

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

August 2023

Safe Harbor Notice

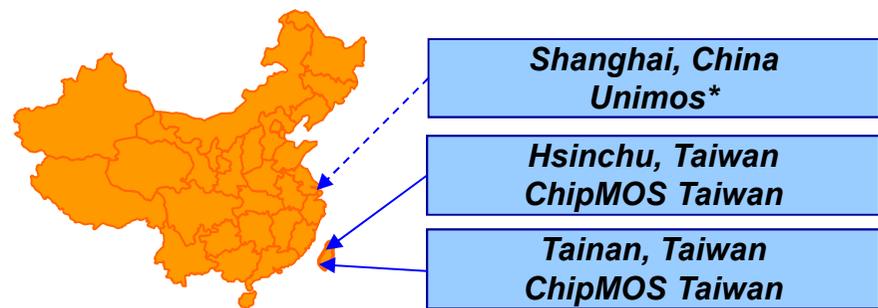
- ❖ This presentation contains certain forward-looking statements. These forward-looking statements may be identified by words such as ‘believes,’ ‘expects,’ ‘anticipates,’ ‘projects,’ ‘intends,’ ‘should,’ ‘seeks,’ ‘estimates,’ ‘future’ or similar expressions or by discussion of, among other things, 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.

Group Snapshot

Overview

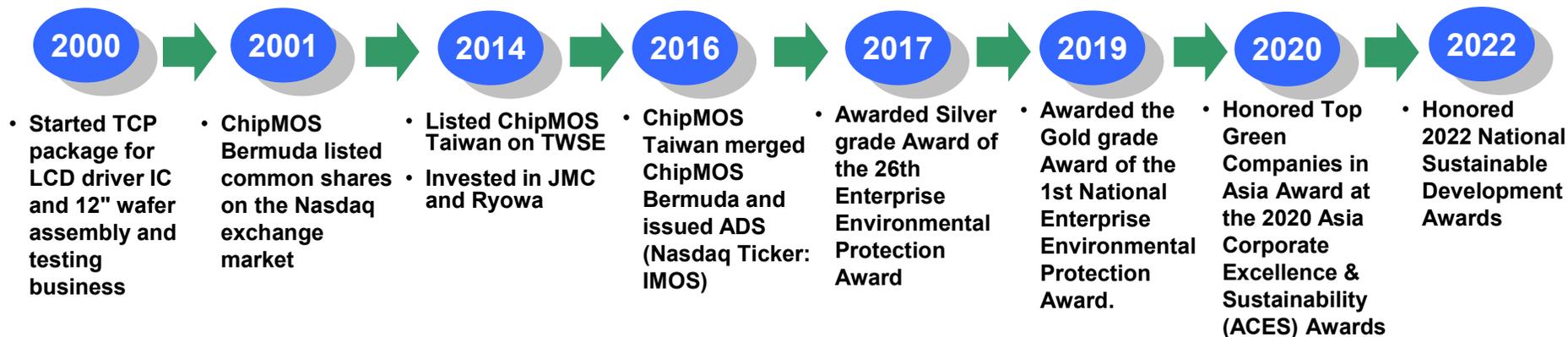
- ❑ **Founded :** 1997
- ❑ **Headquarters :** Hsinchu, Taiwan
- ❑ **Ticker Symbol :** TWSE : 8150.TW
NASDAQ : IMOS (ADS)
- ❑ **Market Cap.¹:** 26,544.3MNTD
(852.4MUSD²)
- ❑ **Employee¹:** 5,183

Footprint



* Unimos becomes a long-term investment of ChipMOS, and ChipMOS recognized profit/loss pro rata

