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**Industry Leading Provider of Outsourced  
Semiconductor Assembly, Test & Bumping Services**

**August 2024**

## Safe Harbor Notice

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- ❖ This presentation contains certain forward-looking statements. These forward-looking statements may be identified by words such as ‘believes,’ ‘expects,’ ‘anticipates,’ ‘projects,’ ‘intends,’ ‘should,’ ‘seeks,’ ‘estimates,’ ‘future’ or similar expressions or by discussion of, among other things, strategies, goals, plans or intentions. These statements may include financial projections and estimates and their underlying assumptions, statements regarding plans, objectives and expectations with respect to future operations, products and services, and statements regarding future performance. Actual results may differ materially in the future from those reflected in forward-looking statements contained in this document, due to various factors. Further information regarding these risks, uncertainties and other factors are included in the Company’s most recent Annual Report on Form 20-F filed with the U.S. Securities and Exchange Commission (the “SEC”) and in the Company’s other filings with the SEC.

# Company Snapshot

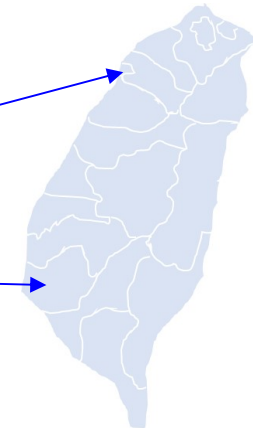
## Overview

- ❑ Founded : 1997
- ❑ Headquarters : Hsinchu, Taiwan
- ❑ Ticker Symbol : TWSE : 8150.TW  
NASDAQ : IMOS (ADS)
- ❑ Market Cap.<sup>1</sup>: 31,198.6MNTD  
(961.4MUSD<sup>2</sup>)
- ❑ Employee<sup>1</sup>: 5,953

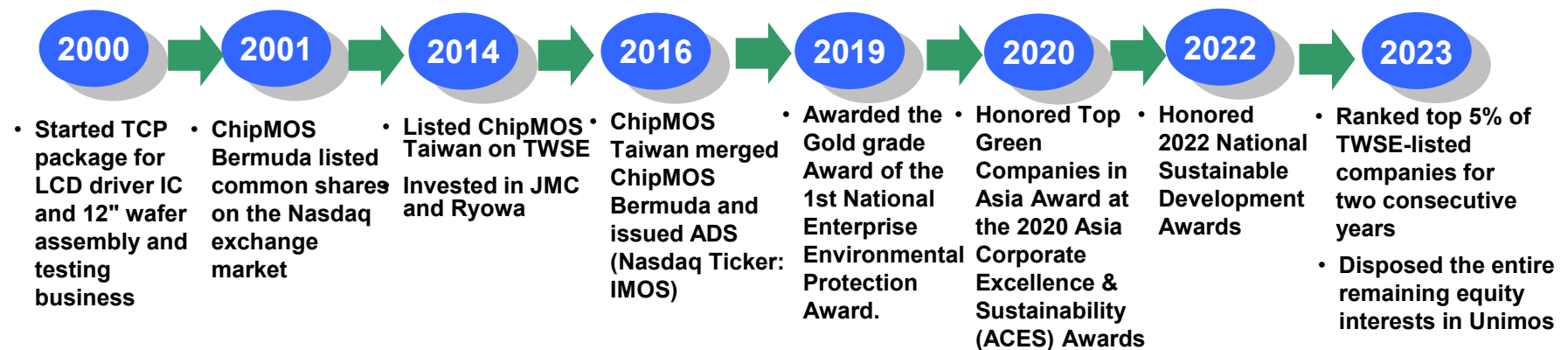
## Footprint

*Hsinchu: Memory /Mixed-signal test and Bumping*

*Tainan: Assembly and DDIC assembly & test*



## Key milestones



(1) As of June 28, 2024

(2) The exchange rate was NT\$32.45 against to US\$1.00

# ChipMOS Footprints

## Headquarter

Hsinchu Science Park, Hsinchu City



Hukou, Hsinchu County



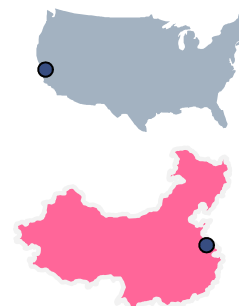
Chupei II, Hsinchu County



Chupei I, Hsinchu County



Southern Science Park, Tainan City



San Jose (Sale office)

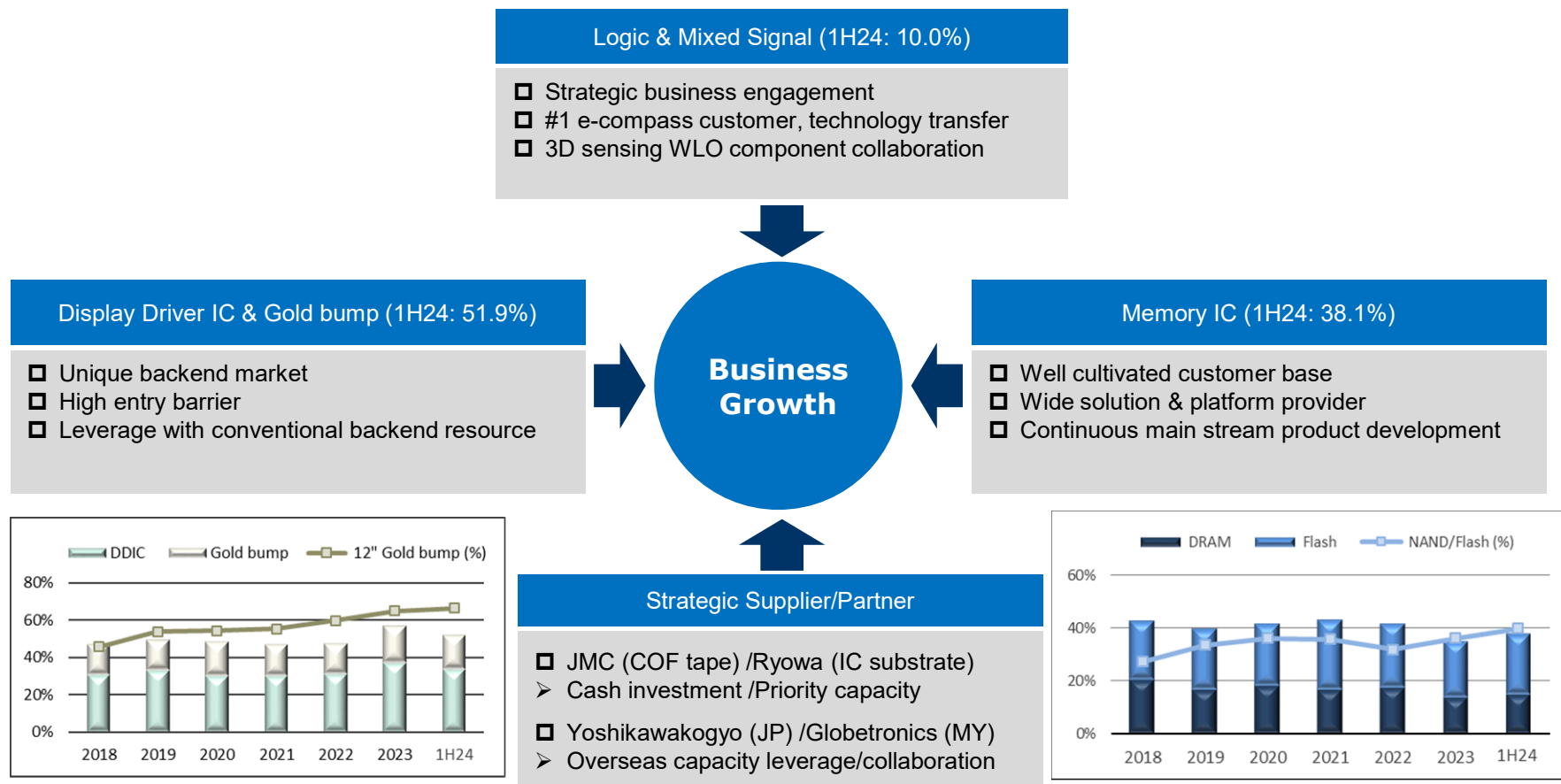
ChipMOS U.S.A., Inc.

