

旺矽科技股份有限公司

6223.TT



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.

1

Probe Card

Since
1995

2

**Photonics
Automation**

Since
2001

3

**Advanced
Semiconductor
Test**

Since
2014

4

Thermal Test

Since
2015

5

**Celadon
Systems**

Since
2021



MPI CORPORATION 全球據點



- MPI Offices
- MPI Representatives

WORLDWIDE

TAIWAN

MPI
Locations



MPI America
(2017)



MPI Suzhou
(2017)



Celadon
(2021)



atv GmbH
(2025)



Chupei HQ
(2000)



Luzhu Plant
(2006)



Chupei Plant2
(2012)

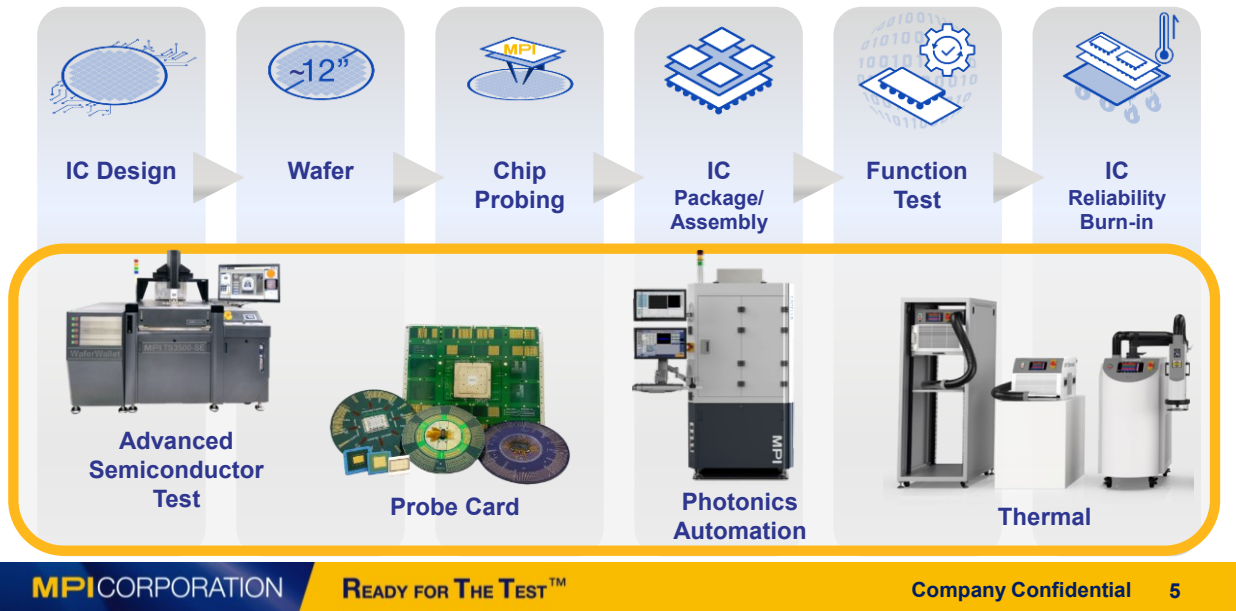


Xinpu Plant
(2014)



Chupei Plant3
(2021)

MPI The Powerhouse of Testing Solutions



MPI CORPORATION

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5



Business Contents

- Probe Card
- Photonics Automation
- Thermal & AST



Financial Statements

MPI CORPORATION

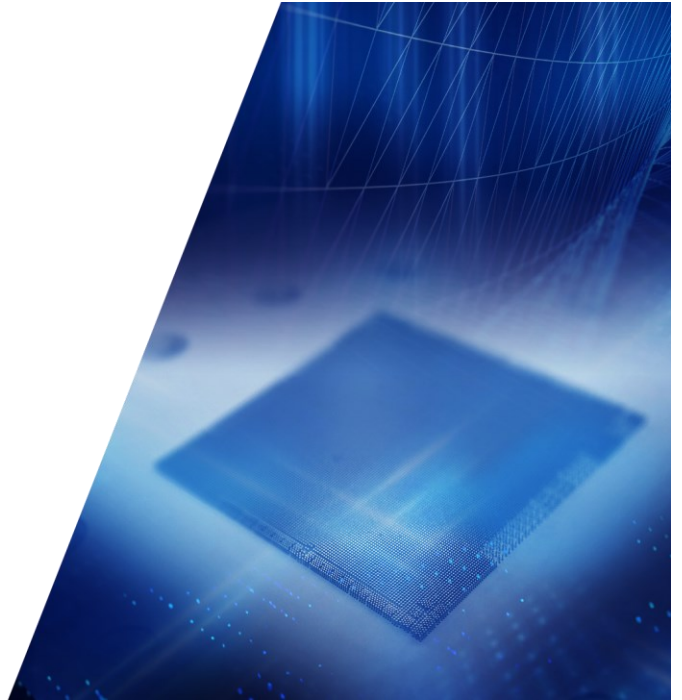
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6