Key milestones



(1) As of June 30, 2023
 (2) The exchange rate was NT\$31.14 against to US\$1.00

ChipMOS Footprints

Headquarter

Hsinchu Science Park, Hsinchu City



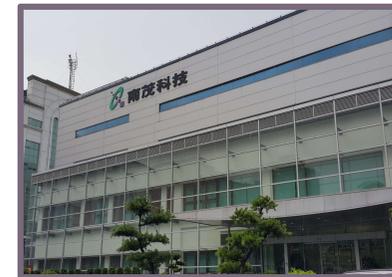
Hukou, Hsinchu County



Chupei II, Hsinchu County



Chupei I, Hsinchu County



Southern Science Park, Tainan City

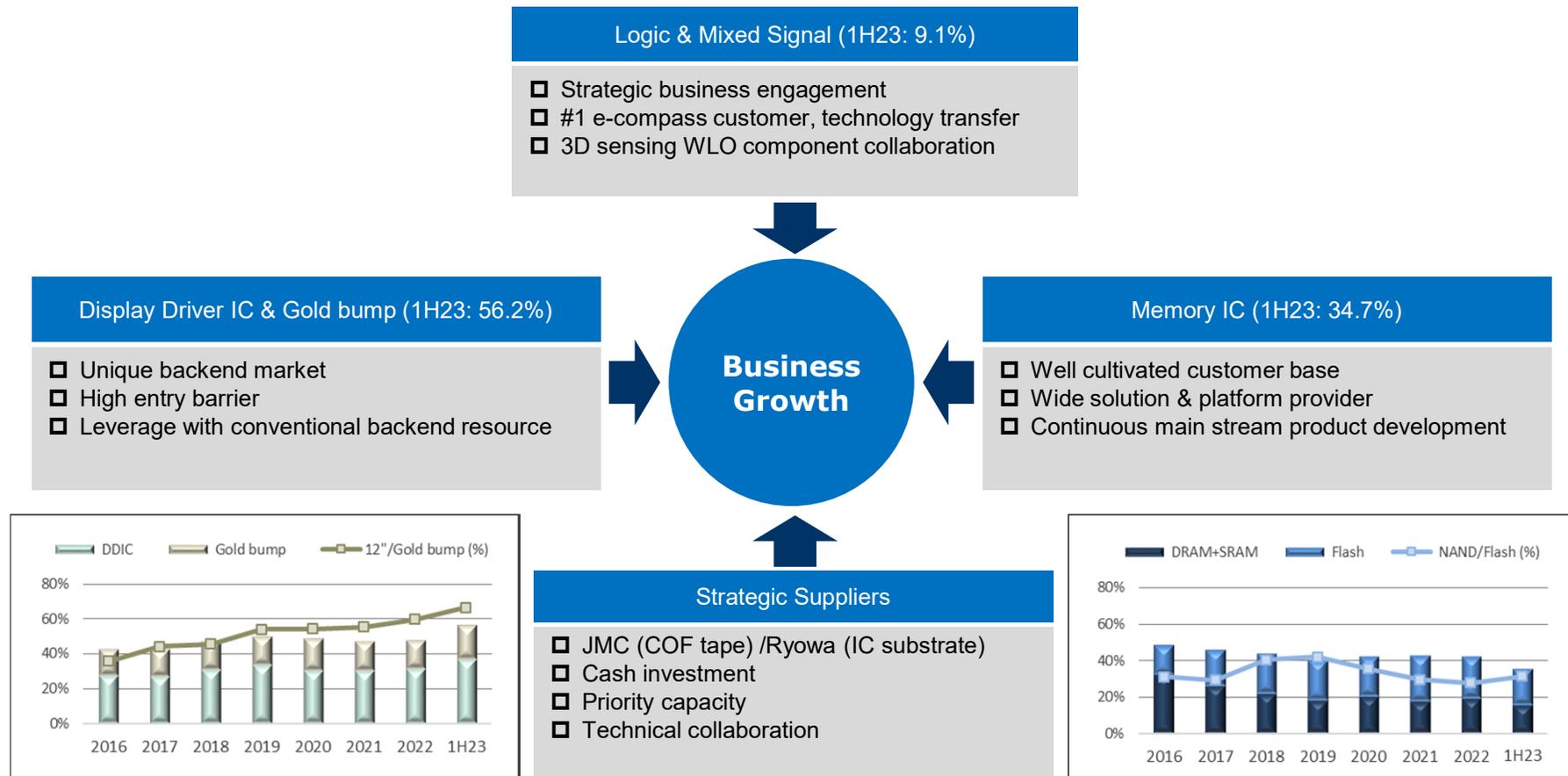


San Jose (Sale office)
ChipMOS U.S.A., Inc.

