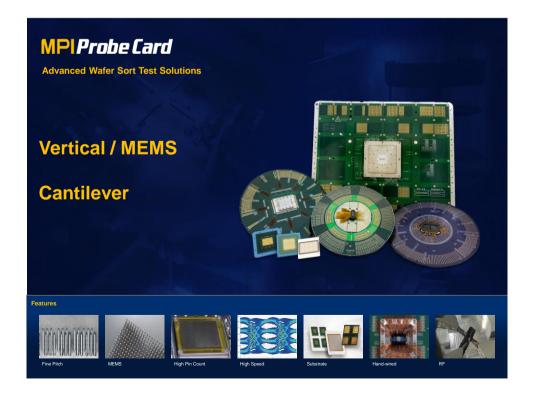
#### **Business Contents**

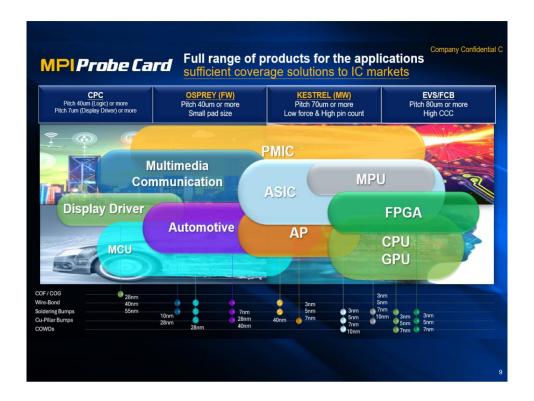
Probe Card
Photonics Automation
Thermal & AST



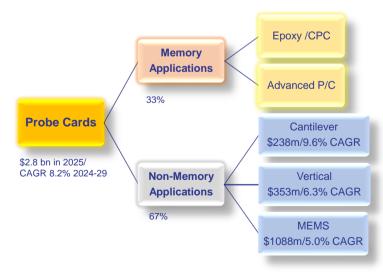
**Financial Statements** 





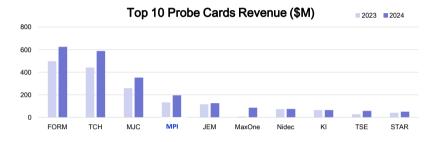


## 全球探針卡市場



## 自製IC探針卡供應商

(Rank)		2020	2021	2022	2023	2024
FormFactor	USA	1	1	1	1	1
Technoprobe	Italy	2	2	2	2	2
Micronics Japan	Japan	3	3	3	3	3
MPI Corporation	Taiwan	5	5	5	4	4
Japan Electronic Materials	Japan	4	4	4	5	5



MPICORPORATION

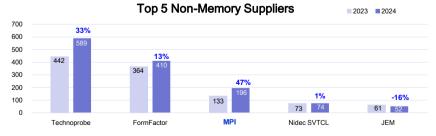
Ready for The Test $^{\text{TM}}$ 

Source: TechInsights

11

## 前五大非記憶體探針卡供應商

(Rank)		2020	2021	2022	2023	2024
Technoprobe	Italy	2	1	1	1	1
FormFactor	USA	1	2	2	2	2
MPI Corporation	Taiwan	3	3	3	3	3
Nidec SV Probe	Singapore	4	5	4	4	4
Japan Electronic Materials	Japan	5	4	5	5	5



Source: TechInsights

**MPICORPORATION** 

READY FOR THE TEST™

### Probe Card:提供全方位解決方案

#### Comprehensive Product Range for Circuit Testing

#### 全方位的產品布局

MPI provides omnidirectional products to global customers, including <u>fine pitch CPC</u>, <u>high speed VPC</u> and <u>low force MEMS</u> solutions.

#### ● Solid Global Clientele 堅實的國際合作夥伴

MPI works closely with worldwide market leaders, especially for the AI, HPC application related.

#### ● Complete Probe Card Solution 完整的探針卡整合方案

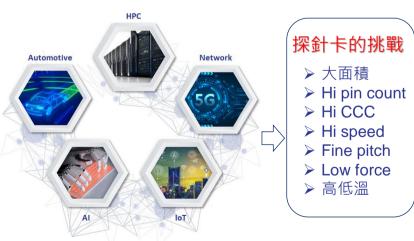
Provide <u>probe head</u>, <u>substrate</u>(MLO/MLC/MLOC) and <u>PCB</u> one-stop service.

