

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.







MPI-The Powerhouse of Testing Solutions

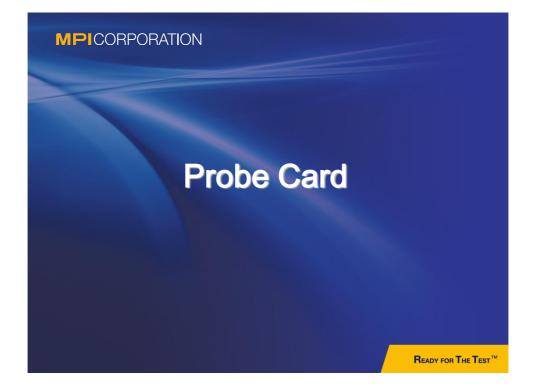


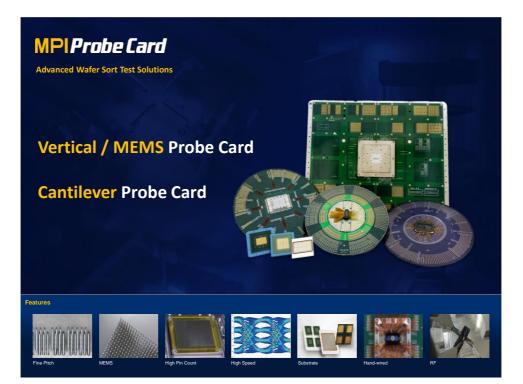


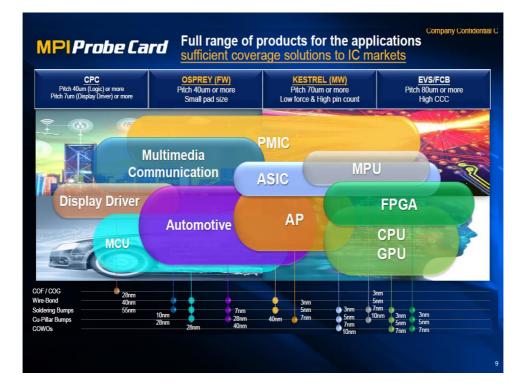
Business Contents Probe Card Photonics Automation Thermal & AST



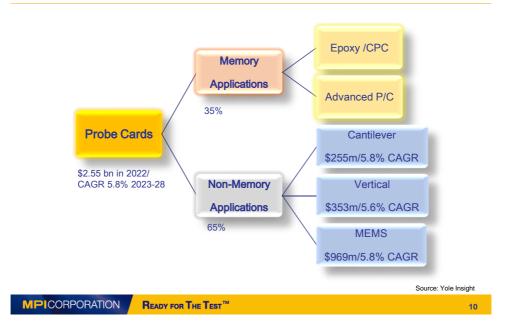
Financial Statements

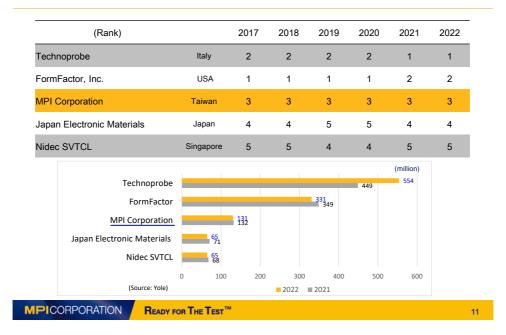






Global Probe Card Market Update





Top 5 Non-Memory Probe Card Vendors

Probe Card: Total Solution Provider

● Comprehensive Product Range for Circuit Testing 全方位的產品布局

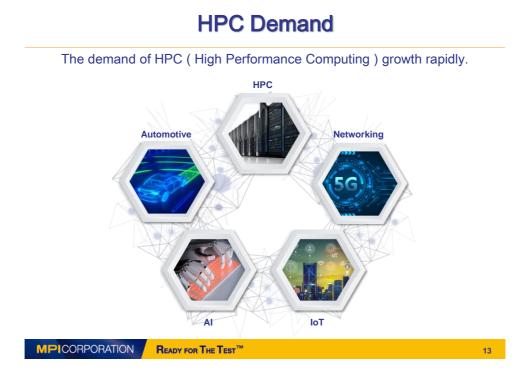
MPI provides omnidirectional products to global customers, including <u>fine</u> <u>pitch CPC</u>, <u>high speed VPC</u> and <u>high pin count MEMS</u> solutions.