Probe Card

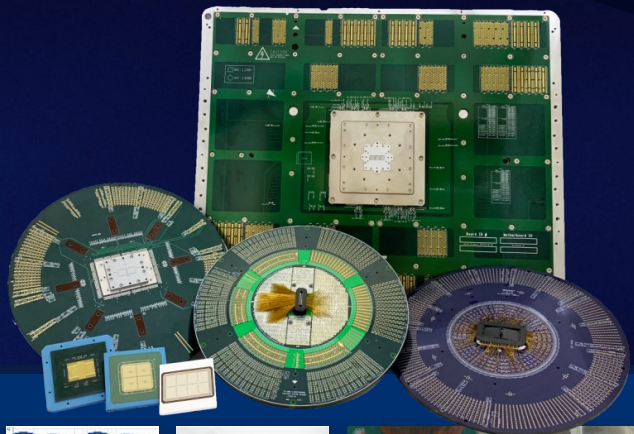
半導體事業部
(探針卡)



MPI Probe Card

Advanced Wafer Sort Test Solutions

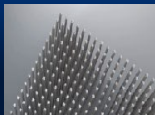
Vertical / MEMS Cantilever



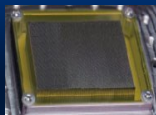
Features



Fine Pitch



MEMS



High Pin Count



High Speed



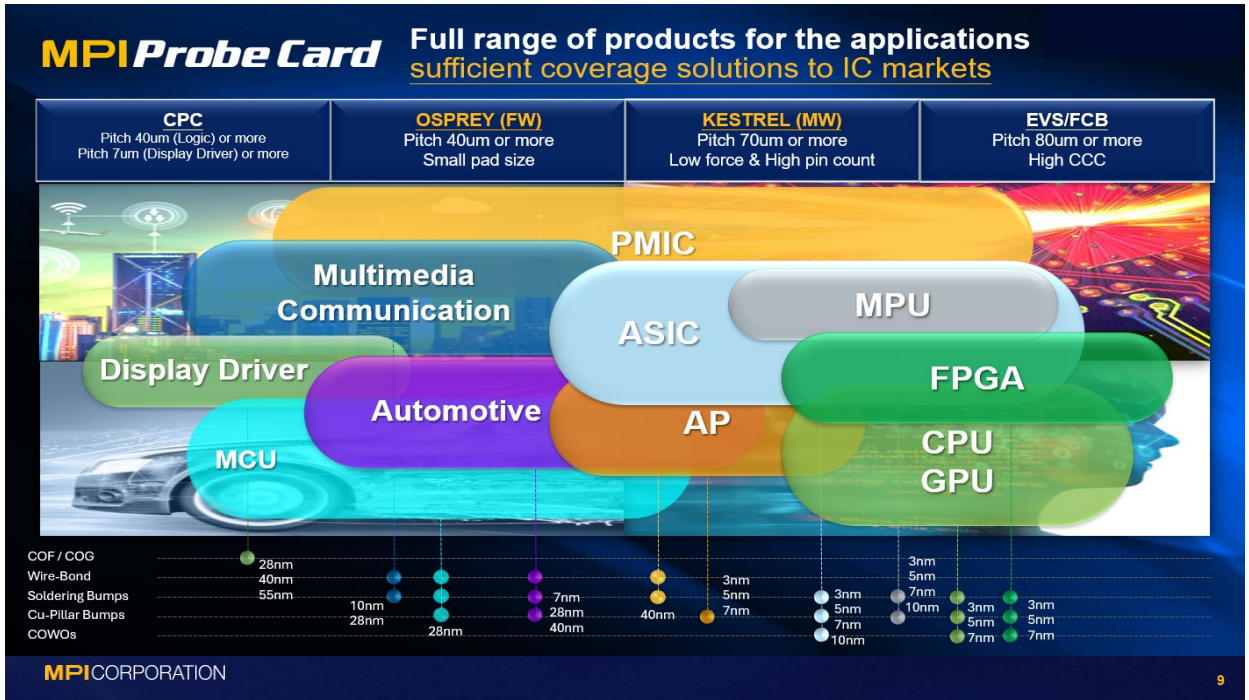
Substrate



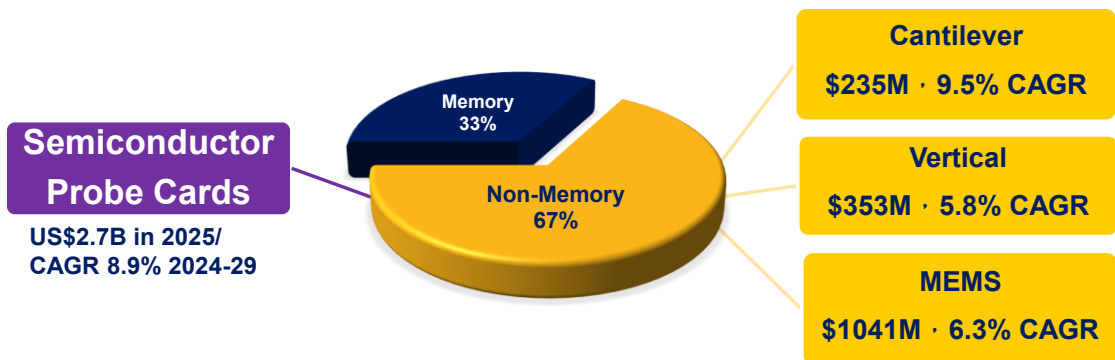
Hand-wired



RF



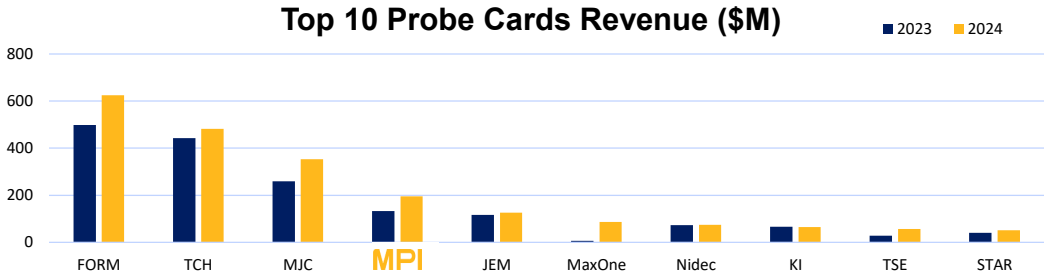
MPI 全球探針卡市場



Source: TechInsights(2025/5)