MPICORPORATION

READY FOR THE TEST™

13

### 快速增長的應用層面



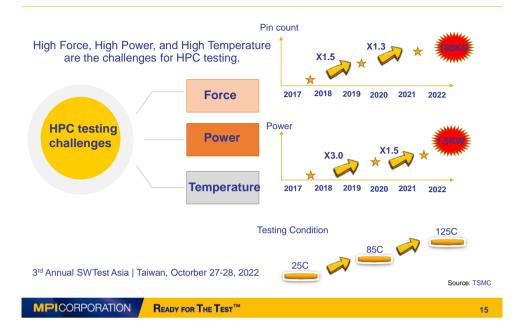
Source: TSMC

**MPICORPORATION** 

READY FOR THE TEST THE

Company Confidential B

## HPC挑戰



## **Interface Technical Complexity Check in**

Complexity Trends are on pace to be at 2022 targets( 1 Cycle) or in some cases beyond

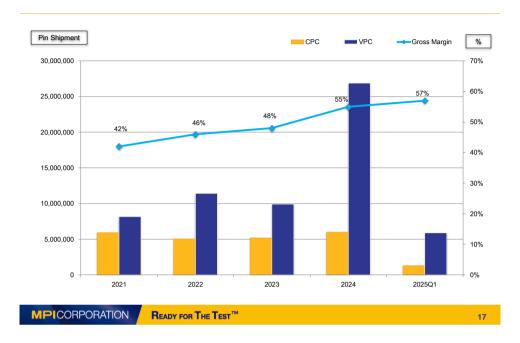
"2x4 Scaling"=2xPins, 2xPerformance, every 4 years



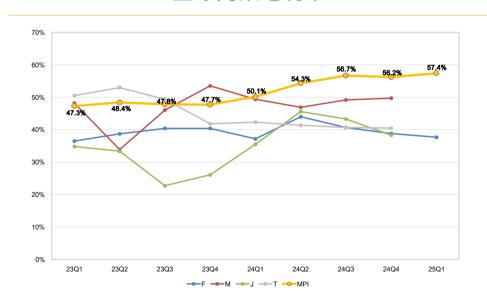
			2018	2022	2026	
			Level 4	Level 5	Level 6	
		Pin Pitch	90um	70um	50um	
	Pin Density	Total Contact Force	80kg	150kg	250kg	
ľ	I/O Speed	Digital	32Gpbs	64Gpbs	128Gpbs	
	I/O Speed	RF/mmWave	< 12 GHz	29 GHz	+60 GHz	
		Main Power	900 mV	750mV	625mV	
ì	Device	Single Rail	35A	50A	100A	
	Power	Impedance	2.2 mOhm	1.4 mOhm	0.8 mOhm	
ı		Self Heating	75 W			
	Thermal	Operating Range	0 to +80C	0 to +105C	-20 to +125C	
	Most Expensive Probe Card		\$400K*	>\$500K	>\$700K	

Source:Teradyne

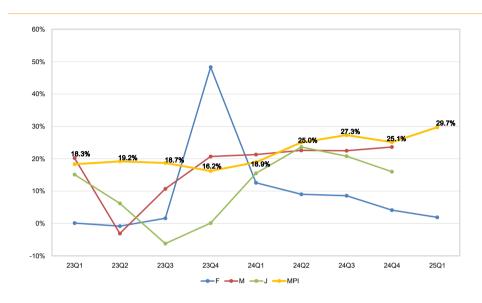
## CPC及VPC成長趨勢



## 全球同業毛利率



### 全球同業營利率



MPICORPORATION

Ready for The Test  $^{\mathsf{TM}}$ 





## 產品概覽



- High Power VCSEL Wafer Testing Wafer / Board Prober Development Testing methodology Development
- High Power VCSEL PKG Testing PKG Handler Development Testing methodology Development
- VCSEL / Photo-Detector Testing Wafer / Board Prober Development Testing methodology Development
- > RF Character Wafer Level RF Testing Integration
- SiPh Die/PKG Platform SiPh Handler Development
- > uLED Mass Production Methodology
  Wafer prober for large quantity die testing method
- Panel testing platform development Panel / Panel in-process testing platform

### 發展計畫







Optical Sensing	Optical Communications	Micro Display
<ul> <li>Focus on Sensing VCSEL Testing</li> <li>Production Wafer Prober in Low Temperature</li> <li>High Power Measurement Tool and Technology Development</li> <li>Flip Chip Wafer VCSEL testing Solution</li> <li>Package / Hybrid Device testing tool</li> </ul>	<ul> <li>Focus on VCSEL/Photodetector Testing</li> <li>Wafer Prober for Dark / Responsivity / Capacity measurement</li> <li>RF Measurement Capability Development</li> <li>SiPh package testing approaching</li> </ul>	<ul> <li>Lab and production wafer testing tool development</li> <li>Contacting Accuracy Improvement</li> <li>Innovative testing methodology</li> <li>Optical measurement in production methodology</li> </ul>

**MPICORPORATION** 

Ready for The Test $^{\text{TM}}$ 

23

### PA:與市場領導者合作

#### ● Value Enhanced Product Lines 客戶價值導向的產品線規劃

MPI's experienced RD team comes across <u>lighting</u> and <u>electrical</u> fields with <u>automation</u> core technology that enables us to develop leading market solutions ie VCSEL & Micro LED.

