

MPI Corporation 6223.TT

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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.

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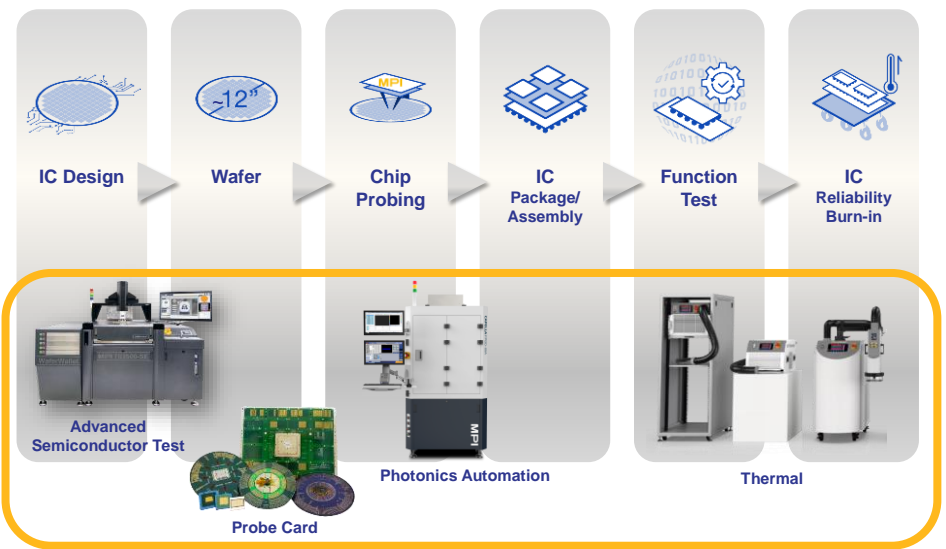


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MPI-The Powerhouse of Testing Solutions



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Agenda



Business Contents

- Probe Card
- Photonics Automation
- Thermal & AST



Financial Statements

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Probe Card

READY FOR THE TEST™

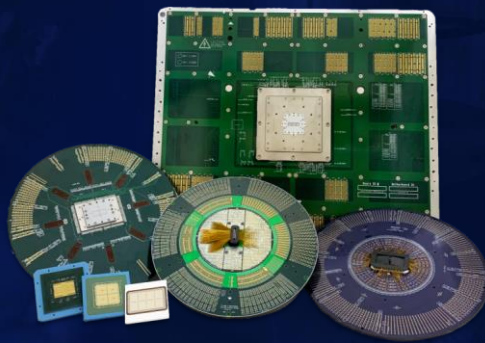
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MPI Probe Card