MPI 自製IC探針卡供應商

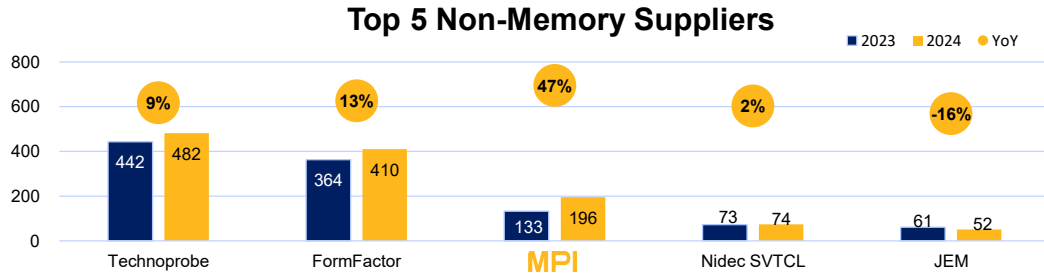
	(Rank)	2020	2021	2022	2023	2024
FormFactor	USA	1	1	1	1	1
Technoprobe	Italy	2	2	2	2	2
Micronics Japan	Japan	3	3	3	3	3
MPI Corporation	Taiwan	5	5	5	4	4
Japan Electronic Materials	Japan	4	4	4	5	5



Source: TechInsights(2025/5)

MPI 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(2025/5)

MPI 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 fine pitch CPC, high speed VPC and low force MEMS solutions.

