

旺矽科技股份有限公司 櫃買中心法說會

2023.8.11

READY FOR THE TEST™

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、半導體行業的周期性特性、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

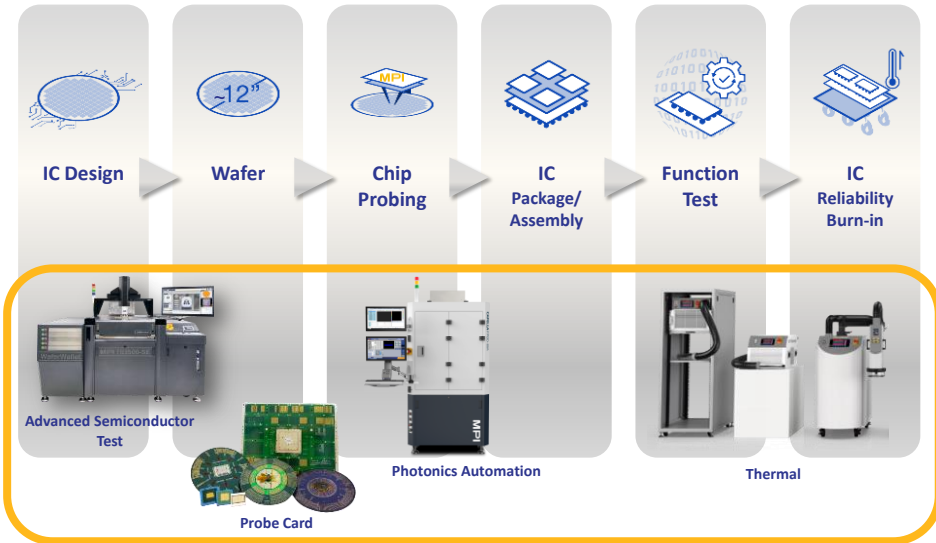


財務報表- Financial Statements- 發言人

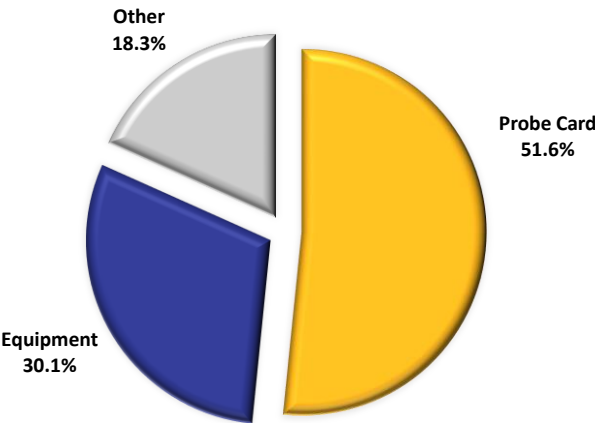


經營策略- Business Strategy- 董事長

MPI-The Powerhouse of Testing Solutions



1H 2023 營收分布



MPICORPORATION

Probe Card

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MPIProbeCard One Stop Shop

Vertical / MEMS Probe Card

Cantilever Probe Card



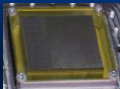
Features



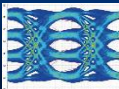
Fine Pitch



MEMS



High Pin Count



High Speed



Substrate

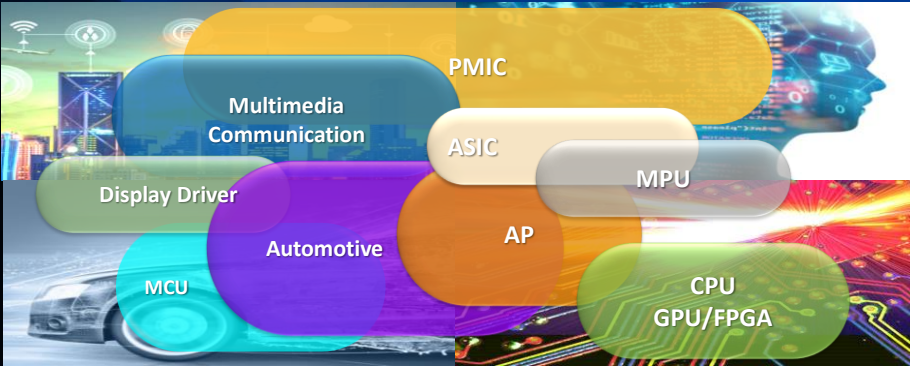


Hand-wired

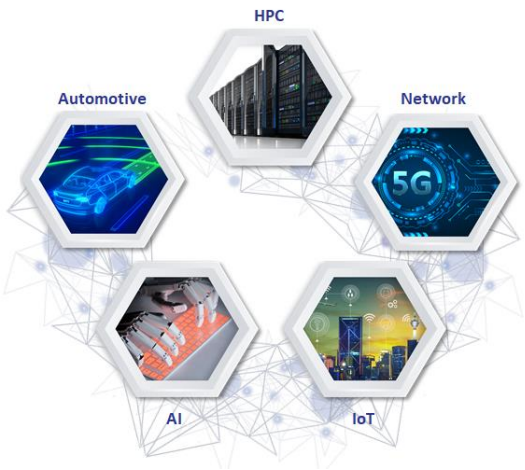


RF

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



快速增長的應用層面

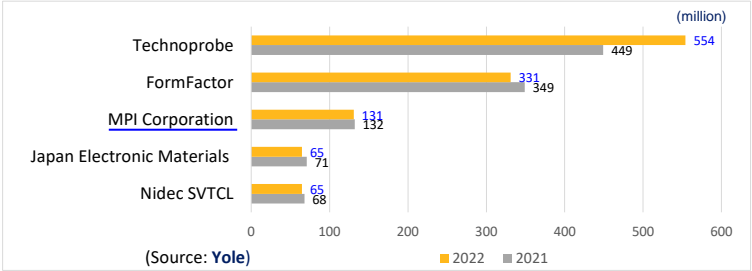


Chance and Challenge

Source: TSMC

前五大非記憶體探針卡供應商

	(Rank)	2017	2018	2019	2020	2021	2022
Technoprobe	Italy	2	2	2	2	1	1
FormFactor, Inc.	USA	1	1	1	1	2	2
MPI Corporation	Taiwan	3	3	3	3	3	3
Japan Electronic Materials	Japan	4	4	5	5	4	4
Nidec SVTCL	Singapore	5	5	4	4	5	5



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 high pin count 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.

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設備

- AST
- PA
- Thermal

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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