Advanced Wafer Sort Test Solutions

Vertical / MEMS

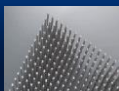
Cantilever



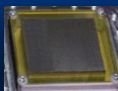
Features



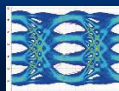
Fine Pitch



MEMS



High Pin Count



High Speed



Substrate

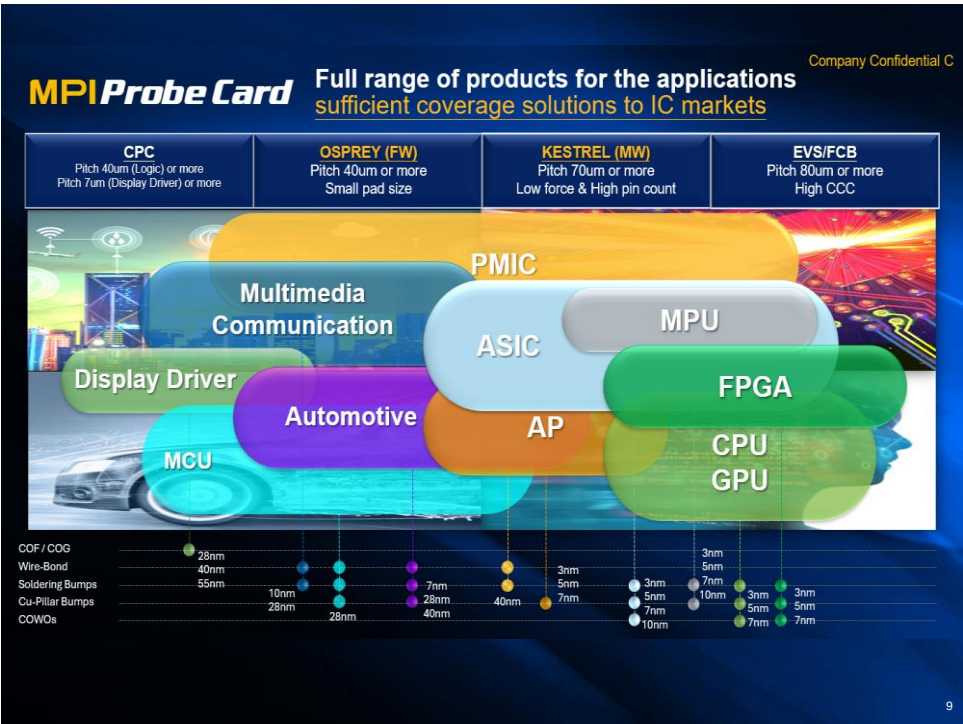


Hand-wired



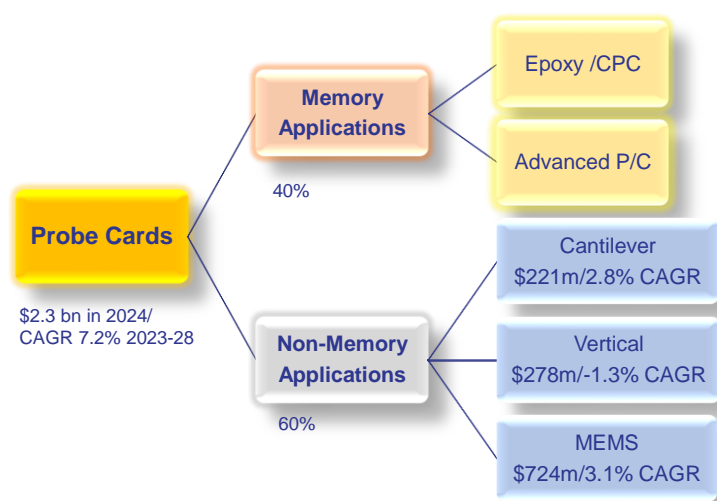
RF

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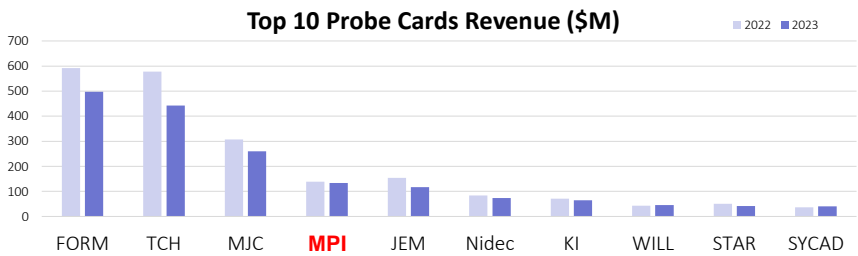
Global Probe Card Market Update