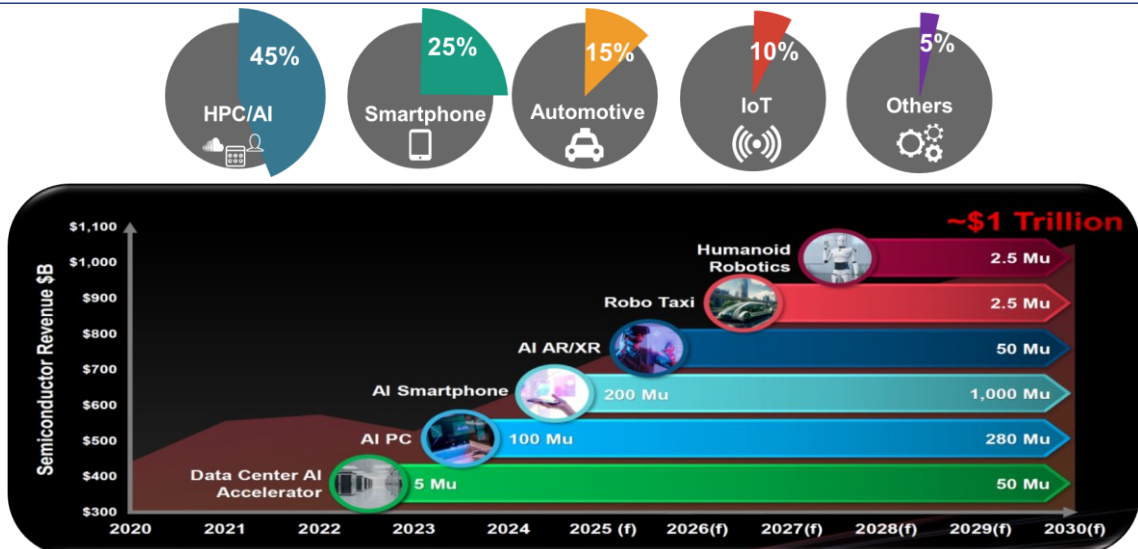
- **Solid Global Clientele** 堅實的國際合作夥伴

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

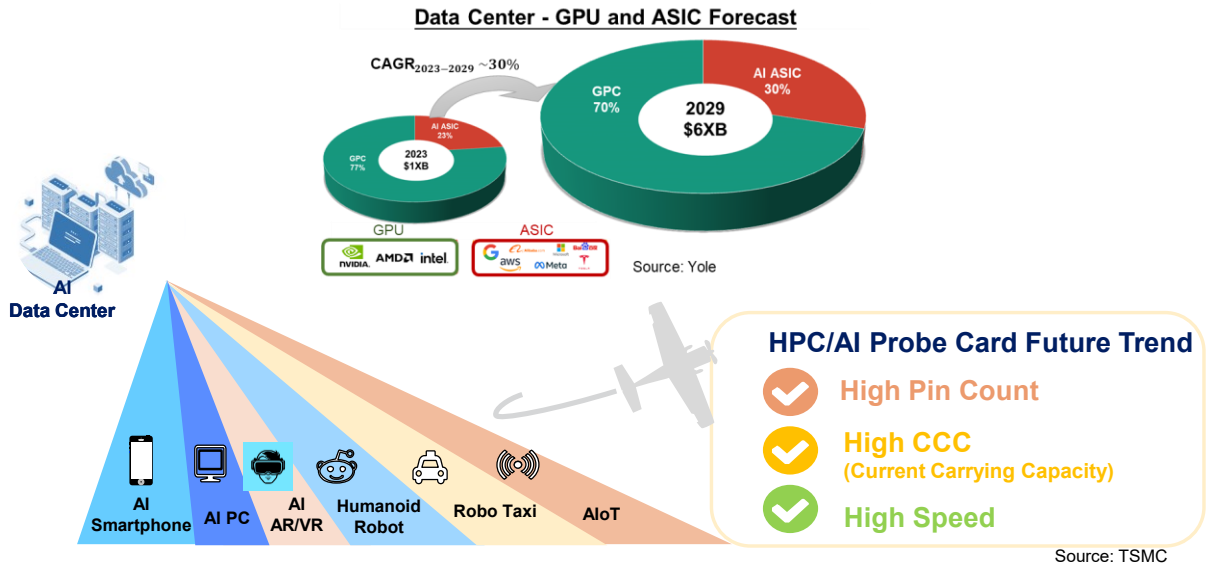
Provide probe head, substrate(MLO/MLC/MLOC) and PCB one-stop service.