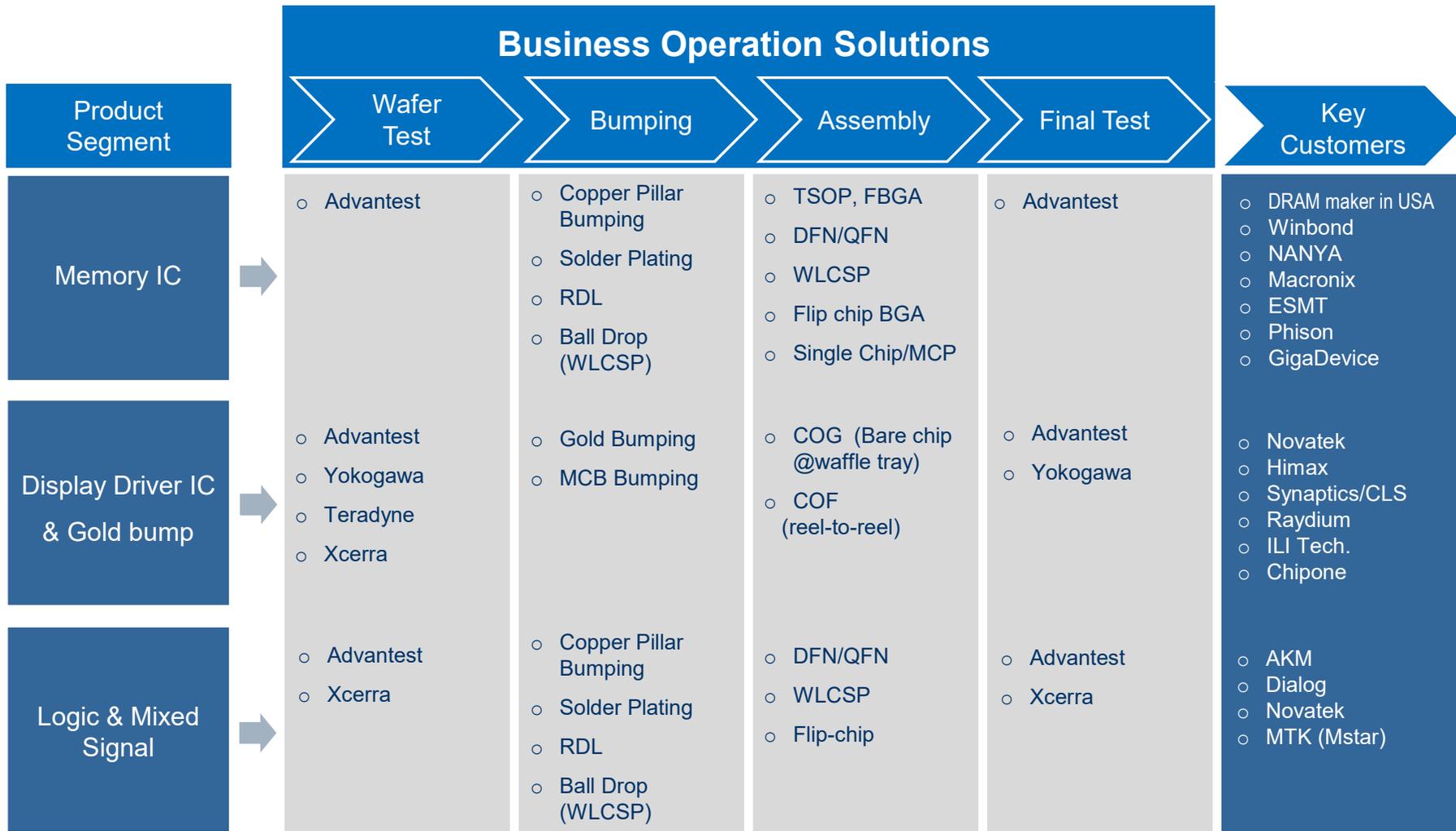
Shanghai (Sale office)
ChipMOS Semiconductors (Shanghai) LTD.

