

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.

免責聲明

以下資訊包含前瞻性陳述，我們基於目前對未來事件的預期和預測做出了這些前瞻性陳述。儘管我們相信這些預期和預測是合理的，但這些前瞻性陳述本質上會受到以下風險和不確定性影響，包括但不限於：半導體和LED產業與市場的激烈競爭、半導體行業的週期性特性、全球業務活動所涉及的風險、整體經濟和政治環境。

此處討論的所有財務數字均根據國際財務報告準則(IFRS)編制，所有數字將在會計審計過程完成後公布。

議程



營業內容- Business Contents- 董事長/總經理

Probe Card
AST
Photonics Automation
Thermal

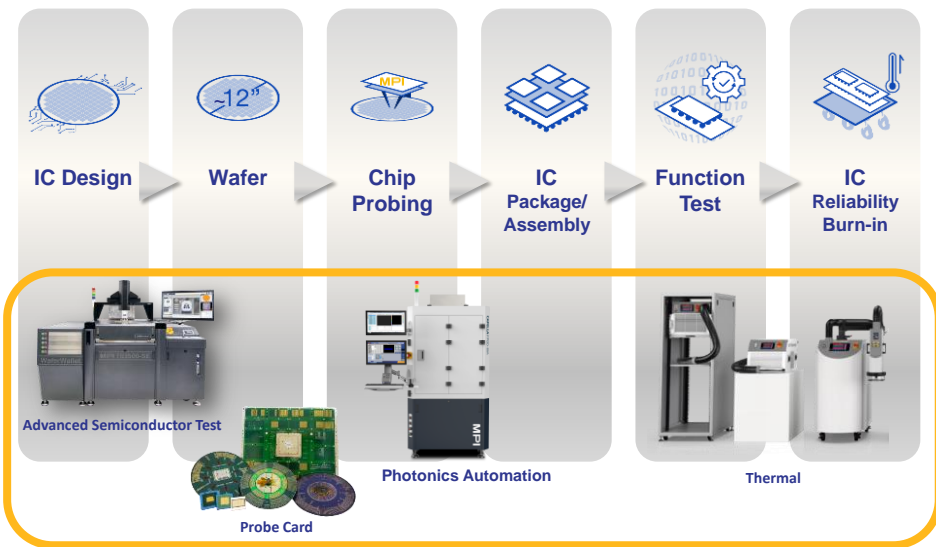


財務報表- Financial Statements- 發言人

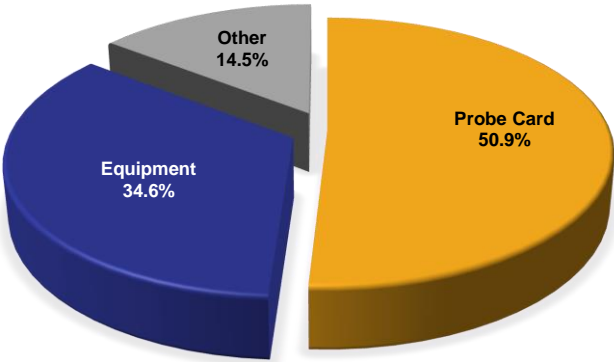


經營策略- Business Strategy-董事長

MPI-The Powerhouse of Testing Solutions



2024 Q1 營收分布



MPI CORPORATION

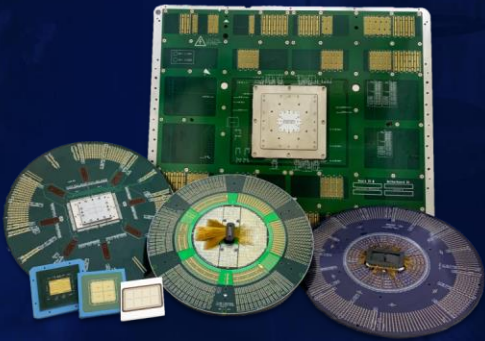
探針卡

READY FOR THE TEST™