MPI 2030 半導體市場~\$1Trillion



Source: TSMC

MPI HPC/AI 探針卡挑戰



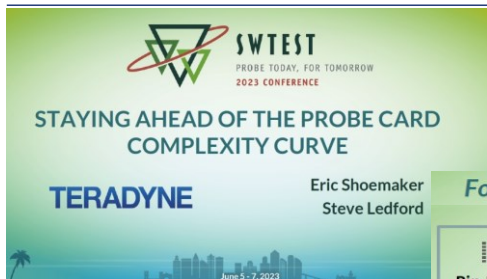
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15

MPI Interface Technical Complexity Check in



Source: Teradyne

Following the "2 x 4 Scaling" trend demonstrated over last two decades

		Today	2030
Pin Density	Increasing DUT sites and pin count drive up the pin area density Challenge: Routing the I/O and power to the DUT combined with an increasing mechanical load	70 um pad pitch 16,000 pins per cm ² 150+ Kg (total contact)	30 um pad pitch 64,000+ pins per cm ² 300+ Kg (total contact)
I/O	Connections to high performance I/O: high speed digital, wireless, and high voltage Challenge: Signal integrity when combined with very tight pin and DUT spacing and high DUT count	112 Gbps (dig) 54 GHz (5G) 2 kV (automotive)	400+ Gbps (dig) 110+ GHz (6G) 8 kV (automotive)
Power	Large number of high current (>25A) device supplies require excellent precision Challenge: Supply voltage reduction (<700mV) combined with increasing number of power rails	700 mV (main power) 750 A (single rail) 500 μOhm (impedance)	<500 mV (main power) 2000 A (single rail) 100 μOhm (impedance)
Thermal	Removal of the DUT thermal energy due to self heating and support increased operating temp ranges Challenge: Increasing transistor count combined with tight DUT spacing rapidly increases thermal density	0.5 KW (self heating) 0C to +125C	1.0 KW (self heating) -40C to +160C

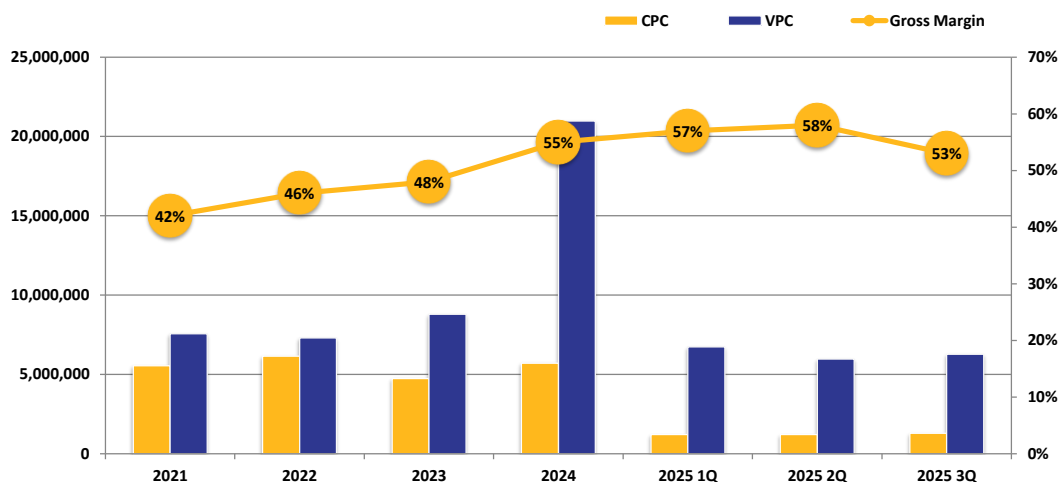
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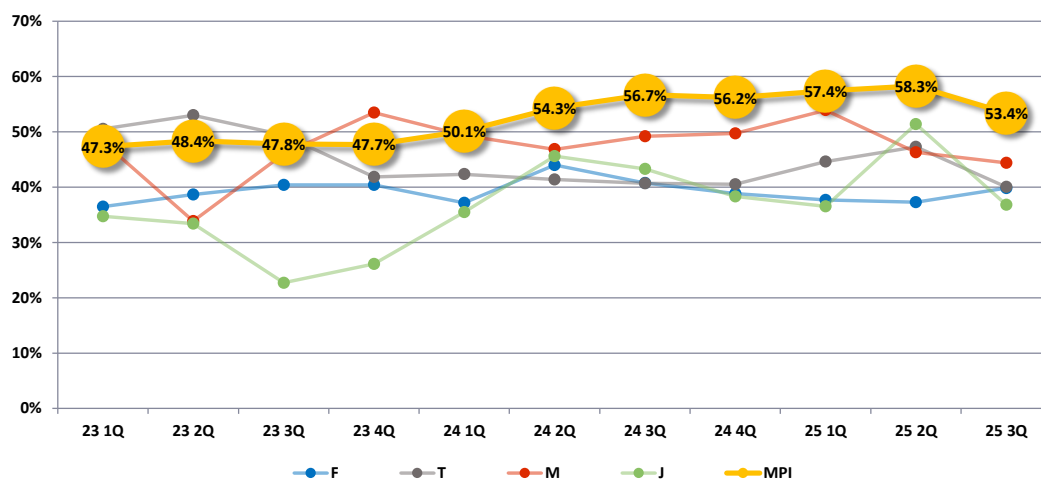
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16