Shanghai (Sale office)

ChipMOS Semiconductors (Shanghai) LTD.

# Positioned in Specialized OSAT Markets

- ❑ Providing turnkey solutions for niche OSAT markets
- ❑ Owning specialized teams and resources to support customer in the fields
- ❑ Growing with operation performance and strategic alliance including customers and suppliers

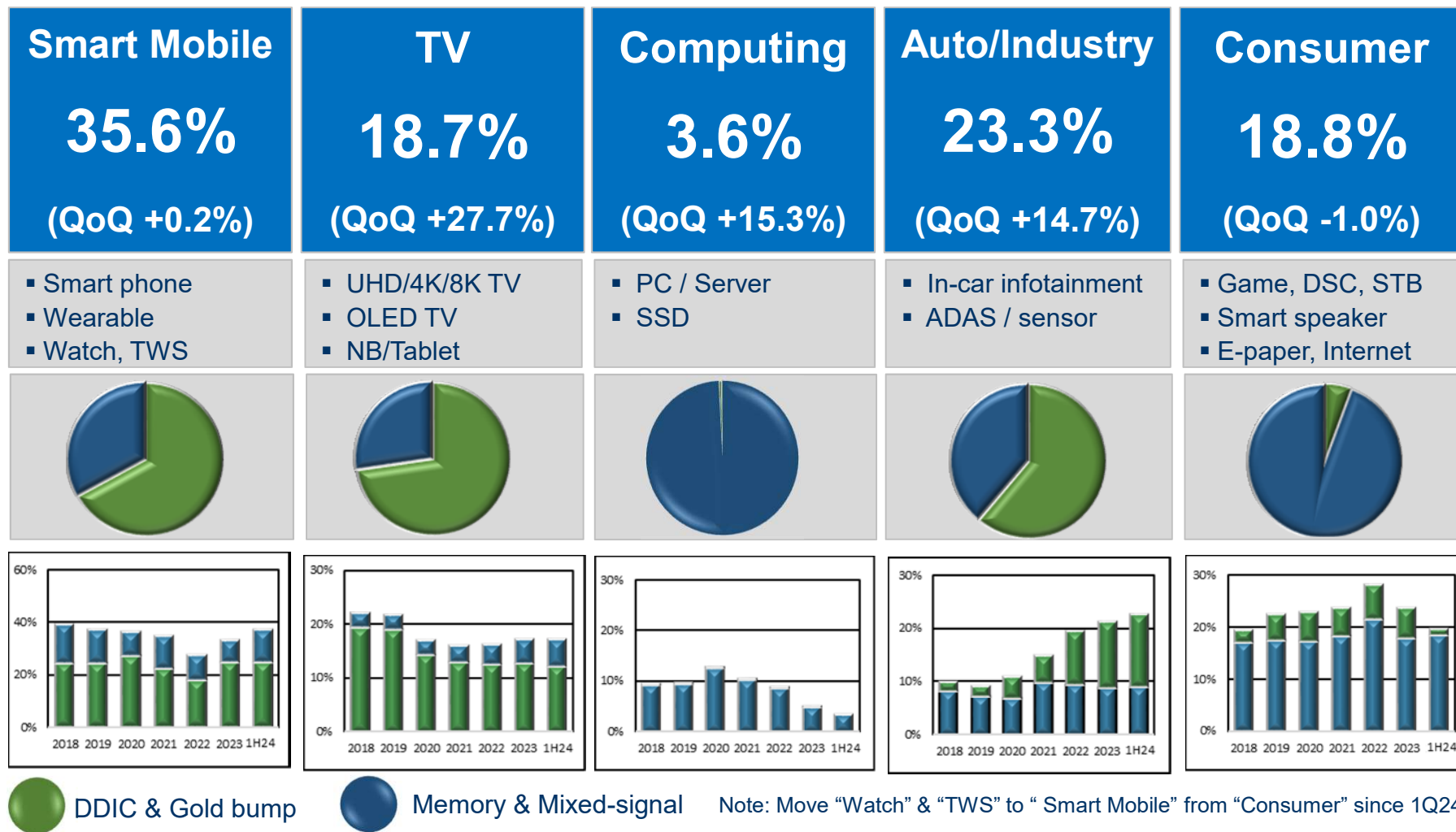


# Business Operation Solutions for Customers



# Diversified Product Application

## Content