MPIProbeCard One Stop Shop

Vertical / MEMS

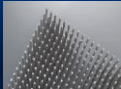
Cantilever



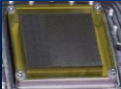
Features



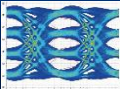
Fine Pitch



MEMS



High Pin Count



High Speed



Substrate

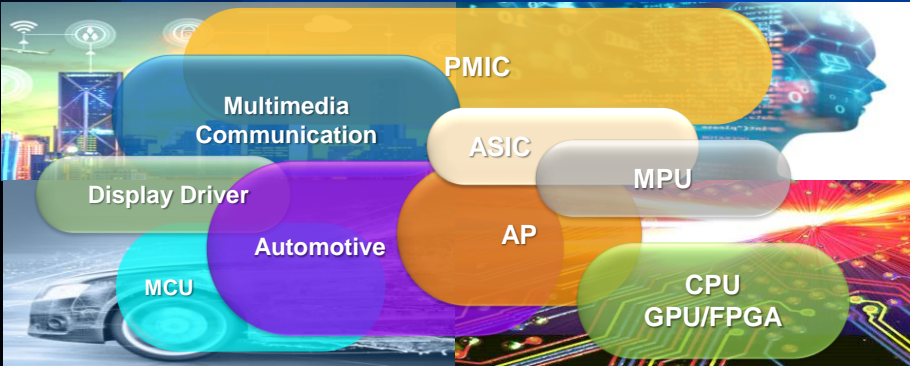


Hand-wired



RF

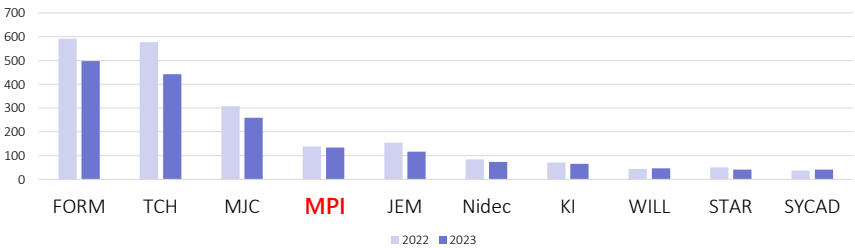
Full range of products for the applications
sufficient coverage solutions to logic IC markets



Total Own Make IC Probe Cards Venders

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

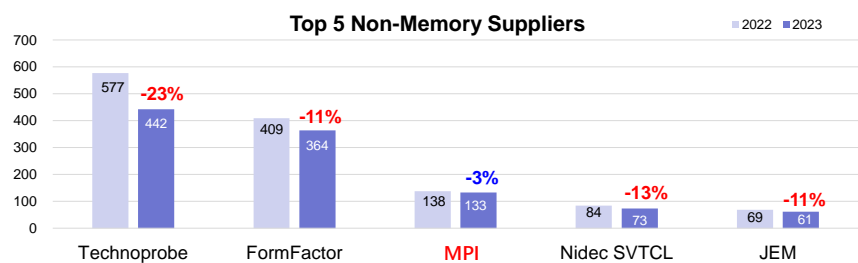
Top 10 Probe Cards Revenue (\$M)