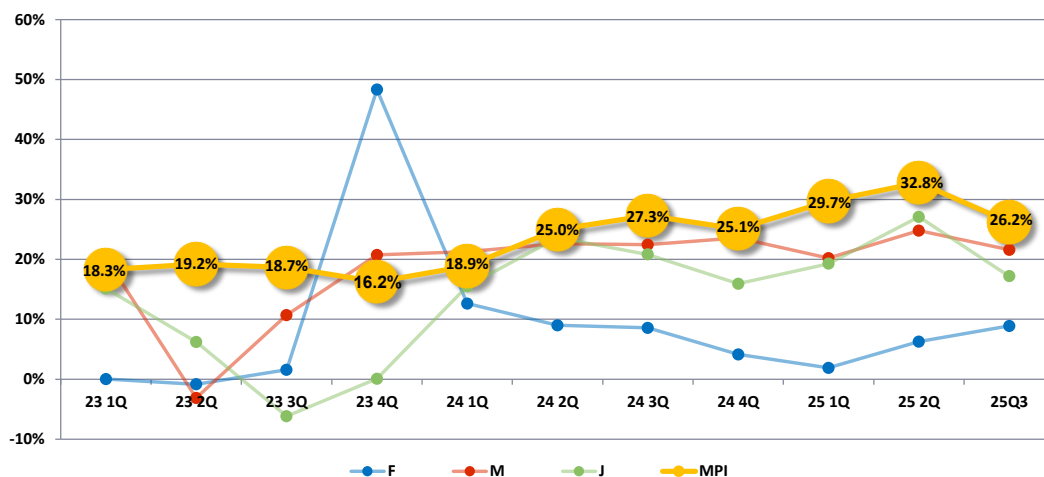
MPI CPC & VPC 成長趨勢



MPI 全球同業毛利率



MPI 全球同業營利率



Photonics Automation 發光二極體事業部



MPI 各應用領域開發計畫

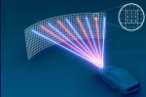


Optical Sensing	Optical Communications	Micro Display
➢ Focus on Sensing VCSEL Testing ➢ Production Wafer Prober in Low Temperature ➢ High Power Measurement Tool and Technology Development ➢ Flip Chip Wafer VCSEL testing Solution ➢ Package / Hybrid Device testing tool	➢ Focus on VCSEL/Photodetector Testing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

MPI 各應用領域開發計畫

Wafer / Device Automated Probe, Test & Measurement, Sort and Inspection



Sensing	Communication	Micro Display
 ➢ High Power VCSEL Testing ➢ High Speed VCSEL Testing	 ➢ VCSEL / Photo-Detector Testing ➢ RF Character ➢ SiPh Die/PKG Platform	 ➢ uLED Mass Production Methodology ➢ Panel testing platform development

MPI 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 lighting and electrical fields with automation core technology that enables us to develop leading market solutions ie VCSEL & Micro LED.