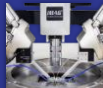
RF & mmW



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 Photonics Automation



Sensing



Source: Opsyis

- 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





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

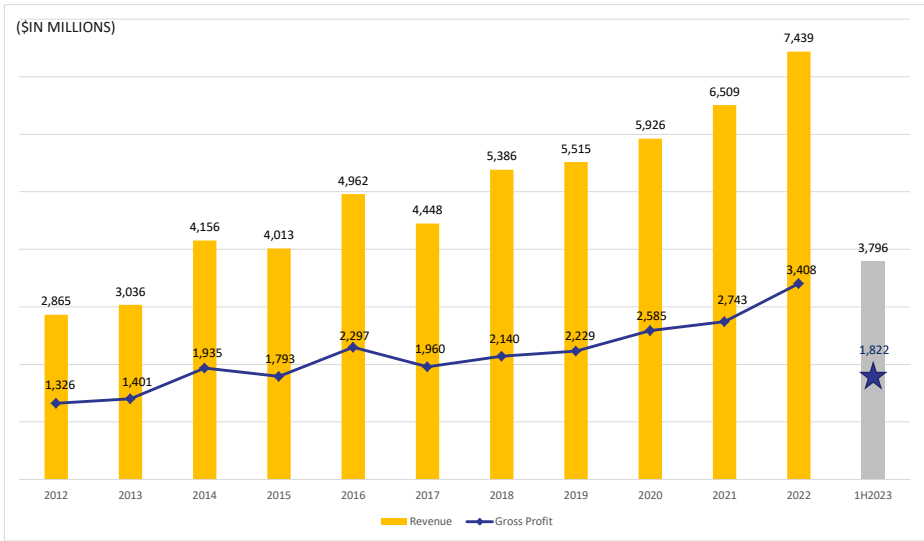
MPI's thermal solutions are developed by industry veterans with over 100 years of combined experience.

- **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.

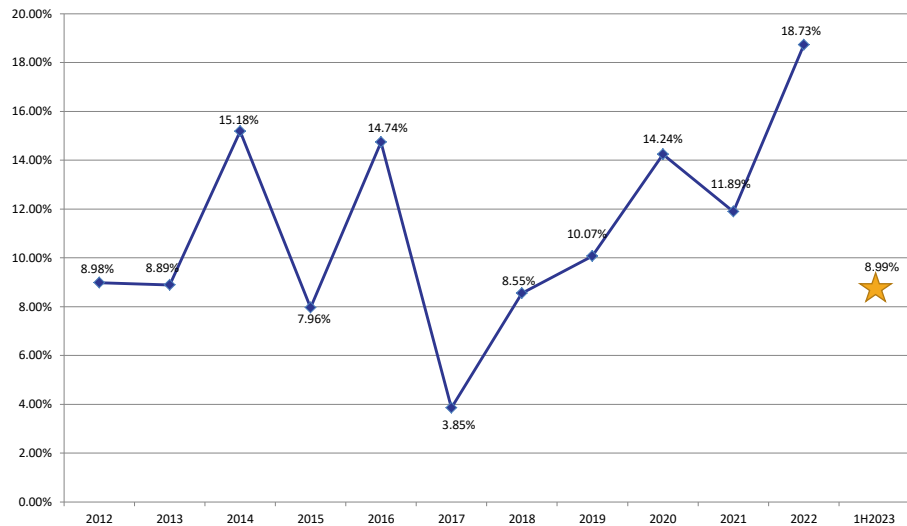
營收與毛利



EPS



股東權益報酬率



資產負債表

NT\$ Million	1H 2023		1H 2022	
Cash and Cash Equivalents	1,993	17%	1,589	15%
Fixed Assets	5,396	46%	4,418	42%
Total Assets	11,765	100%	10,401	100%
LT Debt	953	8%	1,091	11%
Shareholders' Equity	6,924	59%	6,286	60%
EBITDA	739	19%	738	21%

*EBITDA=operating income + depreciation & amortization expenses

綜合損益表

NT\$Million	1H 2023		1H 2022	
Net Sales	3,796,614	100%	3,588,079	100%
Cost of Goods Sold	1,973,971	52%	1,963,111	55%
Gross Profit	1,822,643	48%	1,624,968	45%
Operating Expense	1,106,169	29%	1,003,009	28%
Operating Income	716,474	19%	621,959	17%
Investment Income & Others	22,557		116,871	
Net Income (after tax)	622,676	16%	607,788	17%
EPS (after tax)	6.62		6.46	

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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.

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Thank you
Q&A



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