Source: Technisights

Total Own Make IC Probe Cards Venders

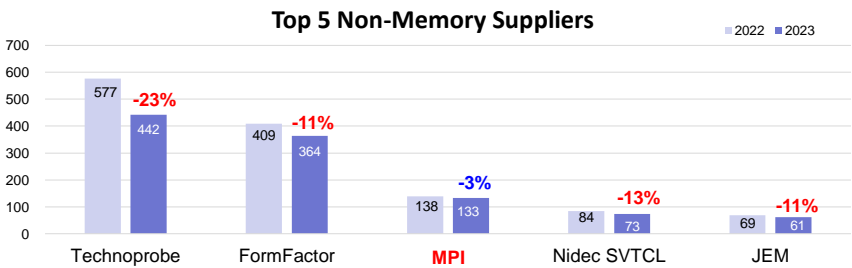
	(Rank)		2020	2021	2022	2023
FormFactor	USA	1	1	1	1	1
Technoprobe	Italy	2	2	2	2	2
Micronics Japan	Japan	3	3	3	3	3
MPI Corporation	Taiwan	5	5	5	5	4
Japan Electronic Materials	Japan	4	4	4	4	5



Source: TechnInsights

Top 5 Non-Memory Probe Card Vendors

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



Source: TechnInsights

Probe Card: Total Solution Provider

- **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.

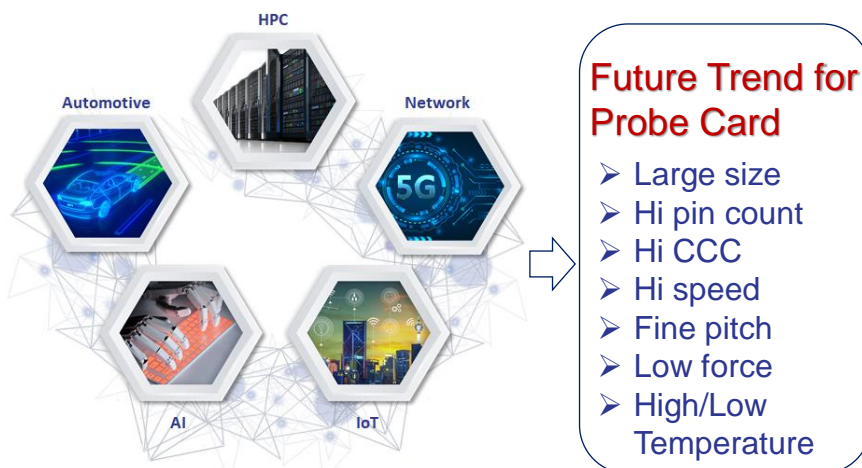
- **Solid Global Clientele** 堅實的國際合作夥伴

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

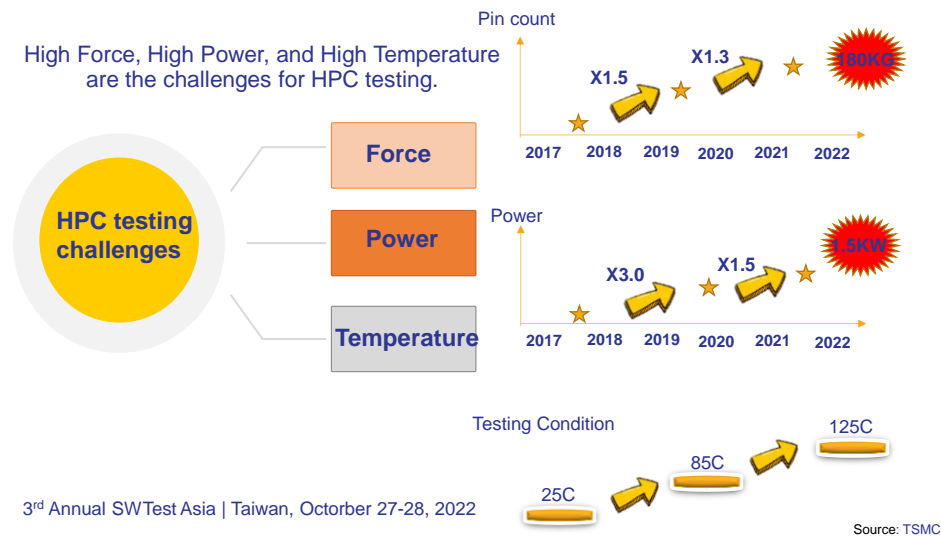
Provide probe head, substrate(MLO/MLC/MLOC) and PCB one-stop service.