Performance of 2Q24



# Utilization

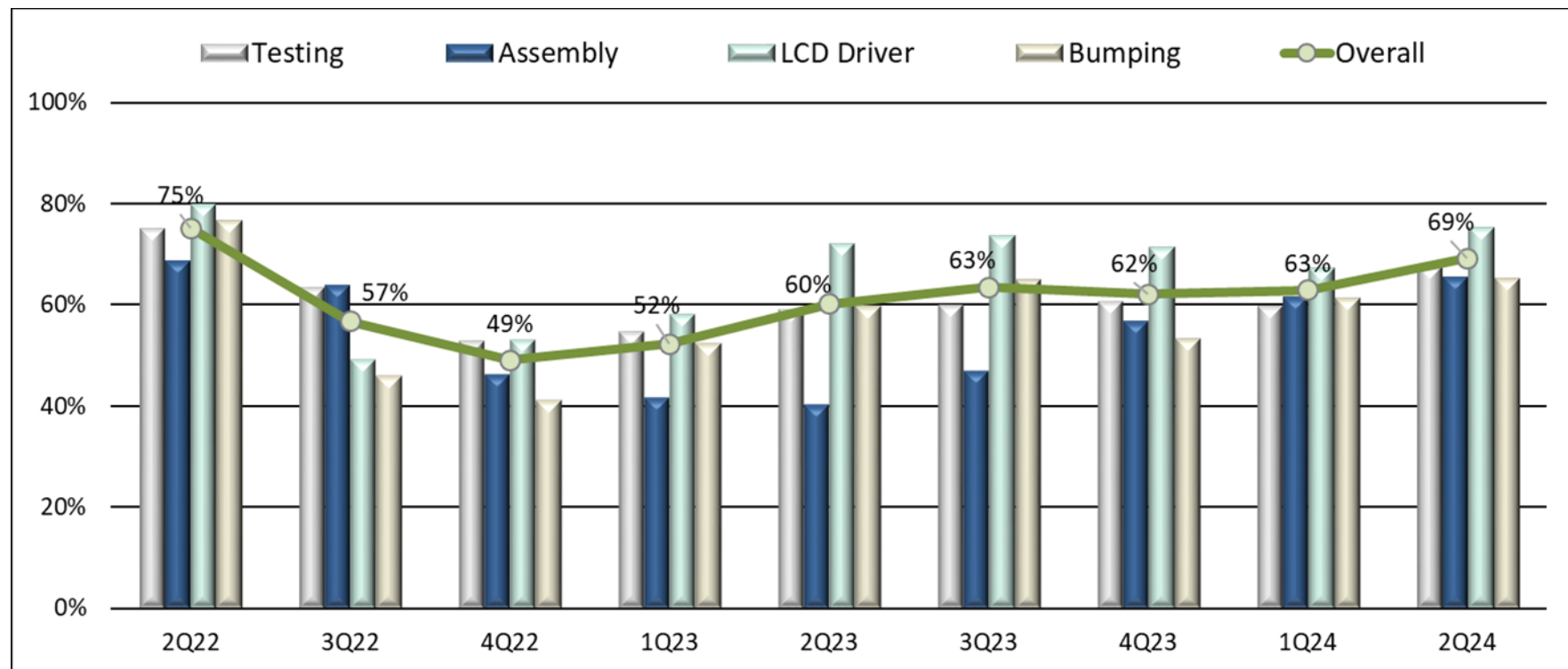
2Q24: 67%  
1Q24: 60%  
2Q23: 59%

2Q24: 65%  
1Q24: 62%  
2Q23: 40%

2Q24: 75%  
1Q24: 67%  
2Q23: 72%

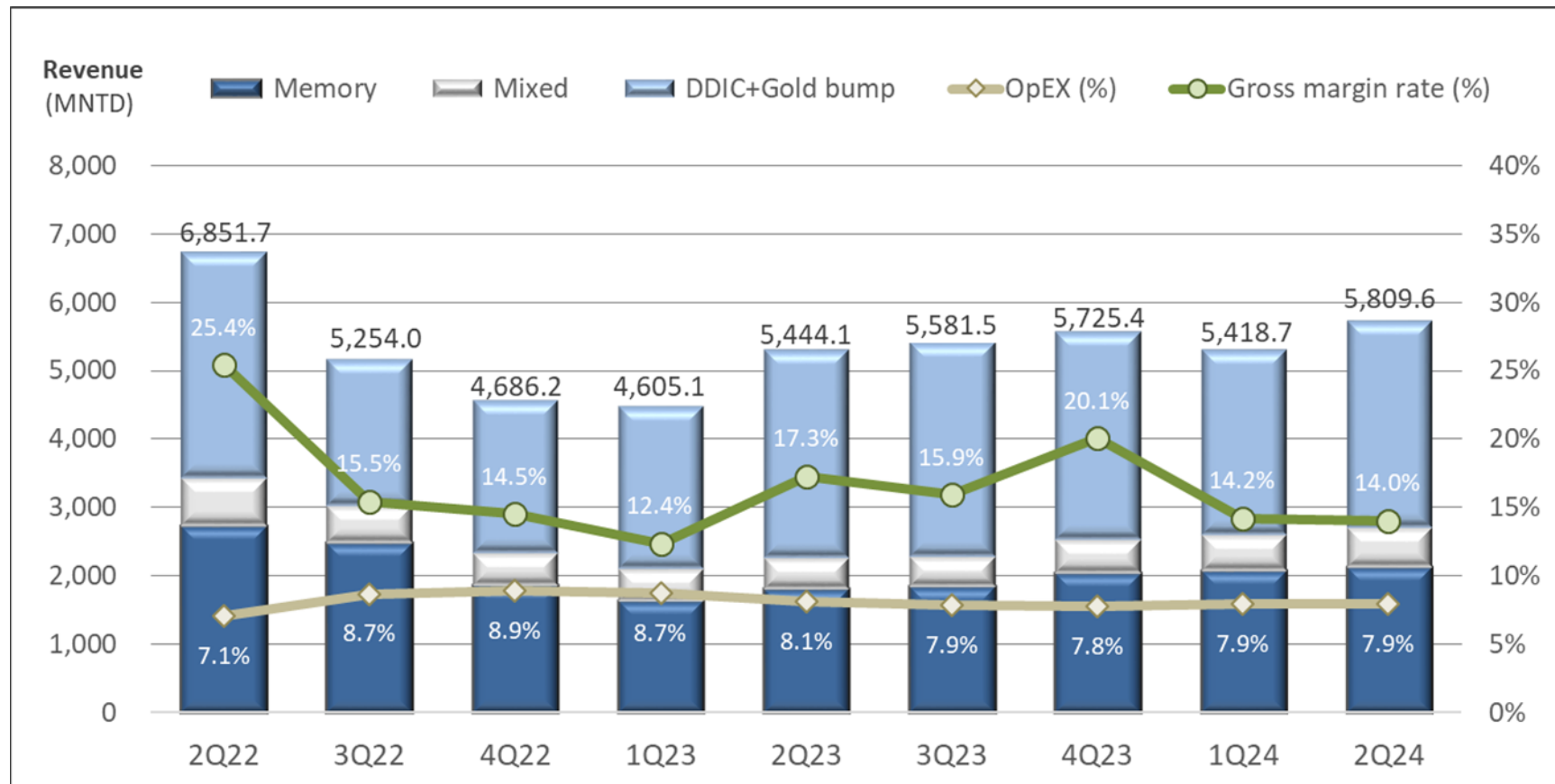
2Q24: 65%  
1Q24: 61%  
2Q23: 60%

2Q24: 69%  
1Q24: 63%  
2Q23: 60%



# Quarterly Revenue & Gross Margin

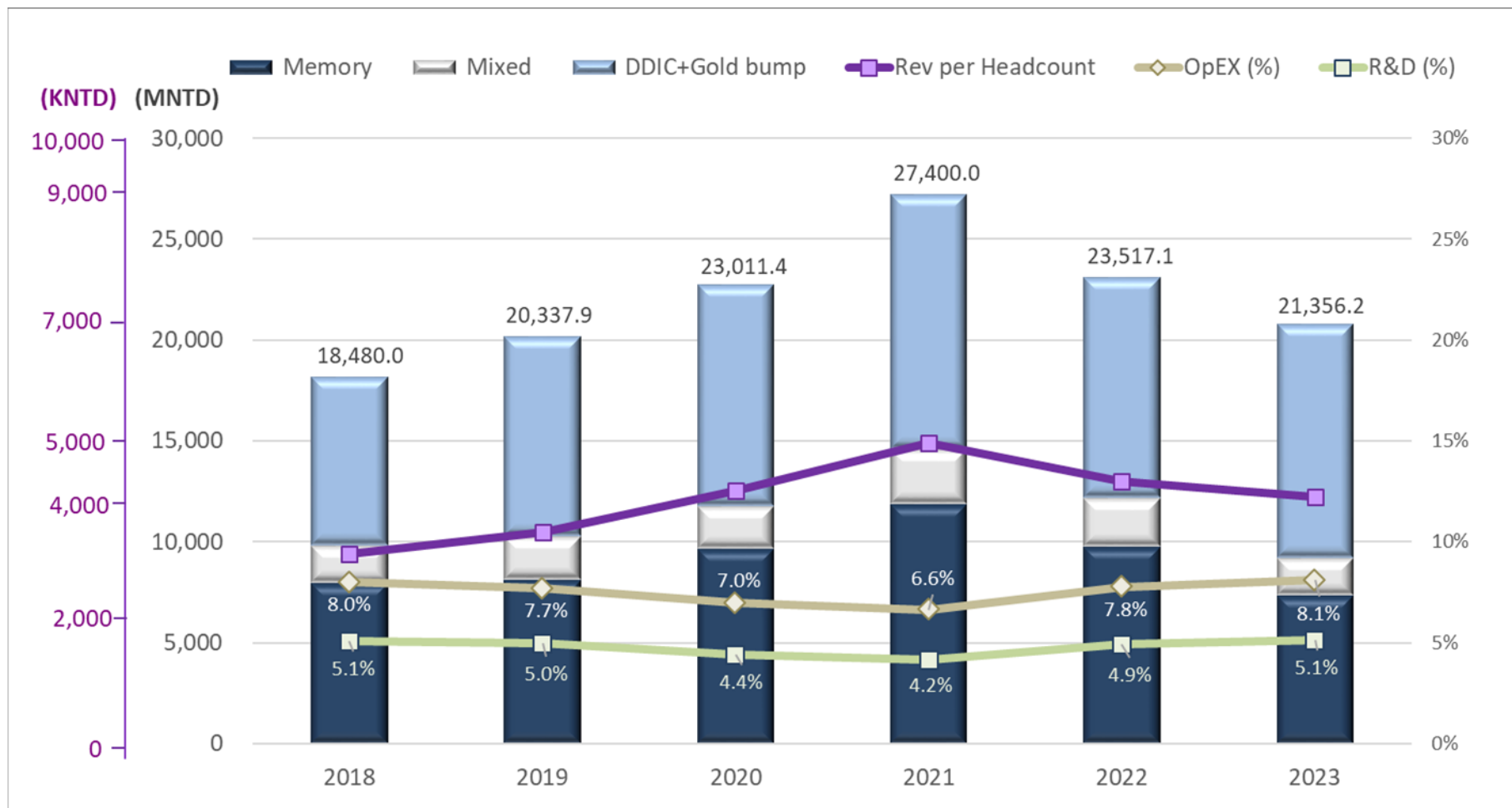
- Revenue: NT\$5,809.6M (QoQ: +7.2%, YoY: +6.7%)
- Gross Margin: 14.0% (QoQ: -0.2ppts, YoY: -3.3ppts)