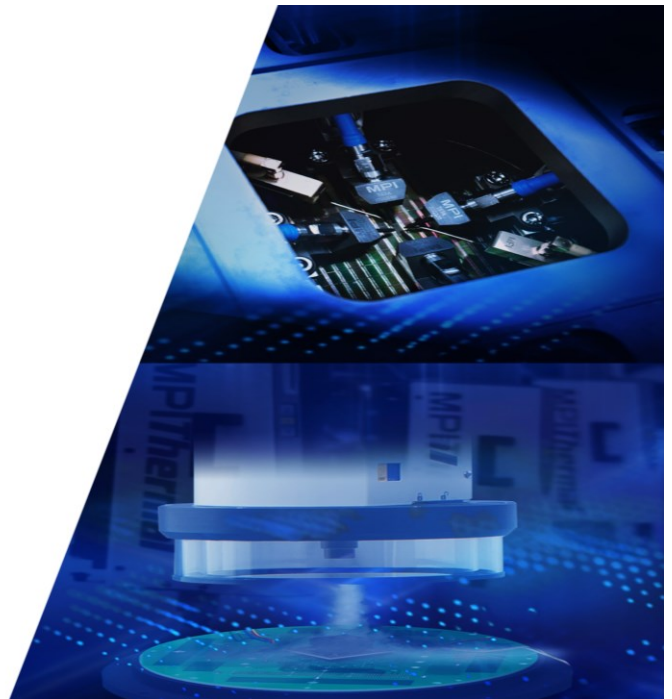
- **Solid Global Clientele** 穩固的全球客戶群

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/AST



MPI Thermal

Hot and Cold Air Flow
Environmental Temperature Test

-100°C  +300°C
ThermalAir Series
Temperature Testing Systems



Applications & Industry Segments



Semiconductor



Automotive



Aerospace



Telecommunications



Fiber Optic



Electronics



Sensors



Advanced Technology

MPI CORPORATION

25

MPI Thermal: 客戶導向

● Innovative 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.

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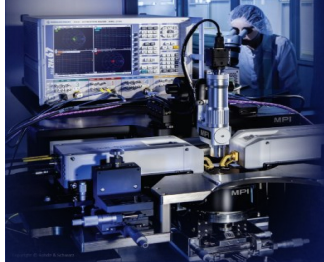
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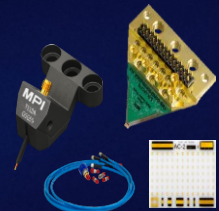
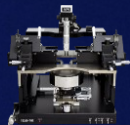
26

MPI Advanced Semiconductor Test

Engineering Probe Systems
and
RF Probe Products



50 – 300 mm

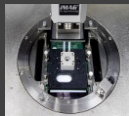


26 – 110 GHz

Applications & Industry Segments



Device Characterization



High Power



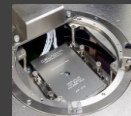
RF & mmW



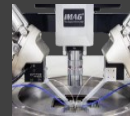
Design Validation



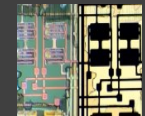
Failure Analysis



Wafer Level Reliability



Silicon Photonics



Laser Cutter

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27

MPI 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.

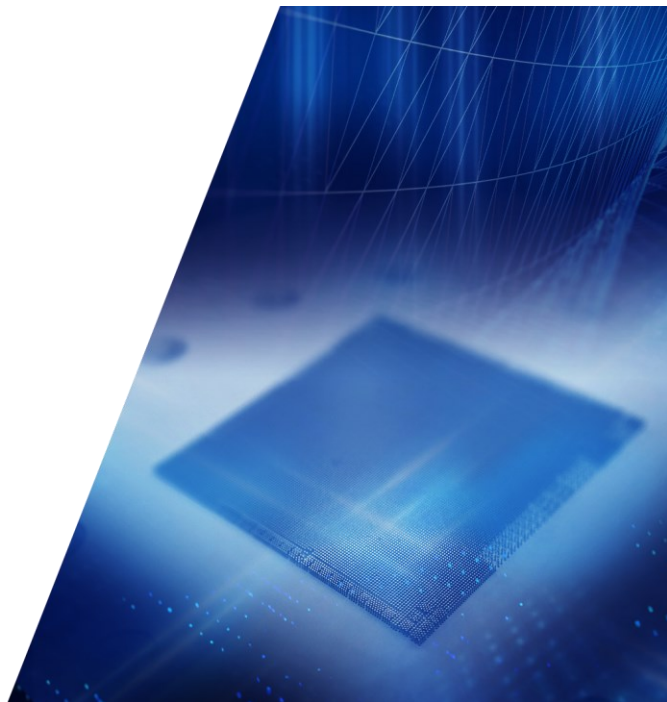
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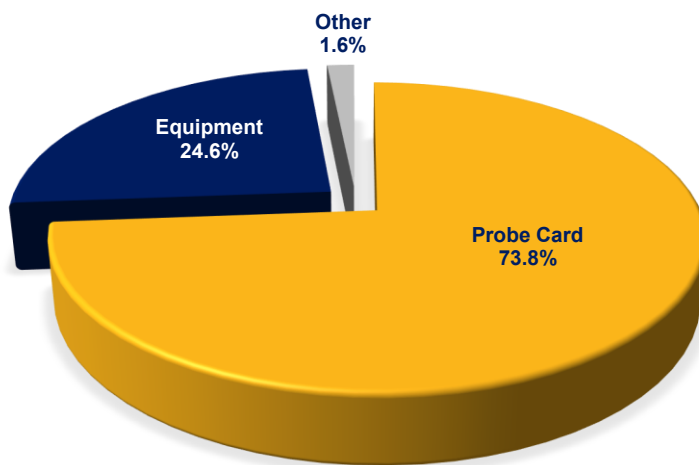
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28