Fast Growing Applications

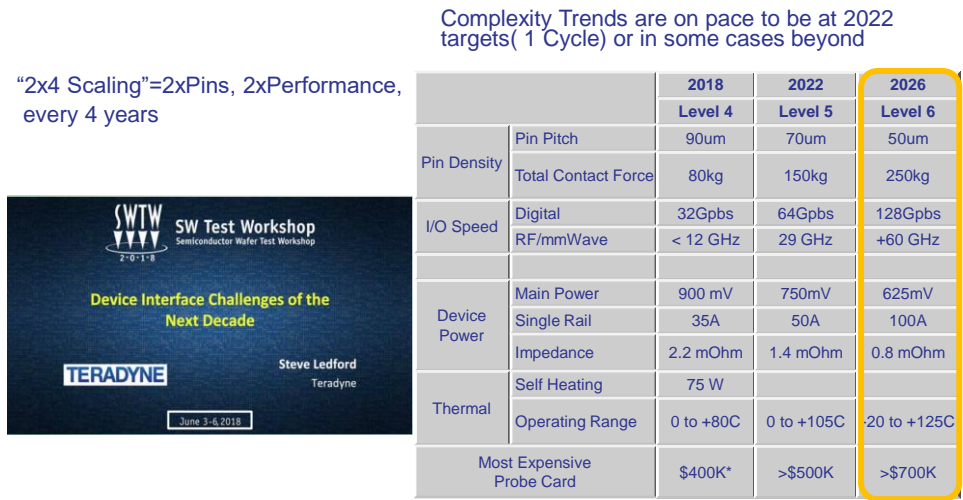


Source: TSMC

HPC Challenges

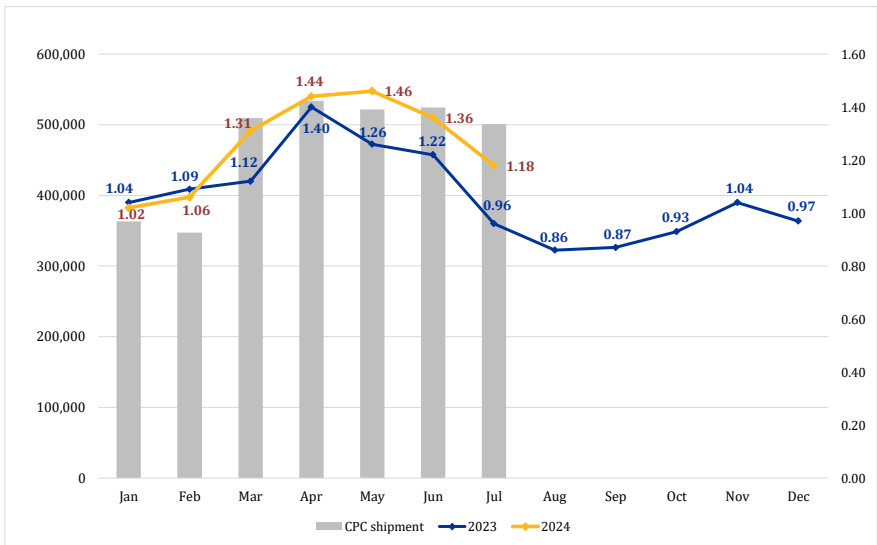


Interface Technical Complexity Check in

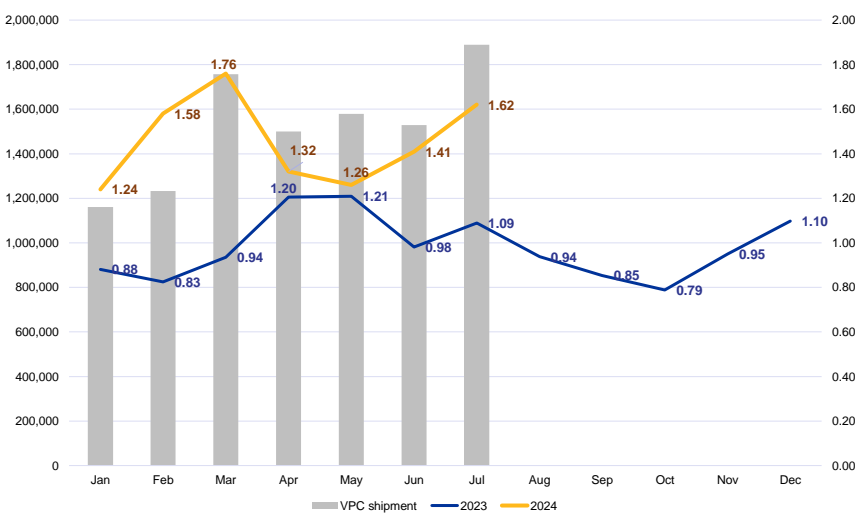


Source:Teradyne

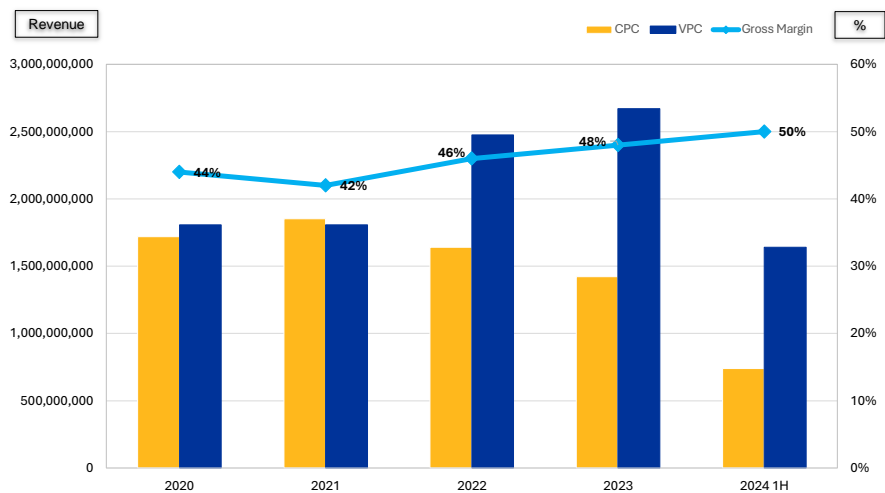
CPC Pin-Shipment & BB ratio



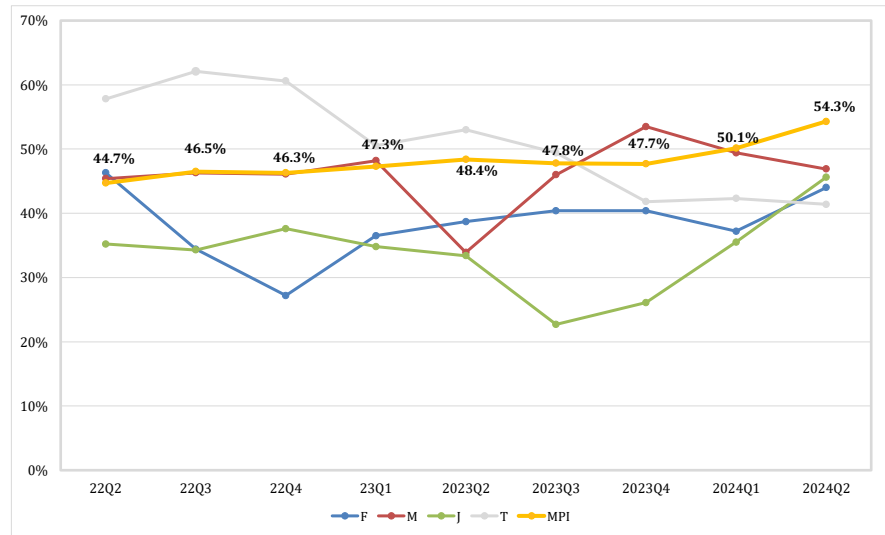
VPC Pin-Shipment & BB ratio



CPC and VPC Yearly Status



Gross Margin Between Global Peers



Line chart showing the percentage of revenue by segment for MPI Corporation from 22Q2 to 24Q2. The Y-axis represents the percentage of revenue, ranging from -20% to 60%. The X-axis shows the quarters: 22Q2, 22Q3, 22Q4, 23Q1, 23Q2, 23Q3, 23Q4, 24Q1, and 24Q2. The segments are F (blue), M (red), J (green), and MPI (yellow). The data points are labeled with their respective percentages.

Quarter	F (%)	M (%)	J (%)	MPI (%)
22Q2	17.4%	17.4%	11.2%	17.4%
22Q3	2.1%	20.9%	14.1%	17.9%
22Q4	-9.6%	20.4%	20.4%	14.6%
23Q1	0.4%	18.3%	15.1%	18.3%
23Q2	-0.8%	-3.4%	6.4%	19.2%
23Q3	1.8%	10.8%	-6.4%	18.7%
23Q4	48.4%	19.9%	0.4%	16.2%