# Reduce OpEx & Maintain R&D

□ OpEx: Reduce from 9.4% (2016) to 7.9% (2Q24)

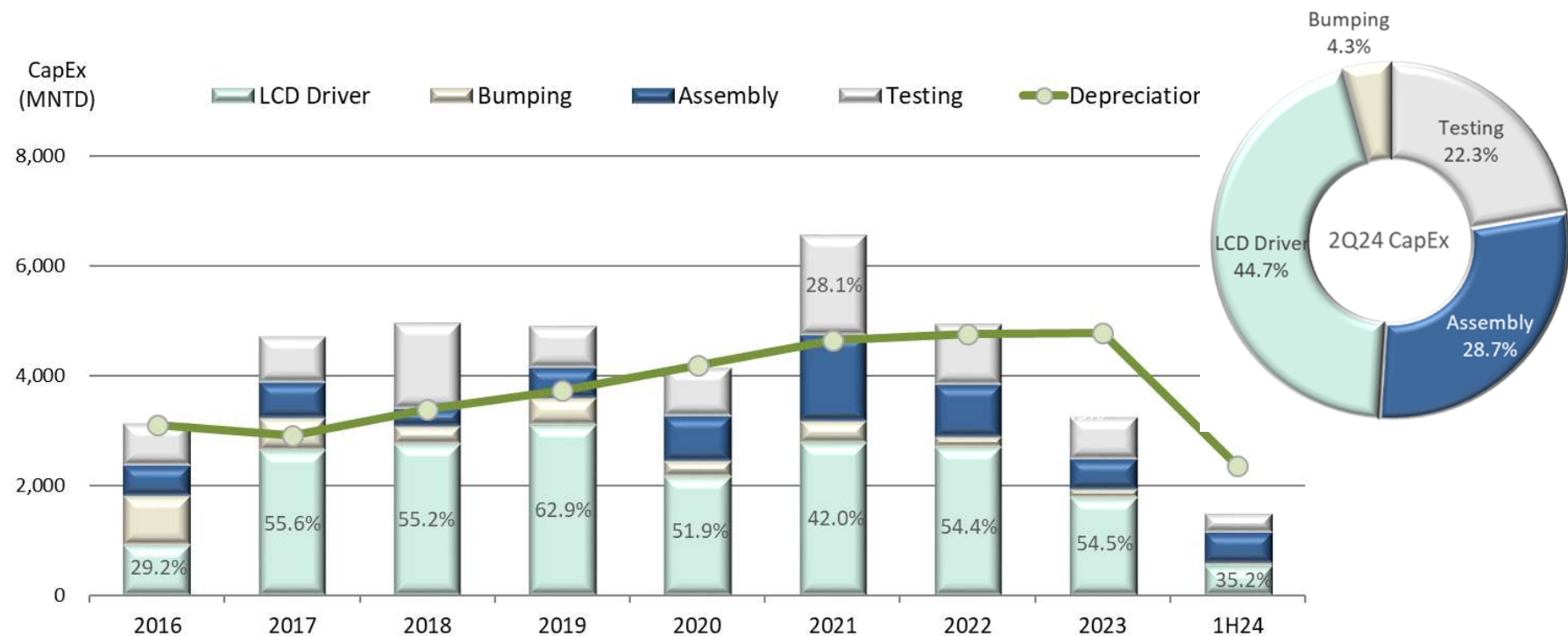
□ R&D: Maintain 4.2~5.1%



# CapEx & Depreciation

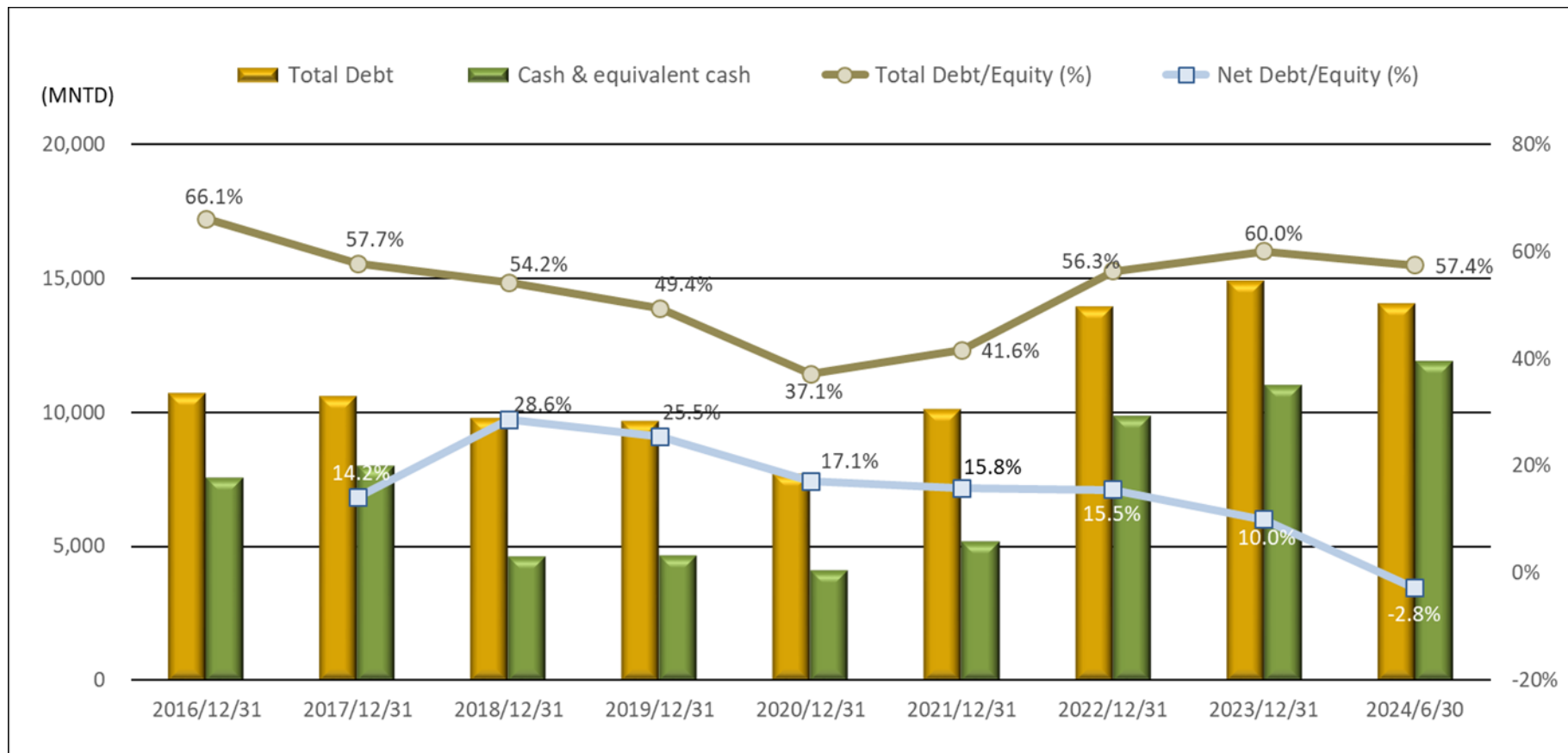
□ CapEx: NT\$858.2M

□ Depreciation: NT\$1,184.4M



# Healthy Debt and Cash Level

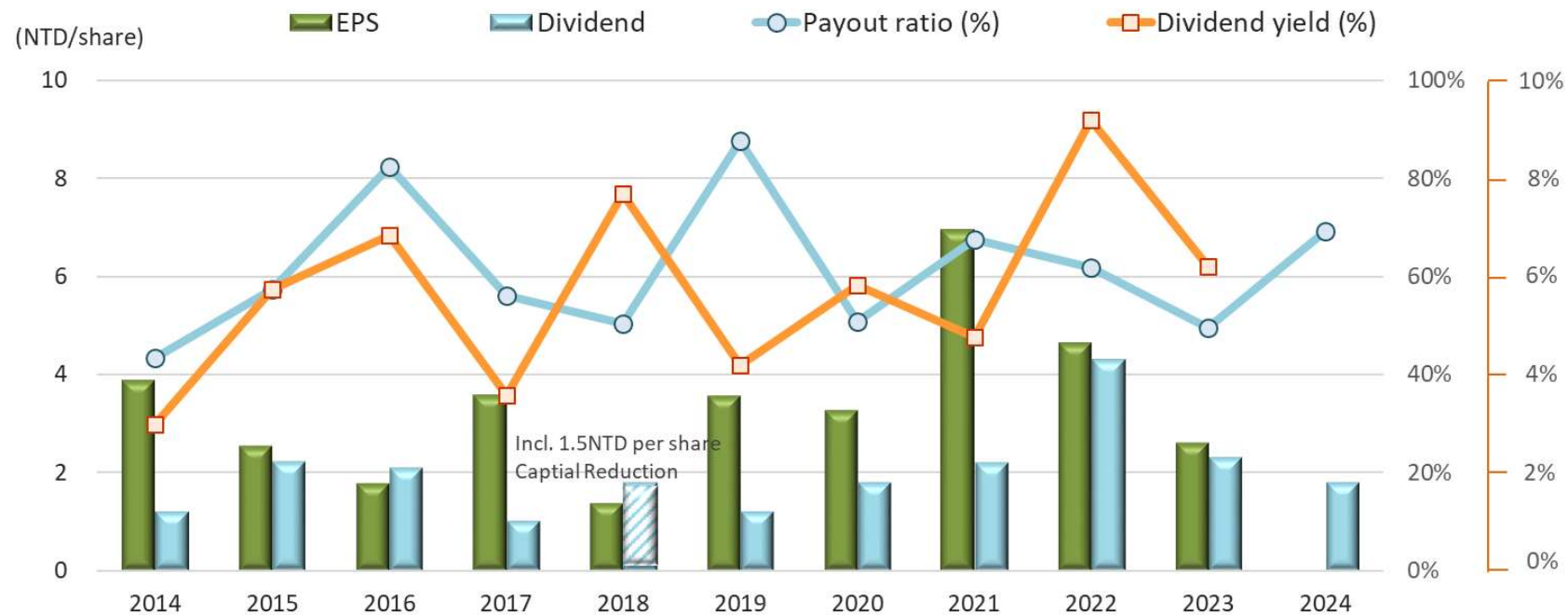
▣ ~27.9BNTD of Cash & equivalent cash and Unused credit lines up to June/30'24



Note: Total debt to Equity = (ST loan + LT loan)/ Equity

## Stable Payout and High Dividend Yield

- EPS: 0.62NTD (2Q24); 1.22NTD (1H24)
