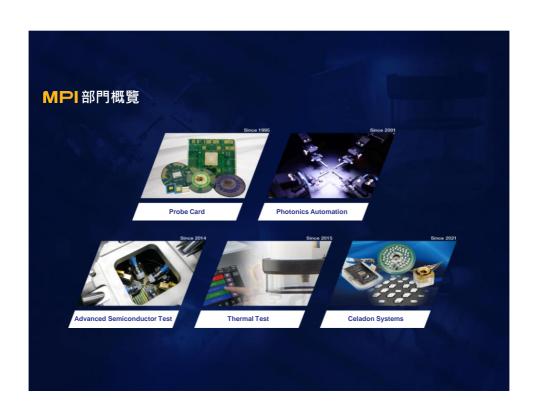


Presentation Disclaimer

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.





供應鏈概覽



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議程

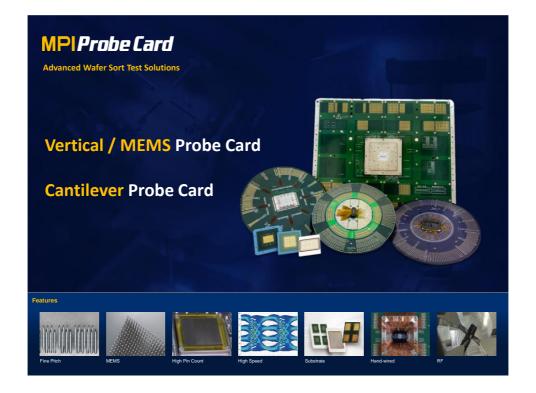


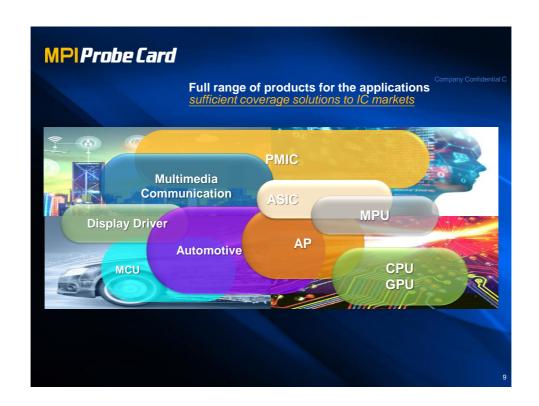
Business Contents

Probe Card
Photonics Automation
Thermal & AST

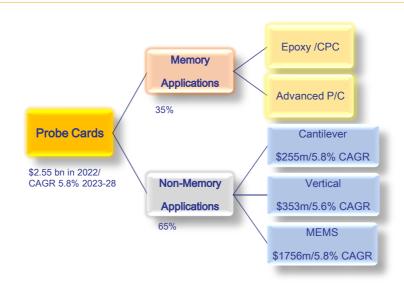








全球探針卡市場概況



前十大探針卡供應商(2017-2022)

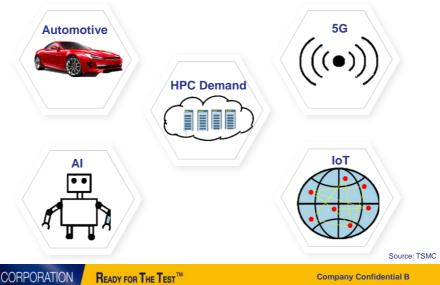
(Rank)	2017	2018	2019	2020	2021	2022
FormFactor, Inc. (USA)	1	1	1	1	1	1
Micronics Japan Co., Ltd. (Japan)	2	3	3	3	3	3
Technoprobe (Italy)	3	2	2	2	2	2
Japan Electronic Materials (Japan)	4	4	4	4	4	4
MPI Corporation (Taiwan)	5	5	5	5	5	5
SV TCL (Singapore)	6	6	6	7	8	7
Microfriend (Korea)	7	10	10	10	-	-
Korea Instrument (Korea)	8	7	8	6	7	6
Cascade Microtech (USA)	-	-	-	-	-	-
FEINMETALL (Germany)	11	12	11	14	-	-

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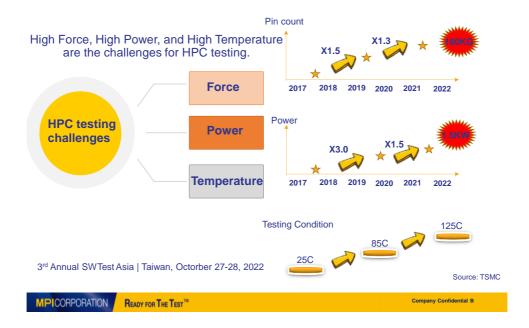
HPC 需求

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	
70 Speed	RF/mmWave	< 12 GHz	29 GHz	+60 GHz	
	Main Power	900 mV	750mV	625mV	
Device Power	Single Rail	35A	50A	100A	
Fowei	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	