24Q1	0.1%	21.4%	15.4%	18.9%
24Q2	9.1%	23.4%	25.0%	25.0%



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Product Portfolio and Capability

VEGA Line
Optical Sensing

AVIOR Line
Optical Communications

CAPELLA Line
LED/ Mini LED

GEMINI Line
Micro Display

➤ **High Power VCSEL Wafer Testing**
Wafer / Board Prober Development
Testing methodology Development

➤ **VCSEL / Photo-Detector Testing**
Wafer / Board Prober Development
Testing methodology Development

➤ **uLED Mass Production Methodology**
Wafer prober for large quantity die testing method

➤ **High Power VCSEL PKG Testing**
PKG Handler Development
Testing methodology Development

➤ **RF Character**
Wafer Level RF Testing Integration

➤ **Panel testing platform development**
Panel / Panel in-process testing platform

➤ **SiPh Die/PKG Platform**
SiPh Handler Development

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Development Plan by Application



Optical Sensing	Optical Communications	Micro Display
<ul style="list-style-type: none">➤ 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	<ul style="list-style-type: none">➤ Focus on VCSEL/Photodetector Testing➤ Wafer Prober for Dark / Responsivity / Capacity measurement➤ RF Measurement Capability Development➤ SiPh package testing approaching	<ul style="list-style-type: none">➤ Lab and production wafer testing tool development➤ Contacting Accuracy Improvement➤ Innovative testing methodology➤ Optical measurement in production methodology

PA: Work With Market Leaders

● **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.

MPICORPORATION

Thermal/AST

READY FOR THE TEST™

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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

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Thermal: Customer Focus

- **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.

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

AST: Unique Market Leader

- **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

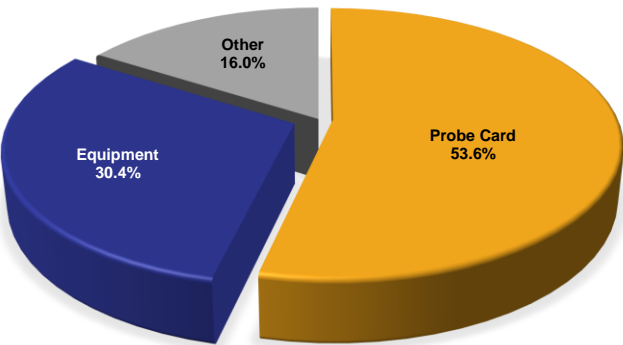
Design based on Voice of the customer to full-fill customers' needs.