- Payout ratio (2014~2024): average: > 60%
  - 2024 dividend: 1.8NTD; payout ratio 69%
- Dividend yield (2014~2023): average: ~5.2%
- ~7.9BNTD of unappropriated retained earnings up to June/30'24

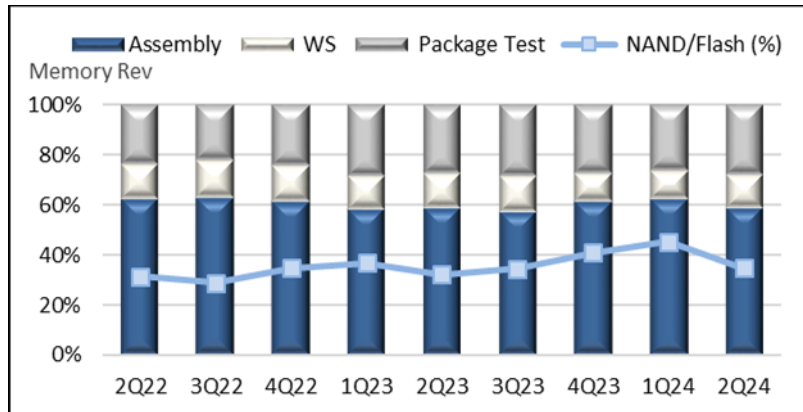
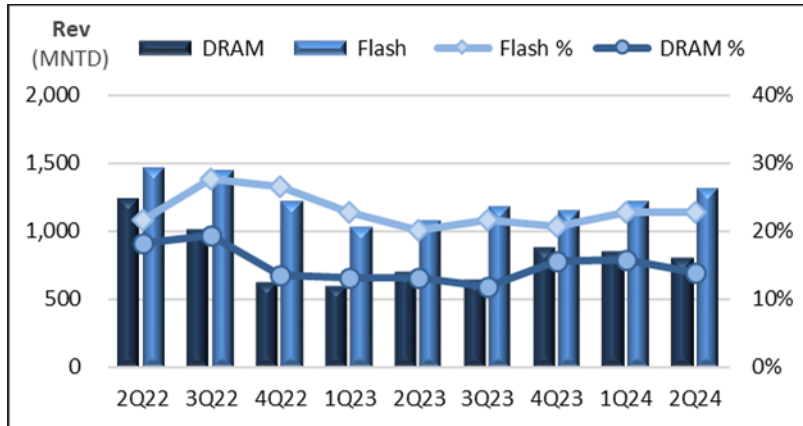


Note: 2019 Payout ratio = 2019 Dividend / 2018 EPS

# Operation Performance

## Memory IC

**2Q24: 37.2%**



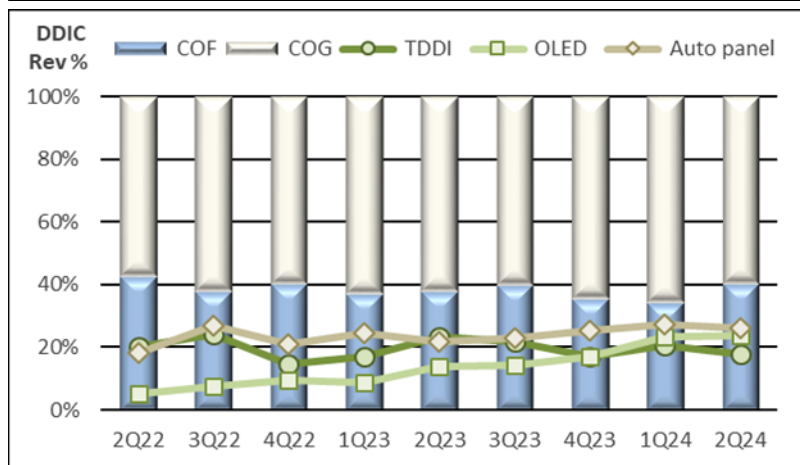
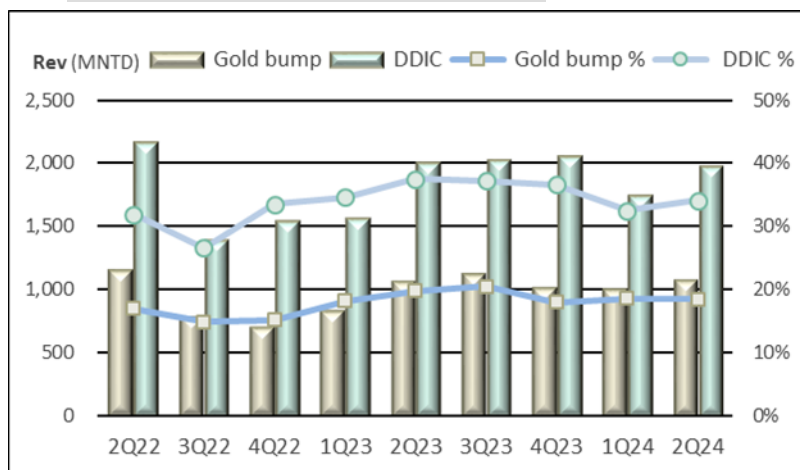
## Key Message