● Solid Global Clientele 堅實的國際合作夥伴

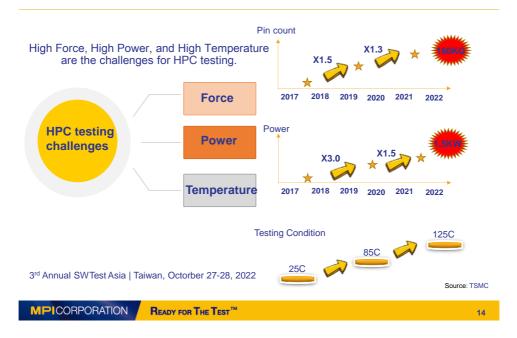
MPI works closely with worldwide market leaders, especially for the AI, HPC application related.

● Complete Probe Card Solution 完整的探針卡整合方案

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



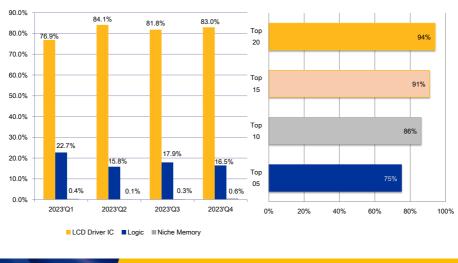
HPC Challenges



Interface Technical Complexity Check in

	Comple targets	Complexity Trends are on pace to be at 2022 targets(1 Cycle) or in some cases beyond				
"2x4 Scaling"=2xPins, 2xPerform	ance,		2018	2022	2026	
every 4 years			Level 4	Level 5	Level 6	
5		Pin Pitch	90um	70um	50um	
	Pin Density	Total Contact Force	80kg	150kg	250kg	
(WTW cw Test Westerland	1/0 0	Digital	32Gpbs	64Gpbs	128Gpbs	
SW Test Workshop Semiconductor Wafer Test Workshop	I/O Speed	RF/mmWave	< 12 GHz	29 GHz	+60 GHz	
2-0-1-8						
Device Interface Challenges of the		Main Power	900 mV	750mV	625mV	
Next Decade	Device	Single Rail	35A	50A	100A	
Steve Led		Impedance	2.2 mOhm	1.4 mOhm	0.8 mOhm	
TERADYNE		Self Heating	75 W			
June 3-6,2018	Thermal	Operating Range	0 to +80C	0 to +105C	-20 to +125C	
Most Expensive Probe Card			\$400K*	>\$500K	>\$700K	
Source:Teradyne						
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Product Mix of CPC (Cantilever)



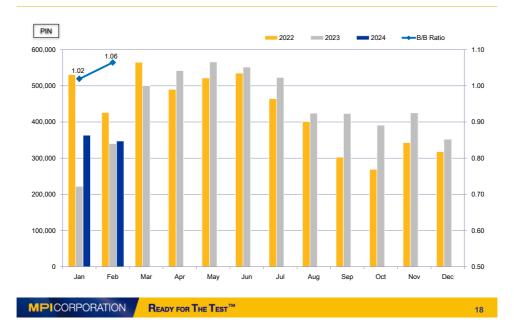
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CPC Pin-Shipment_2023