- **Complete Solution** 提供完整的解決方案

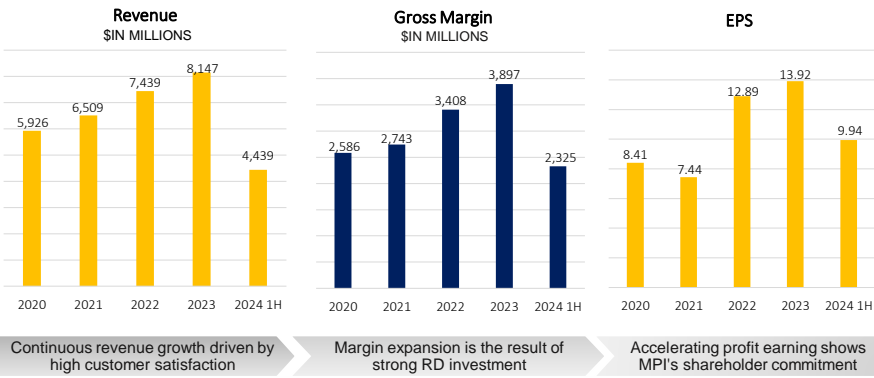
Various series of products to cover wide range applications include Device Modeling, RF & mmW, WLR, High-Power, Failure Analysis, Extreme temperature test ...etc.

Financial Statements

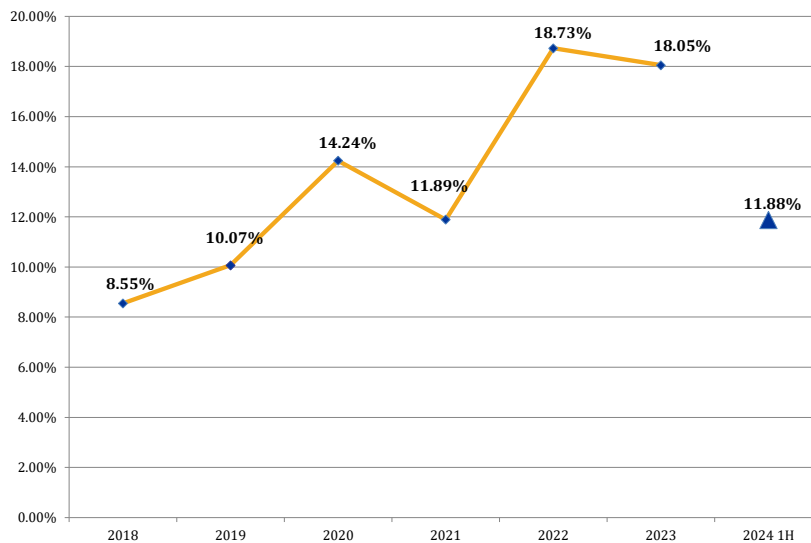
2024 1H Revenue Breakdown



Solid Performance



ROE



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Balance Sheet Highlight

NT\$ Million	1H 2024		1H 2023	
Cash and Cash Equivalents	2,673	20%	1,993	17%
Fixed Assets	5,913	43%	5,396	46%
Total Assets	13,697	100%	11,765	100%
LT Debt	1,403	10%	953	8%
Shareholders' Equity	8,196	60%	6,924	59%
EBITDA	1,166	26%	739	19%

*EBITDA=operating income + depreciation & amortization expenses

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P&L

NT\$Million	1H 2024		1H 2023	
Net Sales	4,439,686	100%	3,796,614	100%
Cost of Goods Sold	2,113,749	48%	1,973,971	52%
Gross Profit	2,325,937	52%	1,822,643	48%
Operating Expense	1,341,566	30%	1,106,169	29%
Operating Income	984,371	22%	716,474	19%
Investment Income & Others	182,244		22,557	
Net Income (after tax)	935,601	21%	622,676	16%
EPS (after tax)	9.94		6.62	

MPI CORPORATION






Thank You

<http://www.mpi-corporation.com>

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