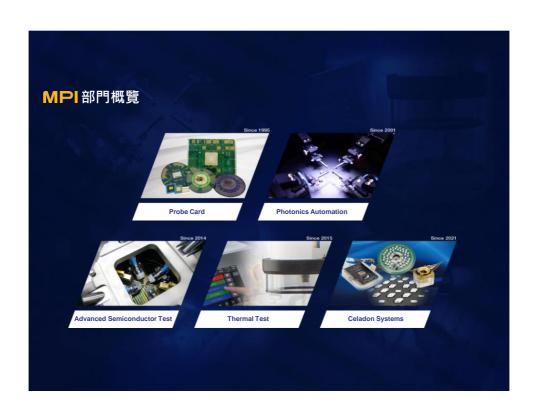


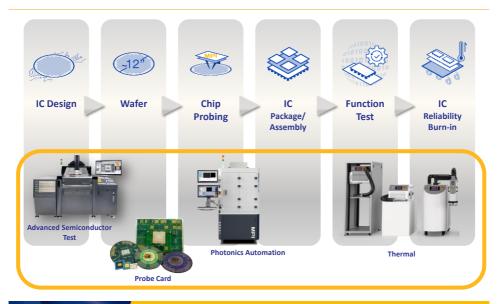
免責聲明

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



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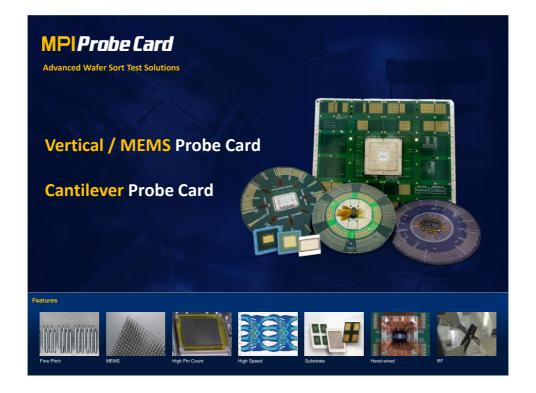


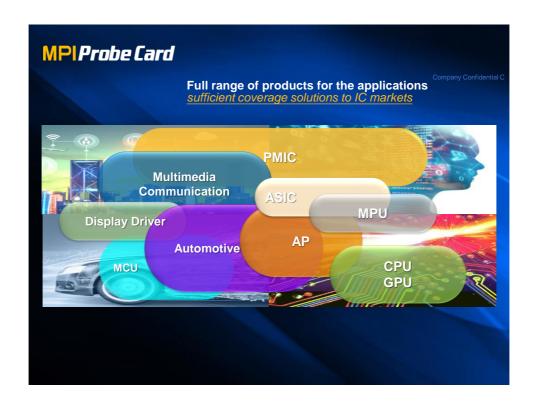
Business Contents

Probe Card
Photonics Automation
Thermal & AST

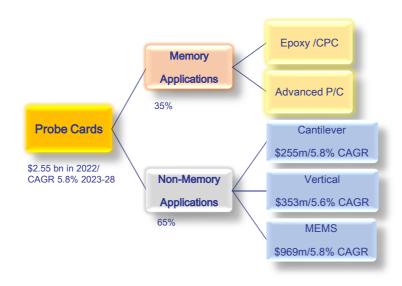








Global Probe Card Market Update



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



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HPC 需求

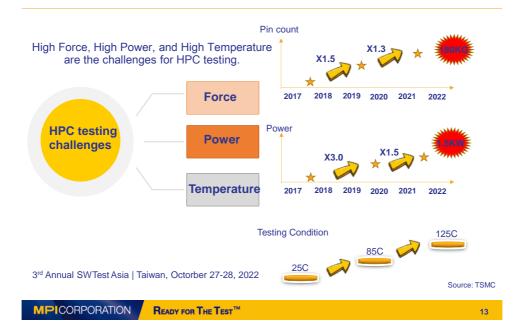
The demand of HPC (High Performance Computing) growth rapidly.