Source: TechInsights

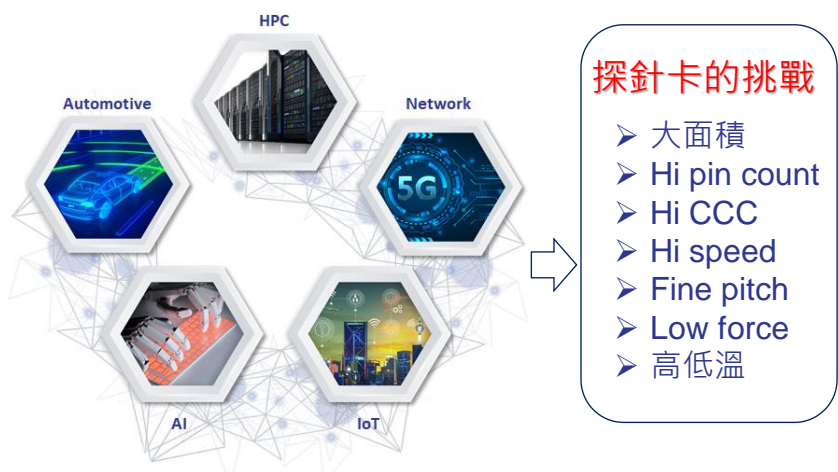
Top 5 Non-Memory Probe Card Vendors

	(Rank)	2018	2019	2020	2021	2022	2023
Technoprobe	Italy	2	2	2	1	1	1
FormFactor, Inc.	USA	1	1	1	2	2	2
MPI Corporation	Taiwan	3	3	3	3	3	3
Japan Electronic Materials	Japan	4	5	5	4	5	5
Nidec SVTCL	Singapore	5	4	4	5	4	4



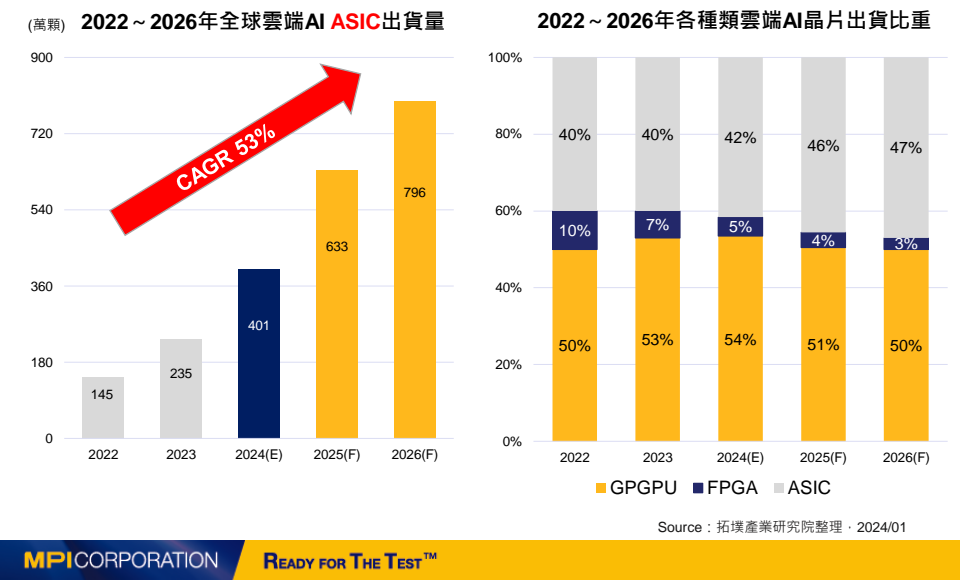
Source: Techninsights

快速增長的應用層面



Source: TSMC

雲端AI晶片出貨狀況



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 CORPORATION

設備

- AST
- PA
- Thermal

READY FOR THE TEST™

MPI Advanced Semiconductor Test

Engineering Probe Systems
and
RF Probe Products

50 – 300 mm

26 – 110 GHz

Applications & Industry Segments



Design Validation



Device Characterization



Failure Analysis



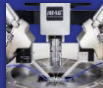
RF & mmV



High Power



Wafer Level Reliability



Silicon Photonics



Laser Cutter

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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MPI CORPORATION

READY FOR THE TEST™

MPI Photonics Automation



Sensing



Source: Opays

- High Power VCSEL Testing
- High Speed VCSEL Testing

Communication



Source: EXFO

- VCSEL / Photo-Detector Testing
- RF Character
- SiPh Die/PKG Platform

Micro Display



- uLED Mass Production Methodology
- Panel testing platform development

PA: 與市場先驅合作

- **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.