財務報表



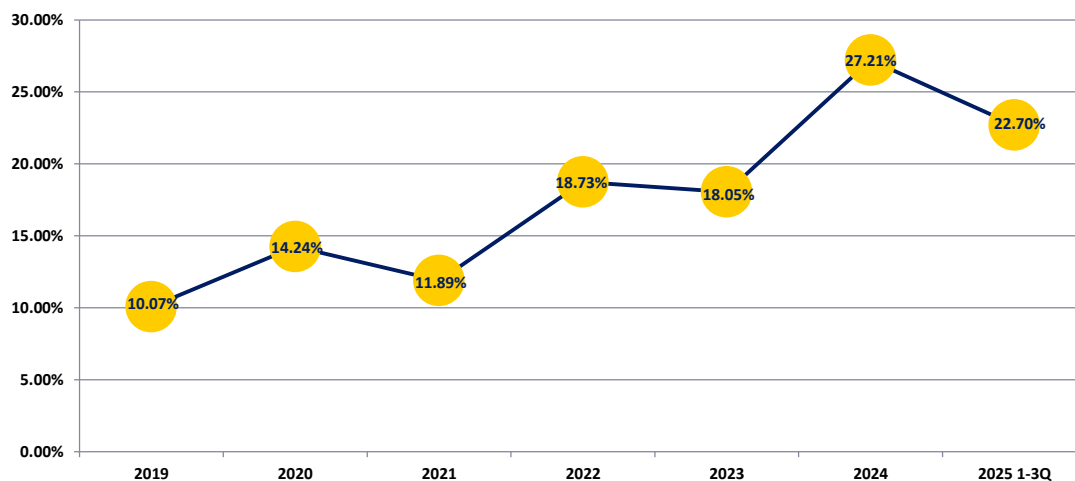
MPI 2025 Q3 出貨分布



MPI 營業表現



MPI 股東權益報酬率



MPI 資產負債表

NT\$M	2025 3Q		2024 3Q	
Cash and Cash Equivalents	5,138	25%	2,754	19%
Fixed Assets	8,963	43%	5,954	42%
Total Assets	20,757	100%	14,290	100%
LT Debt	1,346	7%	1,354	9%
Shareholders' Equity	10,905	53%	8,710	61%
EBITDA	2,697	28%	1,938	27%

*EBITDA=operating income + depreciation & amortization expenses

MPI 綜合損益表

NT\$K	2025 1-3Q		2024 1-3Q		QoQ
Net Sales	9,535,264	100%	7,169,036	100%	33.0%
Cost of Goods Sold	(4,170,224)	(44%)	(3,295,826)	(46%)	26.5%
Gross Profit	5,365,040	56%	3,873,210	54%	38.5%
Operating Expense	(2,549,761)	(27%)	(2,143,738)	(30%)	18.9%
Operating Income	2,815,279	29%	1,729,472	24%	62.8%
Investment Income & Others	(118,509)		208,915		(156.7%)
Net Income (after tax)	2,227,632	23%	1,584,880	22%	40.6%
EPS (after tax)	23.65		16.83		40.5%

MPI 綜合損益表

NT\$K	2025 3Q		2025 2Q		QoQ	2024 3Q		YoY
Net Sales	3,413,781	100%	3,292,785	100%	3.7%	2,729,350	100%	25.1%
Cost of Goods Sold	(1,591,345)	(47%)	(1,373,511)	(42%)	15.9%	(1,182,077)	43%	34.6%
Gross Profit	1,822,436	53%	1,919,274	58%	(5.1%)	1,547,273	57%	17.8%
Operating Expense	(926,563)	(27%)	(840,212)	25%	10.3%	(802,172)	(29%)	15.5%
Operating Income	895,873	26%	1,079,062	33%	(17%)	745,101	28%	20.2%
Investment Income & Others	156,941		(322,830)		148.6%	26,671		488.4%
Net Income (after tax)	876,674	26%	627,916	19%	39.6%	649,279	24%	35.0%
EPS (after tax)	9.3		6.67		39.4%	6.89		34.9%

Thank
You.