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

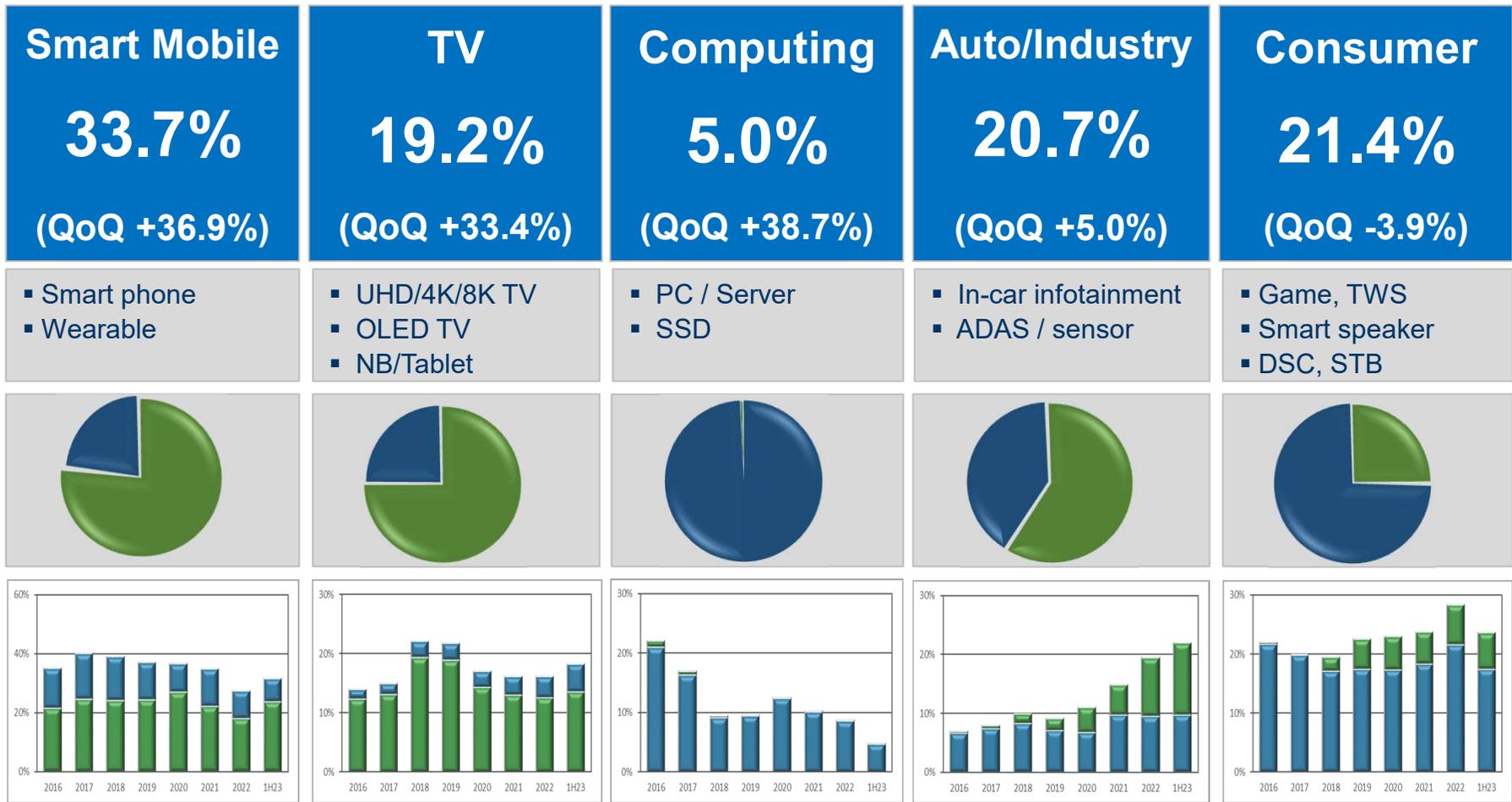


Business Operation Solutions for Customers



Diversified Product Application

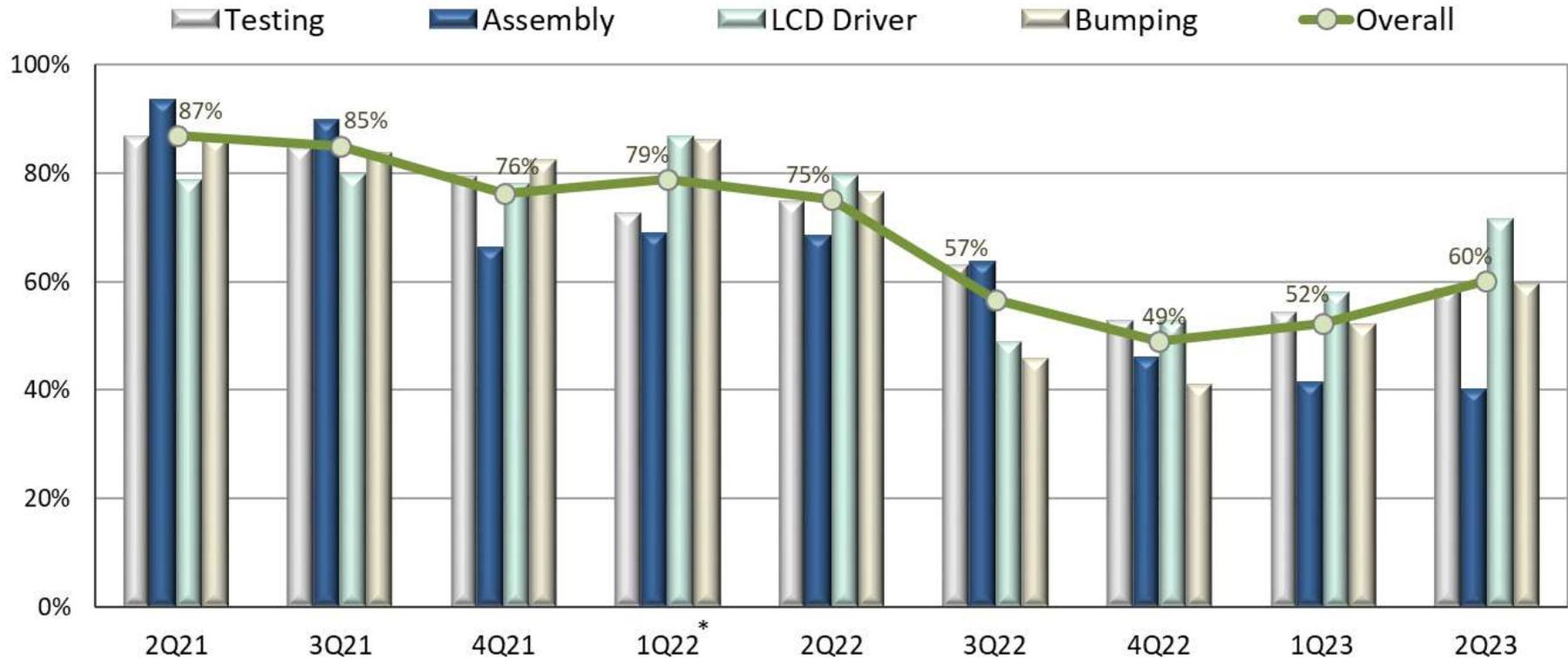
Content Performance of 2Q23



DDIC & Gold bump