MPI Thermal
Hot and Cold Air Flow Temperature Test

-100°C  +300°C

ThermalAir Series
Temperature Testing Systems

The advertisement displays a variety of MPI Thermal testing equipment, including benchtop units, portable units on wheels, and robotic arms for automated testing. The background is a dark blue gradient with light streaks.

Applications & Industry Segments

Semiconductor	Automotive	Aerospace	Telecommunications	Fiber Optic	Electronics	Sensors	Advanced Technology
							

Thermal: 客戶導向

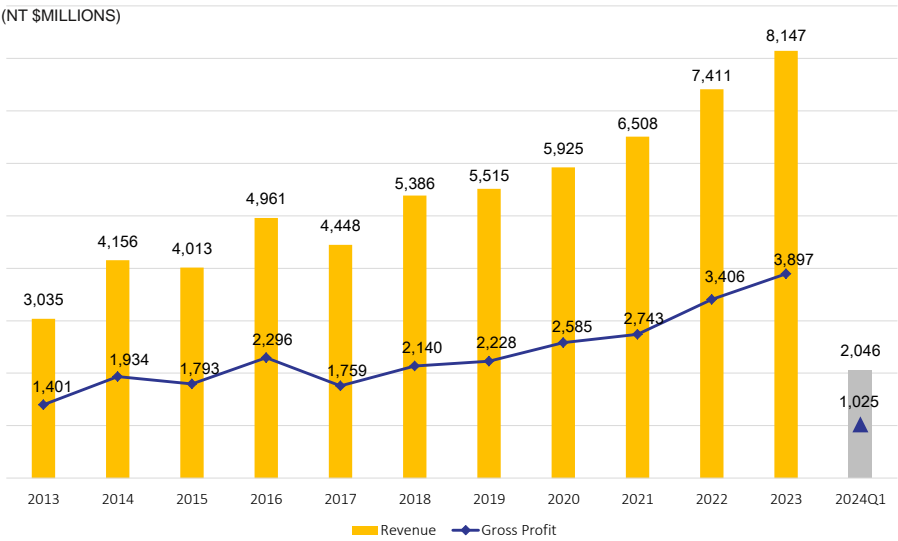
● **Innovational Temperature System** 創新的溫度測試系統
Ongoing R&D investments in platforms and improvements leads MPI to meet customer demands. Thermal systems have a number of patents to provide efficient energy saving products that helps clients to fulfill ESG responsibility.

● **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.

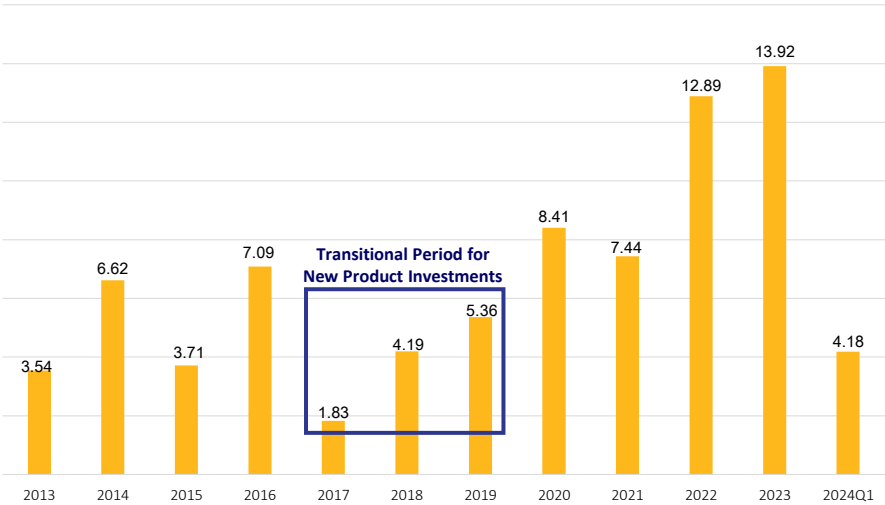
● **Deep Cooperation with Leading Customers for Engineering and Production demand**
與世界領導級大廠深度合作, 提供工程及量產需求
Product application expands to automotive , 5G/RF communication , fiber optic , and sensing fields.