#### ● Solid Global Clientele 穩固的全球客戶群

MPI works closely with market leaders and international brand names for most advanced testing solutions.

#### ● Continuous Product Innovation 持續的產品創新

Non stop RD investments helps MPI to provide high value added products that tackles clients' testing bottleneck.





## Thermal:客戶導向

- Innovational Temperature System 創新的溫度測試系統 Ongoing R&D investments in platforms and improvements leads MPI to meet customer demands. Thermal systems have a number of patents to provide efficient energy saving products that helps clients to fulfill ESG responsibility.
- Top Skillful RD Team 頂尖優秀專業的研發團隊

MPI's thermal solutions are developed by industry veterans with over 100 years of combined experience.

 Deep Cooperation with Leading Customers for Engineering and Production demand

與世界領導級大廠深度合作,提供工程及量產需求

Product application expands to automotive, 5G/RF communication, fiber optic, and sensing fields.

MPICORPORATION

Ready for The Test  $^{\text{TM}}$ 



### AST:獨特的市場領導者

● Unique Global Position 全球獨特的市場地位

Combining Analytical probing solution and RF measurement core technology, MPI is top solution provider for full range hi-frequency response measurement.

● VOC Design 客戶導向設計

Design based on Voice of the customer to full-fill customers' needs.

● Complete Solution 提供完整的解決方案

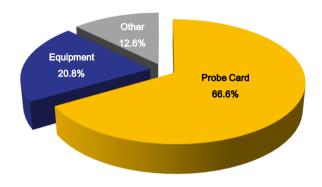
Various series of products to cover wide range applications include Device Modeling, RF & mmW, WLR, High-Power, Failure Analysis, Extreme temperature test ...etc.

**MPICORPORATION** 

READY FOR THE TEST™



## 2025 Q1出貨分布

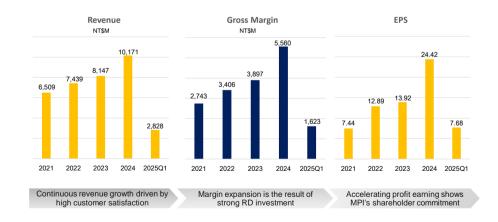


**MPICORPORATION** 

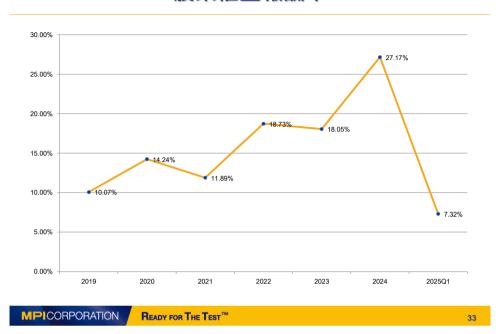
Ready for The Test $^{\text{TM}}$ 

31

## 營業表現



## 股東權益報酬率



## 資產負債表

NT\$M	2025Q1		2024Q1	
Cash and Cash Equivalents	5,965	31%	2,546	20%
Fixed Assets	7,640	39%	5,669	45%
Total Assets	19,536	100%	12,565	100%
LT Debt	945	5%	1,453	12%
Shareholders' Equity	10,456	54%	8,206	65%
EBITDA	887	31%	482	23%

<sup>\*</sup>EBITDA=operating income + depreciation & amortization expenses

# 綜合損益表

NT\$000	2025Q1		2024Q1			
Net Sales	2,828,698	100%	2,046,692	100%		
Cost of Goods Sold	1,205,368	43%	1,020,800	50%		
Gross Profit	1,623,330	57%	1,025,892	50%		
Operating Expense	782,986	27%	639,117	32%		
Operating Income	840,344	30%	386,775	18%		
Investment Income & Others	47,380		95,592			
Net Income (after tax)	723,042	26%	392,927	19%		
EPS (after tax)	7.68		4.18			
MPICORPORATION Ready for The Test™ 35						

