

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



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Agenda

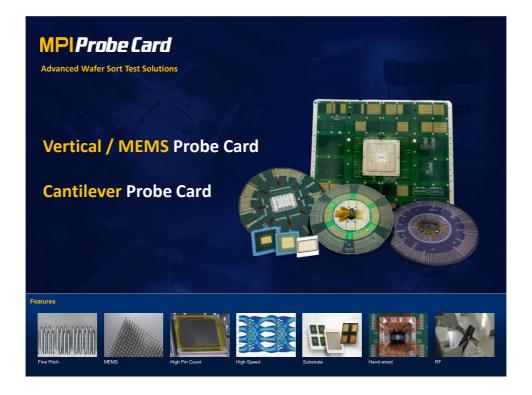


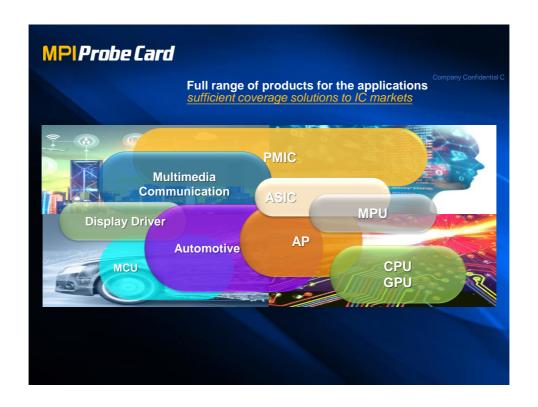
Business Contents

Probe Card
Photonics Automation
Thermal & AST

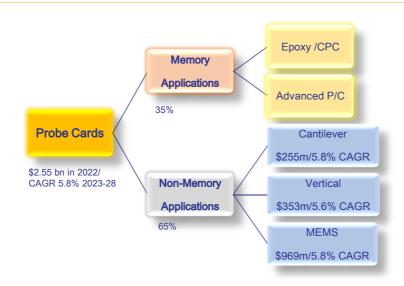






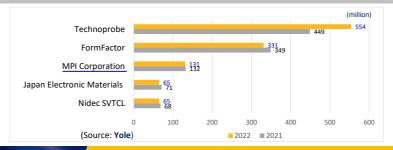


Global Probe Card Market Update



Top 5 Non-Memory Probe Card Vendors

(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 Demand

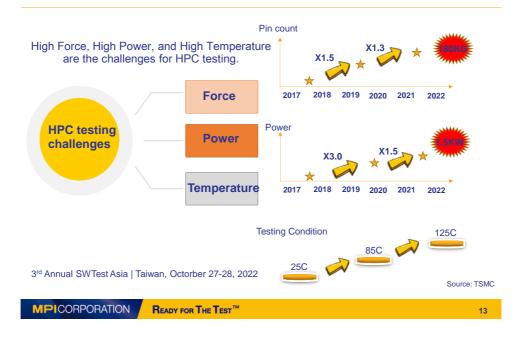
The demand of HPC (High Performance Computing) growth rapidly.



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HPC Challenges



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



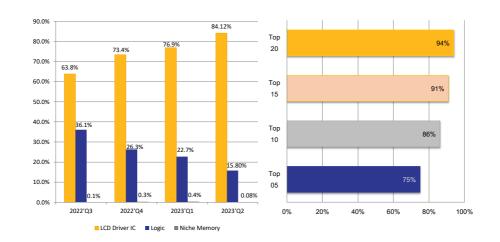
,		2010	2022	2020	
,		Level 4	Level 5	Level 6	
	Pin Pitch	90um	70um	50um	
Pin Density	Total Contact Force	80kg	150kg	250kg	
I/O Speed	Digital	32Gpbs	64Gpbs	128Gpbs	
70 Speed	RF/mmWave	< 12 GHz	29 GHz	+60 GHz	
	Main Power	900 mV	750mV	625mV	
Device Power	Single Rail	35A	50A	100A	
Power	Impedance	2.2 mOhm	1.4 mOhm	0.8 mOhm	
	Self Heating	75 W			
Thermal	Operating Range	0 to +80C	0 to +105C	-20 to +125C	
	et Expensive robe Card	\$400K*	>\$500K	>\$700K	

Source: Teradyne Source: VLSI Research

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Product Mix of CPC (Cantilever)



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CPC Pin-Shipment



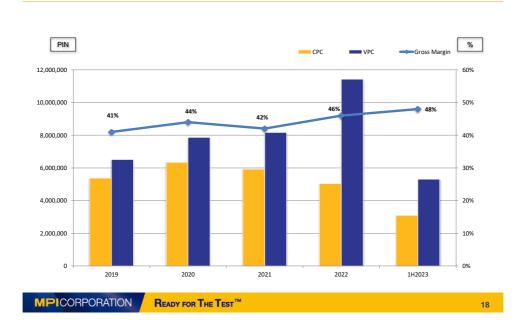
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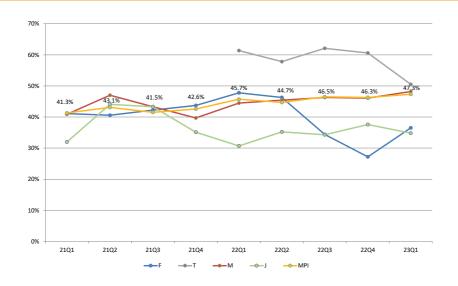
VPC Pin-Shipment



CPC and VPC Yearly Status



Gross Margin Between Global Peers

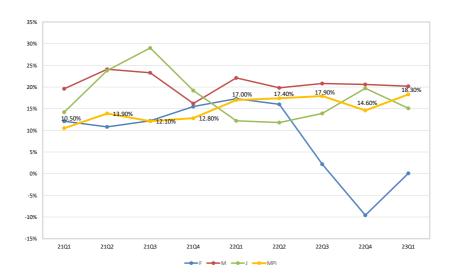


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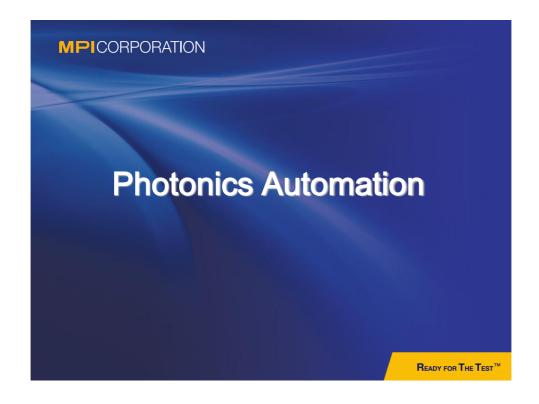
Operating Margin Between Global Peers



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Product Portfolio and Capability



- ➢ 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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Development Plan by Application







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







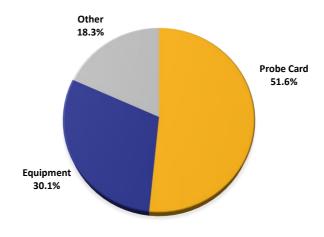
MPI's Ideation

- ■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



1H 2023 Revenue Breakdown



Solid Performance

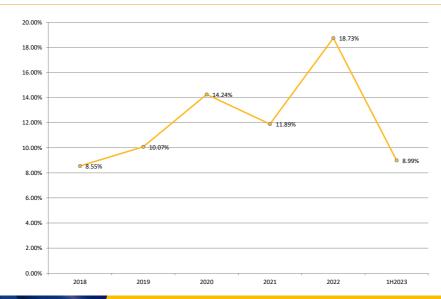


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Balance Sheet Highlight

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

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P&L

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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