CPC Pin-Shipment_2024





VPC Pin-Shipment_2023

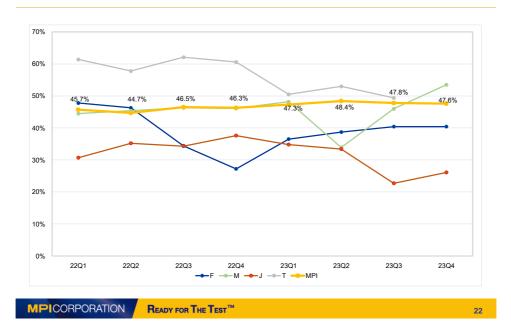
VPC Pin-Shipment_2024

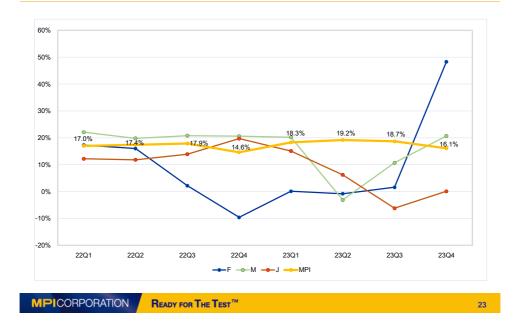




CPC and VPC Yearly Status

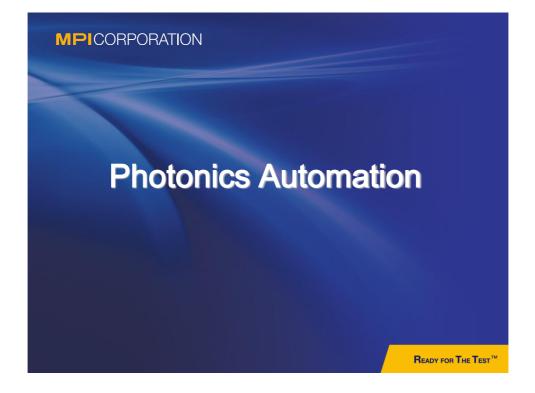
Gross Margin Between Global Peers





Operating Margin Between Global Peers

MPI <i>Probe Card</i>	
Our Customer	
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Product Portfolio and Capability



Development Plan by Application







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

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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 <u>lighting</u> and <u>electrical</u> fields with <u>automation</u> 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.

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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.

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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

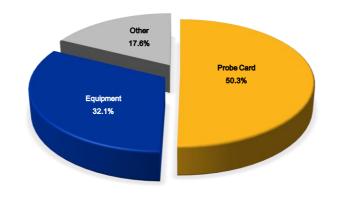
Various series of products to cover wide range applications include Device Modeling, RF & mmW, WLR, High-Power, Failure Analysis, Extreme temperature test ...etc.

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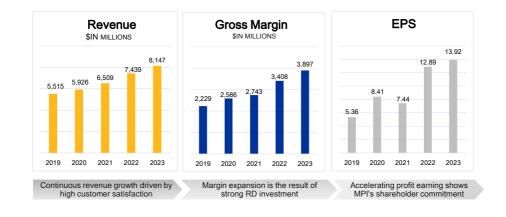


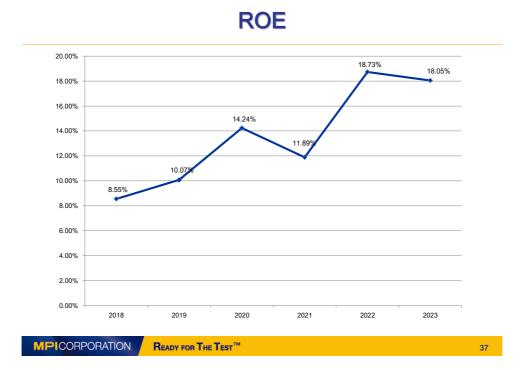
2023 Revenue Breakdown



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Solid Performance





Balance Sheet Highlight

NT\$ Million	202	2023		2
Cash and Cash Equivalents	2,579	21%	2,382	22%
Fixed Assets	5,535	45%	4,494	41%
Total Assets	12,439	100%	10,902	100%
LT Debt	1,511	12%	1,038	10%
Shareholders' Equity	7,620	61%	6,893	63%
EBITDA	1,582	19%	1,445	19%
*EBITDA=operating income + depreciation & amortization expenses				

P&L

NT\$Million	2023		2022	
Net Sales	8,147,112	100%	7,411,929	100%
Cost of Goods Sold	4,250,049	52%	4,005,548	54%
Gross Profit	3,897,063	48%	3,406,381	46%
Operating Expense	2,425,698	30%	2,156,089	29%
Operating Income	1,471,365	18%	1,250,292	17%
Investment Income & Others	110,930		195,703	
Net Income (after tax)	1,309,575	16%	1,212,262	16%
EPS (after tax)	13.92		12.89	