- ❑ QoQ +2.4%, YoY +17.6%
- ❑ Expected to improve in 2024, with a stronger 2H '24 than 1H '24
- ❑ Memory test CapEx additions in 2H'24
- ❑ Niche DRAM and NAND Flash higher momentum growth compared to other Memory products
  - DRAM: 13.9% (QoQ -5.0%)
  - Flash: 22.7% (QoQ +7.3%)
    - ✓ NAND represented about 34.8% of 2Q Flash revenue, (QoQ -17.7%)
    - ✓ NOR QoQ > +30%

# Operation Performance (Cont'd)

## DDIC & Gold bump

**2Q24: 52.6%**

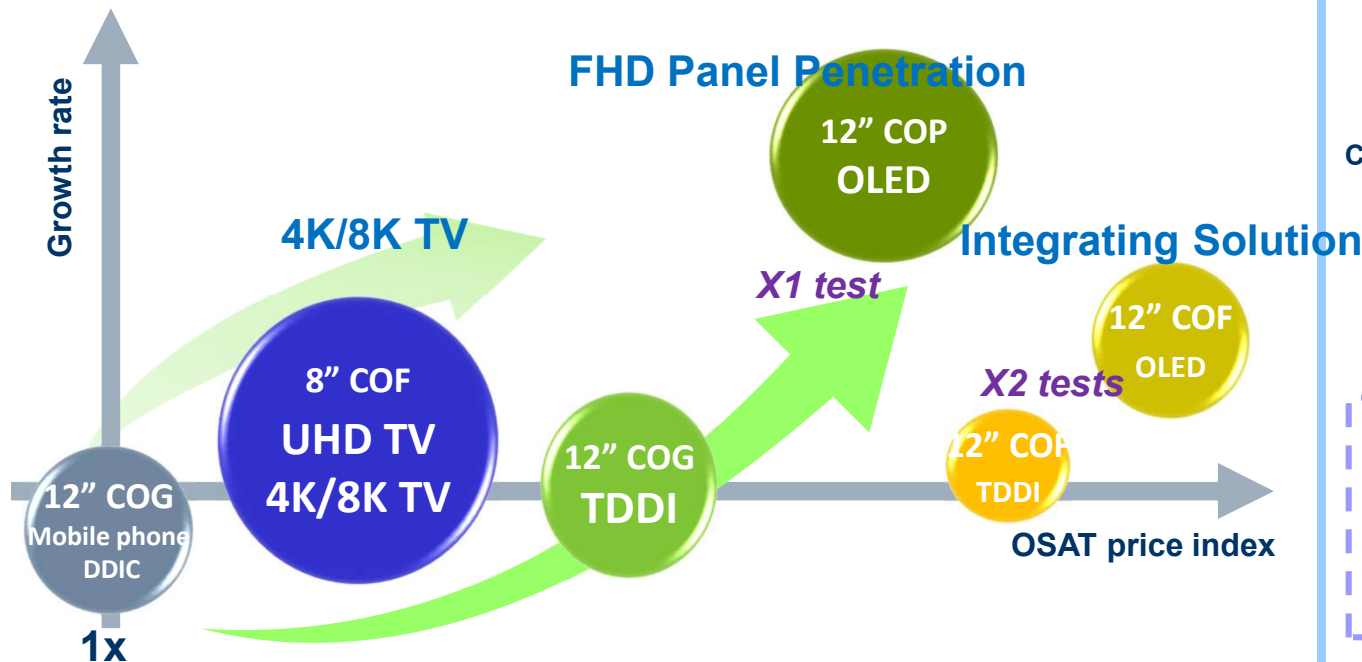


## Key Message

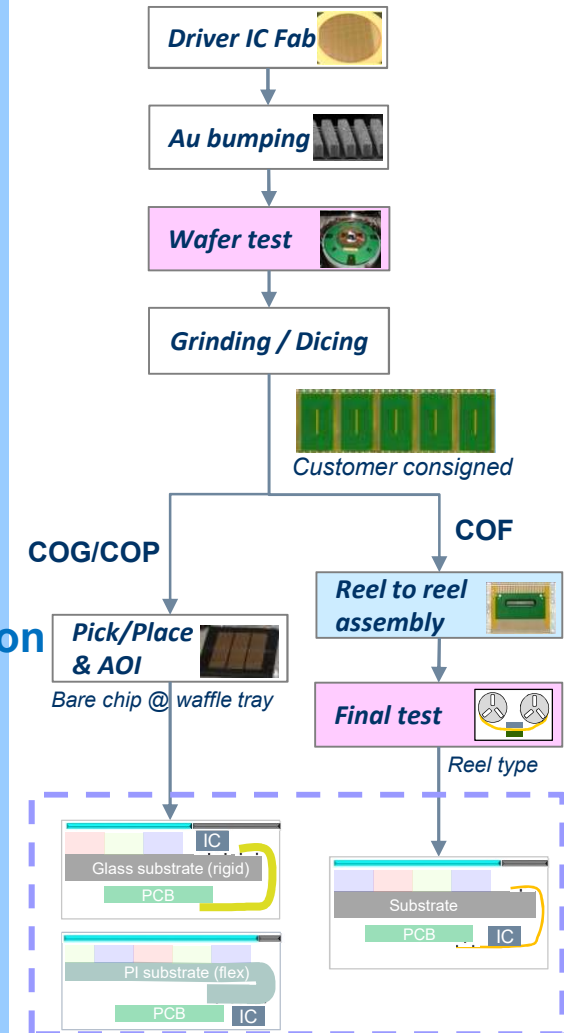
- ❑ QoQ +11.3%, YoY -0.7%
- ❑ Momentum better than Memory
- ❑ Remain high UT level of high-end DDIC tester
- ❑ High-end tester capacity acquisition in 2H'24
- ❑ Customers re-stocking increase COG assembly & test UT level
  - Around 26% DDIC revenue is coming from Automotive application in 2Q (QoQ +8.5%)
  - TDDI: Represented around 17.8% of 2Q DDIC revenue (QoQ -4.3%)
  - OLED: Represented about 23.8% of 2Q DDIC revenue (QoQ +13.6%)