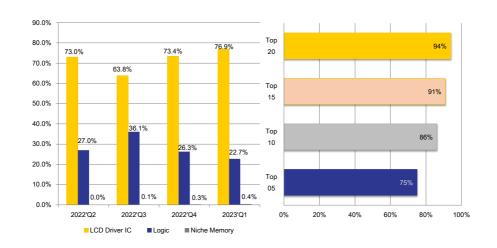
Source:VLSI Research Source:Teradyne

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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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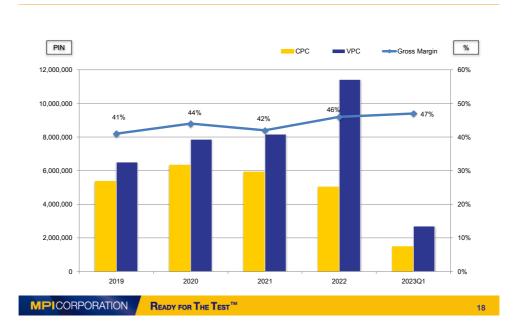
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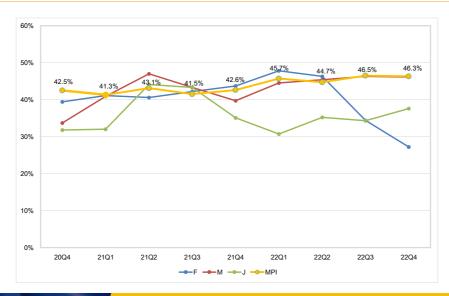
VPC月出貨針數及月接單出貨比



CPC及VPC成長趨勢



全球同業毛利率

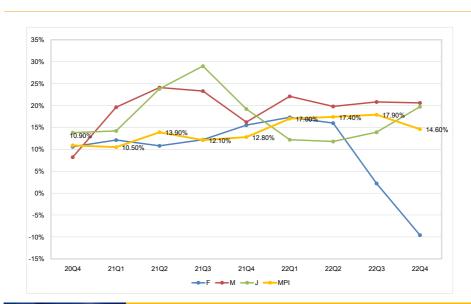


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全球同業營利率



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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
A A A A	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	A A A	Lab and production wafer testing tool development Contacting Accuracy Improvement Innovative testing methodology Optical measurement in production methodology

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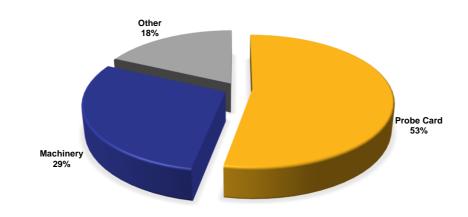
MPI構思

- ■To Combine Two Very Unique Values
- ■The MPI Corporation

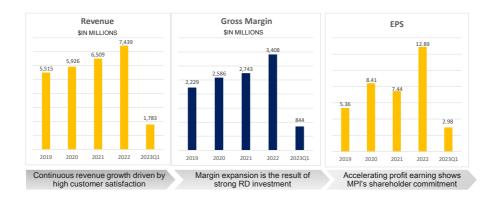
 - Operational Excellence High quality, on time
 Production Test Experience 24/7 systems reliability
 Customer Centric Highest value without compromise
- Management & Market Expertise
 - More than 50 years together in Device Modeling, RF & mmW, WLR, High-Power, Failure Analysis, Thermal Visionary and Innovative Ideas
 Worldwide Partner Relationships



1Q23 出貨分布



營業表現

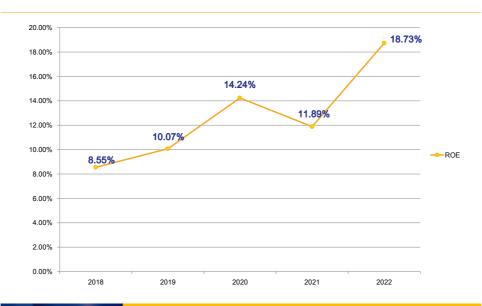


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股東權益報酬率



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資產

NT\$Million	2023' 1Q		2022' 1Q	
Cash and Cash Equivalents	2,385	22%	1,307	13%
Fixed Assets	4,481	41%	4,408	44%
Total Assets	10,959	100%	10,035	100%
LT Debt	996	9%	1,113	11%
Shareholders' Equity	7,204	66%	6,376	64%
EBITDA	333	18%	366	21%

*EBITDA=operating income + depreciation & amortization expenses

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營收

NT\$Million	1Q20	23	1Q2022		
Net Sales	1,783,537	100%	1,720,155	100%	
Cost of Goods Sold	939,346	53%	934,315	54%	
Gross Profit	844,191	47%	785,840	46%	
Operating Expense	517,648	29%	492,651	29%	
Operating Income	326,543	18%	293,189	17%	
Investment Income & Others	6,864		73,674		
Net Income (before tax)	279,721	15%	306,230	18%	
EPS	2.98		3.25		

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