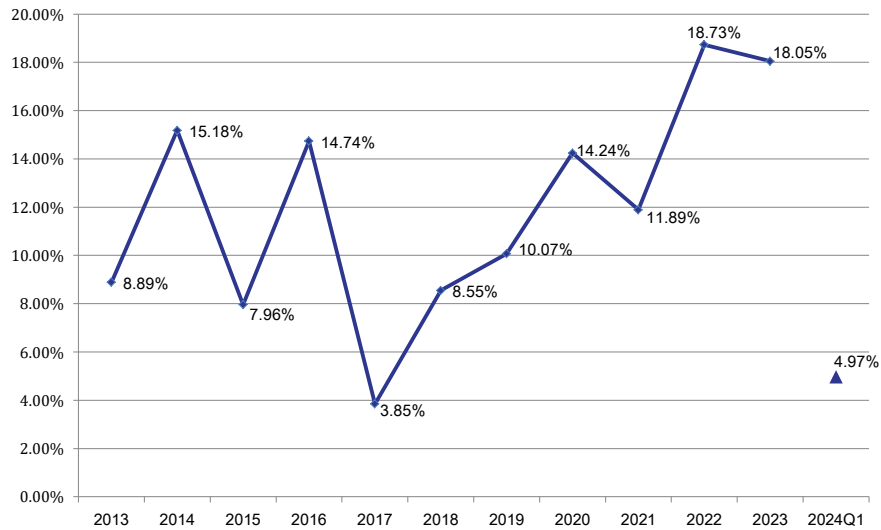
營收與毛利



EPS



股東權益報酬率



資產負債表

NT\$ Million	1Q 2024		1Q 2023	
Cash and Cash Equivalents	2,546	20%	2,385	22%
Fixed Assets	5,669	45%	4,481	41%
Total Assets	12,565	100%	10,952	100%
LT Debt	1,453	12%	996	9%
Shareholders' Equity	8,206	65%	7,204	66%
EBITDA	482	23%	336	19%

*EBITDA=operating income + depreciation & amortization expenses

綜合損益表

NT\$Million	1Q 2024		1Q 2023	
Net Sales	2,046,692	100%	1,778,781	100%
Cost of Goods Sold	1,020,800	50%	933,761	52%
Gross Profit	1,025,892	50%	845,020	48%
Operating Expense	639,117	32%	515,364	29%
Operating Income	386,775	18%	329,656	19%
Investment Income & Others	95,592		6,697	
Net Income (after tax)	392,927	19%	279,721	16%
EPS (after tax)	4.18		2.98	



旺矽的尖端技術

- 精細機械運動特性技術
- 微小電信偵測技術
- 高頻環境與量測技術
- 溫度控制及散熱技術
- 光、電、自動化 高度整合

公司策略

- **Talents with Global View**

旺矽擁有各領域專項國際人才，協助公司開發先進技術及市場

MPI has a group of international talents who does excellent job in term of territory expansion as well as technology advancement.

- **Grow with Worldwide Client**

旺矽與國際領先的公司密切合作，共同成長

Eying on future application developments, MPI works closely with global leading companies for potential new product/technology developments.

- **Combining Multiple Core Expertise**

旺矽結合內部不同領域核心專長，滿足客戶未來發展需求

MPI leverages talents in different fields internally that enables us to meet customers' future development needs.

MPICORPORATION



Thank you
Q&A



READY FOR THE TEST™