# Leverage DDIC Growth by Higher ASP Product Penetration

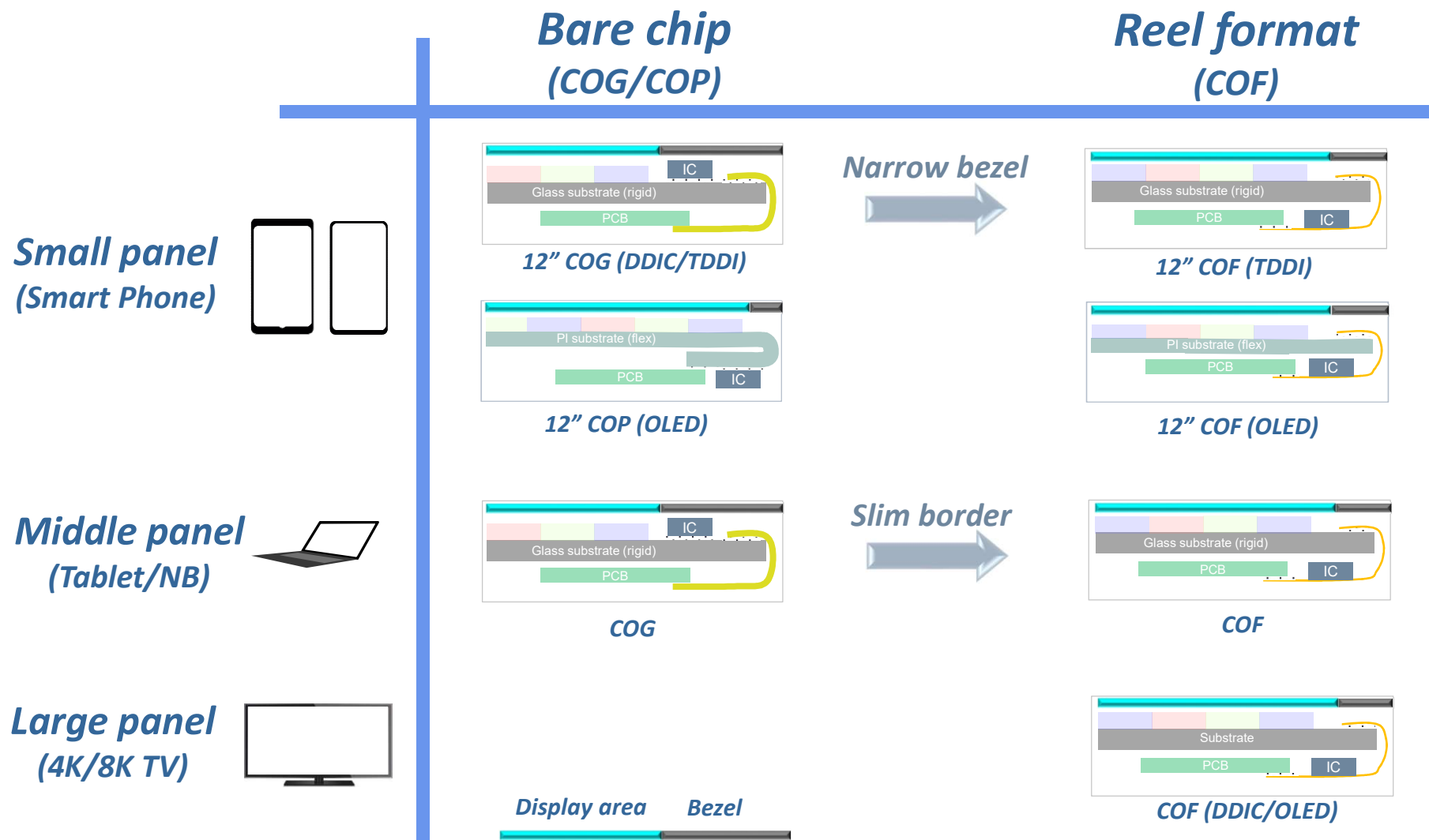
- ❑ Quantity increase
  - TV: 8K TV emerging; more DDIC quantity consumption
- ❑ Longer test time
  - TDDI: ~3x wafer testing time
  - OLED: Longer testing time + high end test platform
  - Automotive panel: + negative temp test procedure
- ❑ COF: X2 test procedure (wafer sort + Final test)  
Integrating more functions solution



## DDIC OSAT Flow

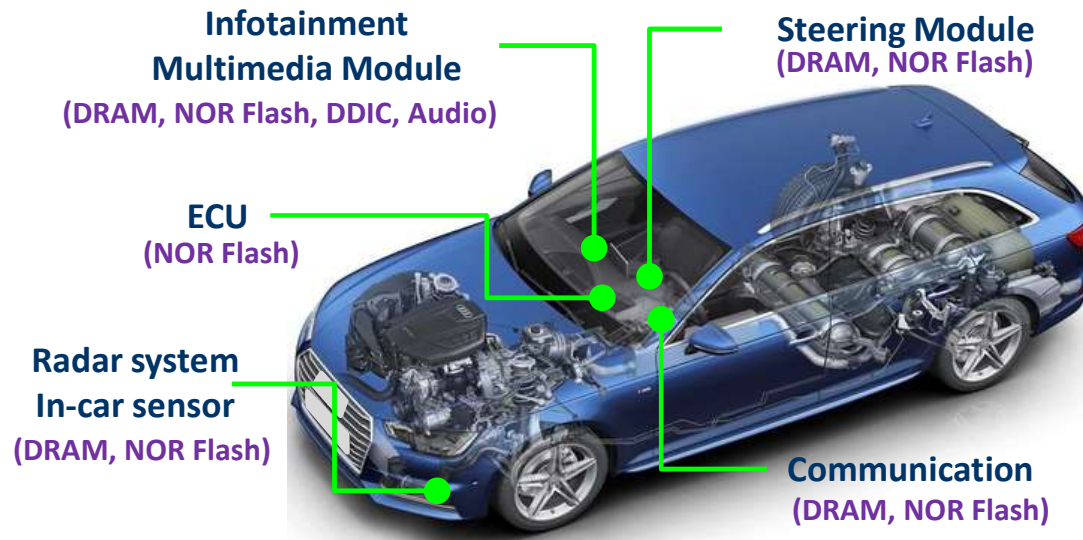


# Display Driver IC vs Panel Comparison



# Recognized Capability in Automotive Application

- ✓ Qualified by **10 of top 15 Tier 1** automotive electronic component suppliers
- ✓ More than **600Mea** Auto panel DDIC since 2019



# ChipMOS ESG Performance

## ■ Environmental 環境面

國家企業環保獎金級獎  
暨 榮譽環保企業獎座

Gold grade of National Enterprise  
Environmental Protection Award  
& Honorary Environmental  
Protection Enterprise Award

- ✓ **Renewable energy**  
(Solar energy generation)

**23,371**戶家庭每月用電量  
112年再生能源(太陽能)累計發電數

- ✓ **Water resource recycle**  
(Process recycling water)

**5,019**座國際標準泳池  
16年來製程回收水成果

- ✓ **CDP**

**Climate Change: A<sup>-</sup>**

## ■ Social 社會面

人才發展品質管理系統  
銀牌(TTQS)

Silver grade of Talent Quality-  
Management System (TTQS)

- ✓ **Excellent Gender Equality  
in Employment**

推動職場工作平權優等  
108/110年榮獲竹科/南科園區管理局肯定

- ✓ **100% 遵循RBA人權規範**  
100% follow RBA

- ✓ **社區參與 Social Engagement**  
**22,352**人次 2023年投入志工  
22,352 attendees for Volunteer Works

## ■ Governance 治理面

**111年國家永續發展獎**  
2022 National Sustainable  
Development Awards

第八、九屆公司治理評鑑 上市  
公司前5%

Ranked top 5% of TWSE-listed  
companies for two consecutive years

- ✓ **Board of Directors**  
**Independent Director 56%**  
**Female Director 3 seats (33%)**  
獨立董事過半；女性董事3席

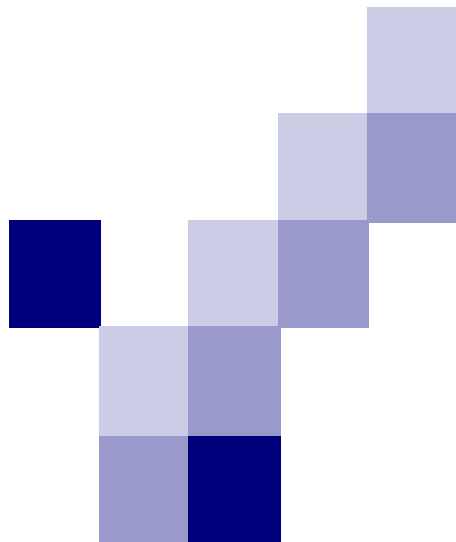
- ✓ **Sustainable Value Creation**  
**5年** 連續5年榮獲TCSA台灣永續獎

Awarded TCSA Corporate Sustainability  
for 5 consecutive years

Please visit ChipMOS web site to get more ESG results information, <https://www.chipmos.com/english/csr/report.aspx>