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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



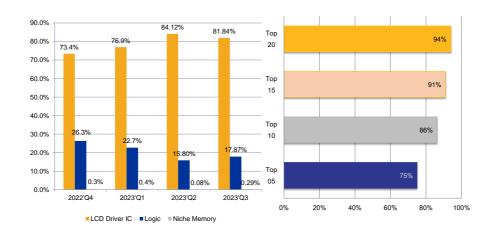
			2018	2022	2026	
			Level 4	Level 5	Level 6	
		Pin Pitch	90um	70um	50um	
	Pin Density	Total Contact Force	80kg	150kg	250kg	
	I/O Speed	Digital	32Gpbs	64Gpbs	128Gpbs	
	I/O Speed	RF/mmWave	< 12 GHz	29 GHz	+60 GHz	
	Device	Main Power	900 mV	750mV	625mV	
		Single Rail	35A	50A	100A	
	Power	Impedance	2.2 mOhm	1.4 mOhm	0.8 mOhm	
		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 Source: VLSI Research

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出貨產品結構及主要客戶

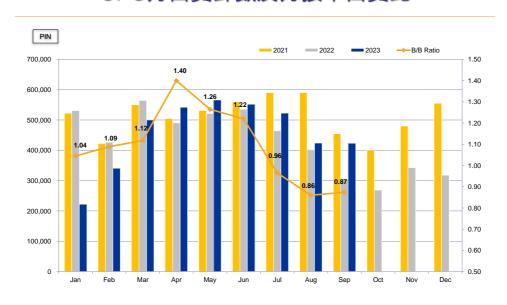


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CPC月出貨針數及月接單出貨比



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VPC月出貨針數及月接單出貨比

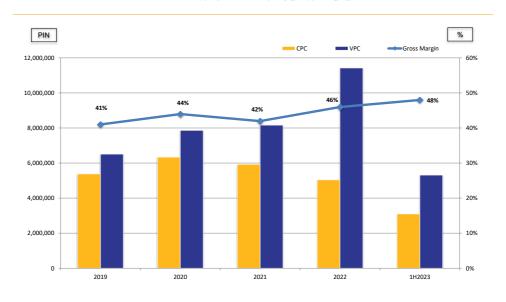


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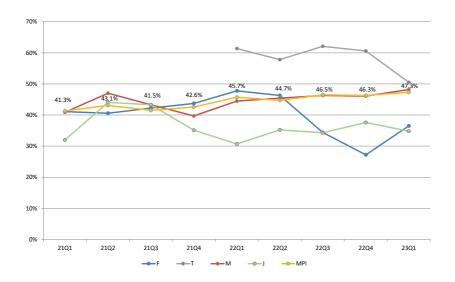
CPC及VPC成長趨勢



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全球同業毛利率

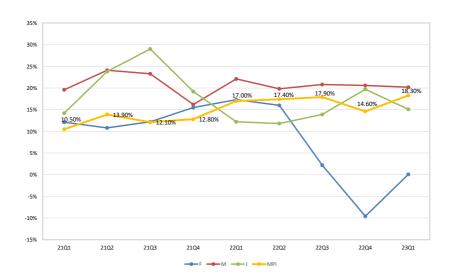


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全球同業營利率



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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

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發展計畫







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





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.

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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.

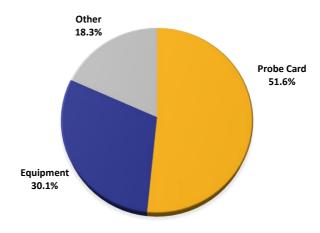
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1H 2023出貨分布



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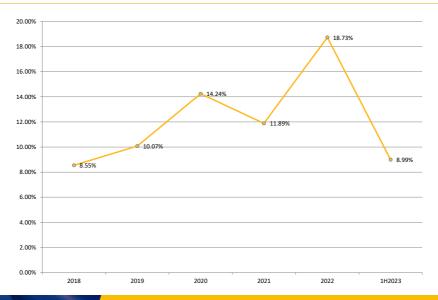
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營業表現



股東權益報酬率



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資產負債表

1H 2023		1H 2022	
1,993	17%	1,589	15%
5,396	46%	4,418	42%
11,765	100%	10,401	100%
953	8%	1,091	11%
6,924	59%	6,286	60%
739	19%	738	21%
	1,993 5,396 11,765 953 6,924	1,993 17% 5,396 46% 11,765 100% 953 8% 6,924 59%	1,993 17% 1,589 5,396 46% 4,418 11,765 100% 10,401 953 8% 1,091 6,924 59% 6,286

*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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