# Sustainability (SDGs ) Approach

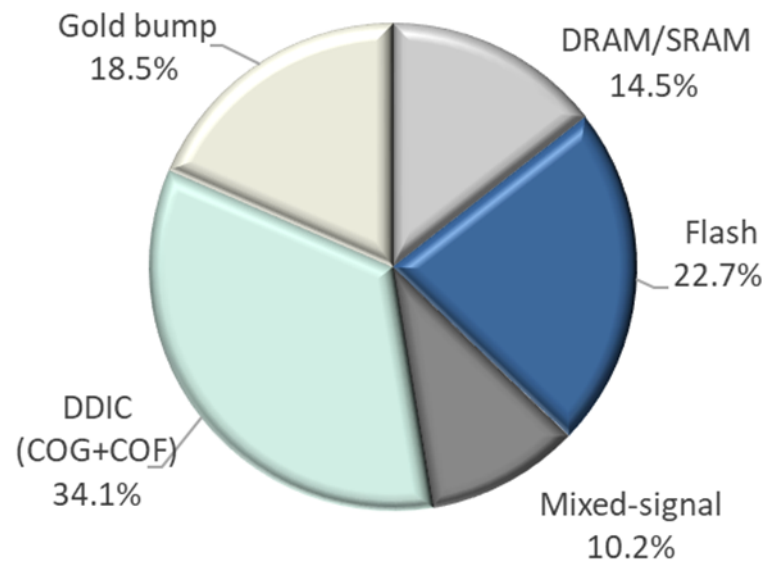




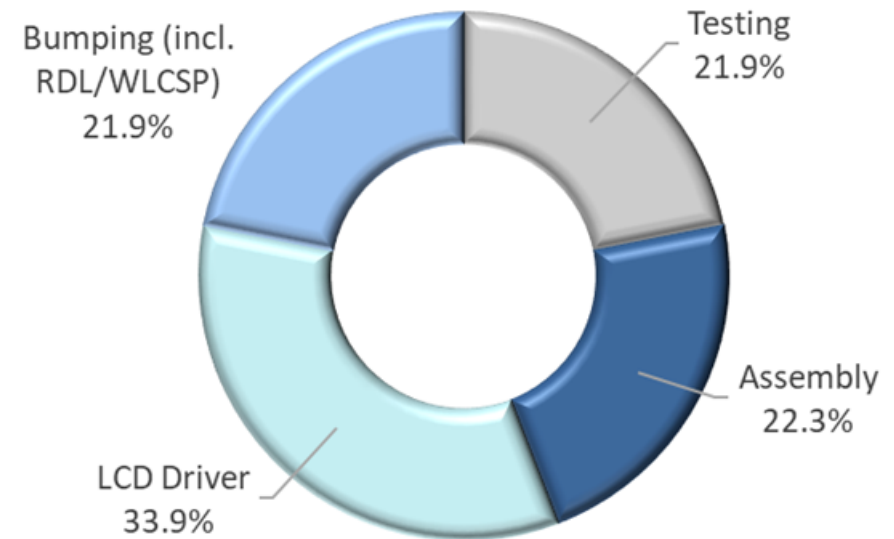
## 2Q24 Financial Results

## 2Q24 Revenue Breakdown

### Product



### Manufacturing Site



# Consolidated Operating Results Summary

(NT\$ Millions)	2Q24	1Q24	2Q23
Revenue	5,809.6	5,418.7	5,444.1
Profit Attributable to the Company	450.6	437.8	628.5
EPS Attributable to the Company - Basic (NT\$)	0.62	0.60	0.86
Earnings per ADS equivalent - Basic (US\$) <sup>(1)</sup>	0.38	0.37	0.53
Depreciation & Amortization	1,184.4	1,181.1	1,210.1
CapEx	858.2	632.5	691.6
EBITDA <sup>(2)</sup>	1,558.3	1,544.1	1,731.5
Return on Equity (%) <sup>(3)</sup>	7.2%	7.0%	10.3%

Notes:

(1) The exchange rate was NT\$32.45 against to US\$1.00

(2) EBITDA = Operating Profit + Depreciation & Amortization

(3) Annualized return on equity to the Company for the quarter

# Consolidated Statements of Comprehensive Income

## Selected Items from Consolidated Statements of Comprehensive Income

(NT\$ Millions)	2Q24	1Q24	QoQ	2Q23	YoY
Revenue	5,809.6	5,418.7	7.2%	5,444.1	6.7%
Gross Profit	815.3	770.5	5.8%	940.6	-13.3%
Gross Margin	14.0%	14.2%	-0.2ppts	17.3%	-3.3ppts
Operating Expenses	(460.1)	(429.6)	7.1%	(442.0)	4.1%
Operating Profit	373.9	363.0	3.0%	521.4	-28.3%
Operating Profit Margin	6.4%	6.7%	-0.3ppts	9.6%	-3.2ppts
Non-operating Income (Expenses) <sup>(1)</sup>	127.6	156.3	-18.4%	222.4	-42.6%
Profit Attributable to the Company	450.6	437.8	2.9%	628.5	-28.3%
EPS Attributable to the Company - Basic (NT\$)	0.62	0.60	3.3%	0.86	-27.9%
Weighted Average Shares Outstanding (in thousands) - Basic	727,240	727,240	0.0%	727,240	0.0%
EPS Attributable to the Company - Diluted (NT\$)	0.62	0.60	3.3%	0.86	-27.9%
Weighted Average Shares Outstanding (in thousands) - Diluted	728,620	731,708	-0.4%	729,531	-0.1%

Note (1) :

QoQ: Difference mainly due to the decrease of the foreign exchange gains of NT\$128M and partially offset by the increase of gain on disposal of non-current assets held for sale of NT\$72M and interest income of NT\$17M.

YoY: Difference mainly due to the decrease of the foreign exchange gains of NT\$124M and share of profit of associates accounted for using equity method of NT\$47M and partially offset by the increase of gain on disposal of non-current assets held for sale of NT\$72M.

## Consolidated Statements of Financial Position & Key Indices

Selected Items from Consolidated Statements of Financial Position

(NT\$ Millions)	2Q24		1Q24		2Q23	
	Amount	%	Amount	%	Amount	%
Current Assets	25,110.3	55.3%	24,937.4	54.7%	20,530.2	44.8%
Non-current Assets	20,324.9	44.7%	20,625.4	45.3%	25,306.2	55.2%
Total Assets	45,435.2	100.0%	45,562.8	100.0%	45,836.4	100.0%
Current Liabilities	8,538.8	18.8%	7,033.4	15.4%	7,816.5	17.0%
Non-current Liabilities	12,380.2	27.2%	13,246.5	29.1%	14,193.4	31.0%
Total Liabilities	20,919.0	46.0%	20,279.9	44.5%	22,009.9	48.0%
Total Equity	24,516.2	54.0%	25,282.9	55.5%	23,826.5	52.0%
Total Liabilities and Equity	45,435.2	100.0%	45,562.8	100.0%	45,836.4	100.0%
Key Indices						
A/R Turnover Days	85		88		76	
Inventory Turnover Days	49		51		58	

# Consolidated Statements of Cash Flows

(NT\$ Millions)	1H24	1H23
Cash and Cash Equivalents at Beginning of Period	12,354.0	9,896.6
Net Cash Generated from (used in) Operating Activities	2,324.1	3,286.5
Net Cash Generated from (used in) Investing Activities	973.1	(1,487.9)
Net Cash Generated from (used in) Financing Activities	(1,011.8)	594.6
Effect of Exchange Rate Change on Cash	12.5	3.3
Cash and Cash Equivalents at End of Period	14,651.9	12,293.1
Free Cash Flow <sup>(1)(2)</sup>	1,433.4	1,950.0

Notes :

(1) Free cash flow was calculated by adding depreciation, amortization, interest income together with operating profit and then subtracting CapEx, interest expense, income tax expense and dividend from the sum.

(2) Difference mainly due to the increase of CapEx of NT\$486M and the decrease of depreciation expenses of NT\$42M.

## Company Website

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**[www.chipmos.com](http://www.chipmos.com)**