 Memory & Mixed-signal

Utilization

2Q23: 59% 1Q23: 55% 2Q22: 75%	2Q23: 40% 1Q23: 42% 2Q22: 69%	2Q23: 72% 1Q23: 58% 2Q22: 80%	2Q23: 60% 1Q23: 52% 2Q22: 77%	2Q23: 60% 1Q23: 52% 2Q22: 75%
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Note: To effectively reflect changes in product characteristic and mix, the utilization calculation target of manufacturing site, which output calculated by wafer quantity, was changed to run time from wafer quantity since 1Q22.

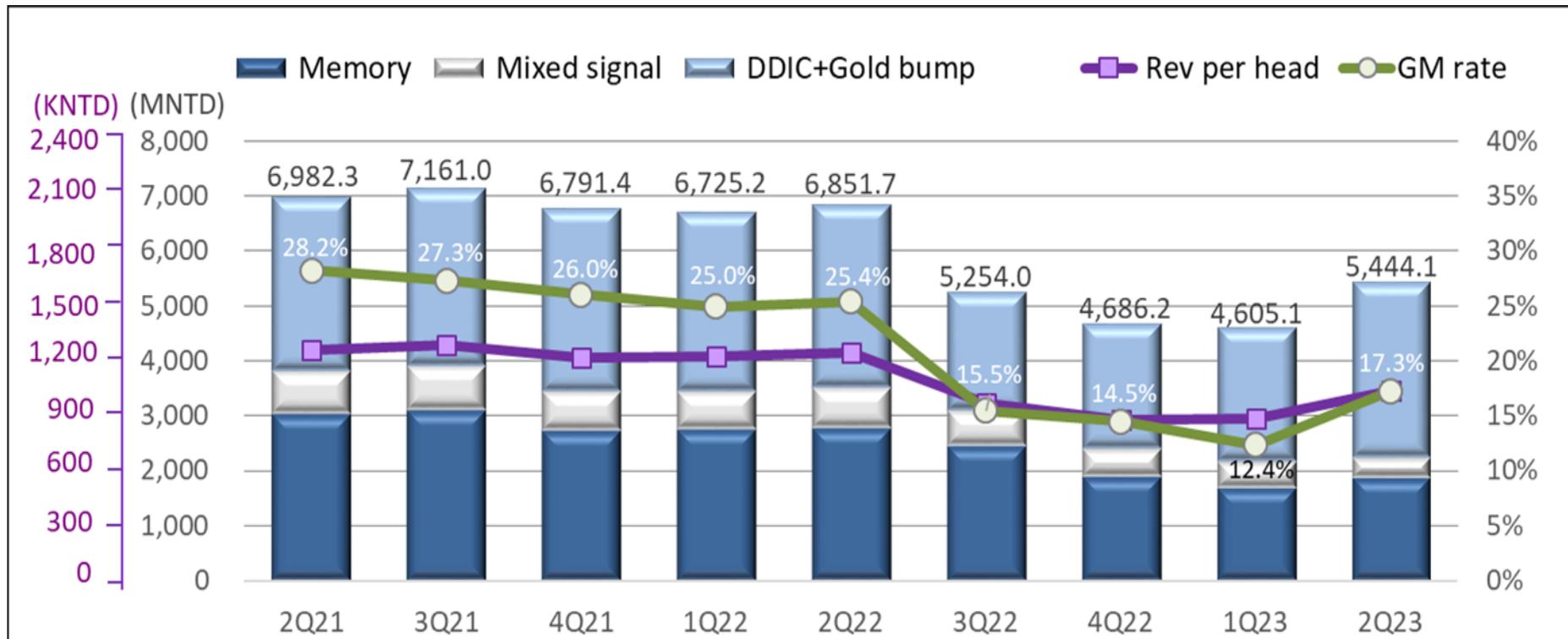
Quarterly Revenue & Gross Margin

Revenue:

■ 2Q23: 5,444.1MNTD (QoQ +18.2%, YoY -20.5%)

Gross Margin:

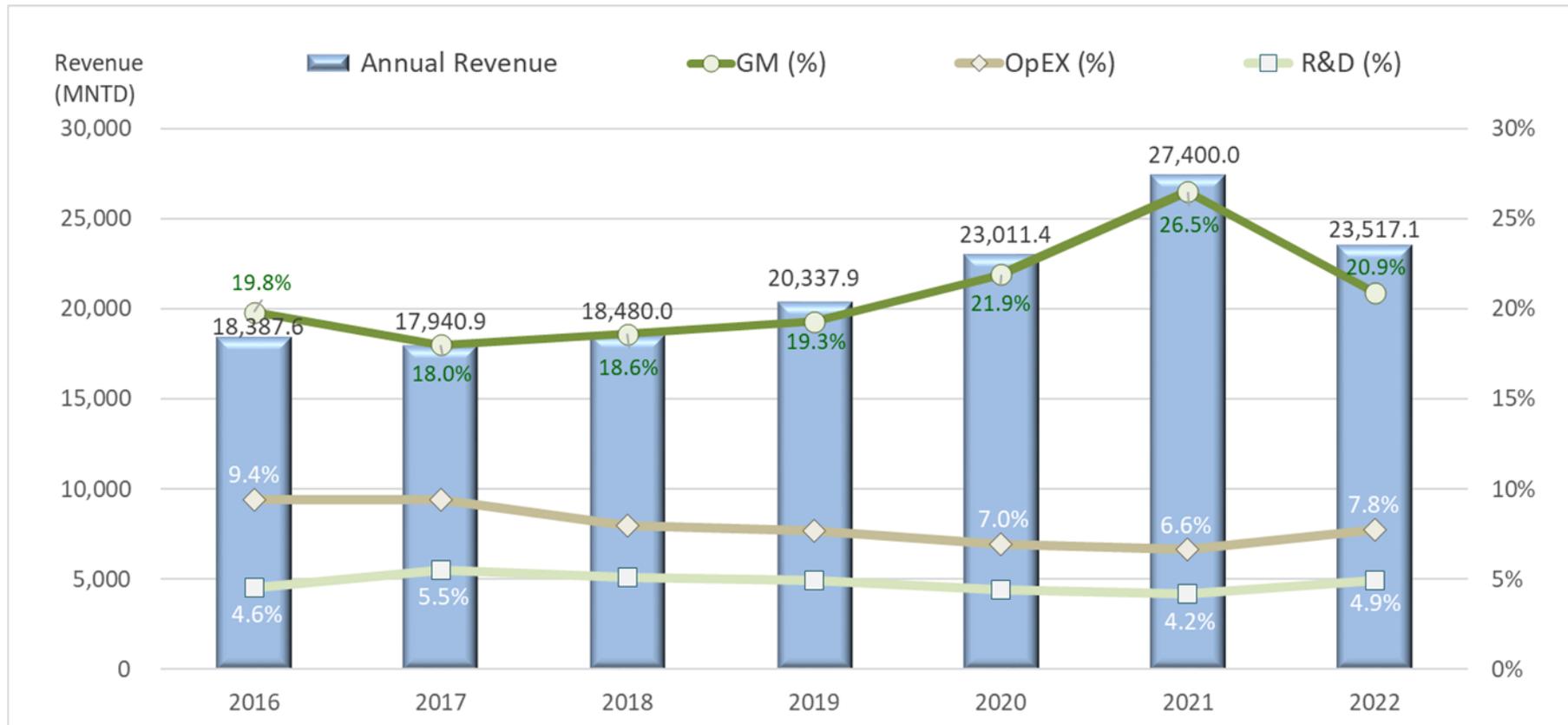
■ 2Q23: 17.3% (QoQ +4.9ppts, YoY -8.1ppts)



Reduce OpEx & Maintain R&D

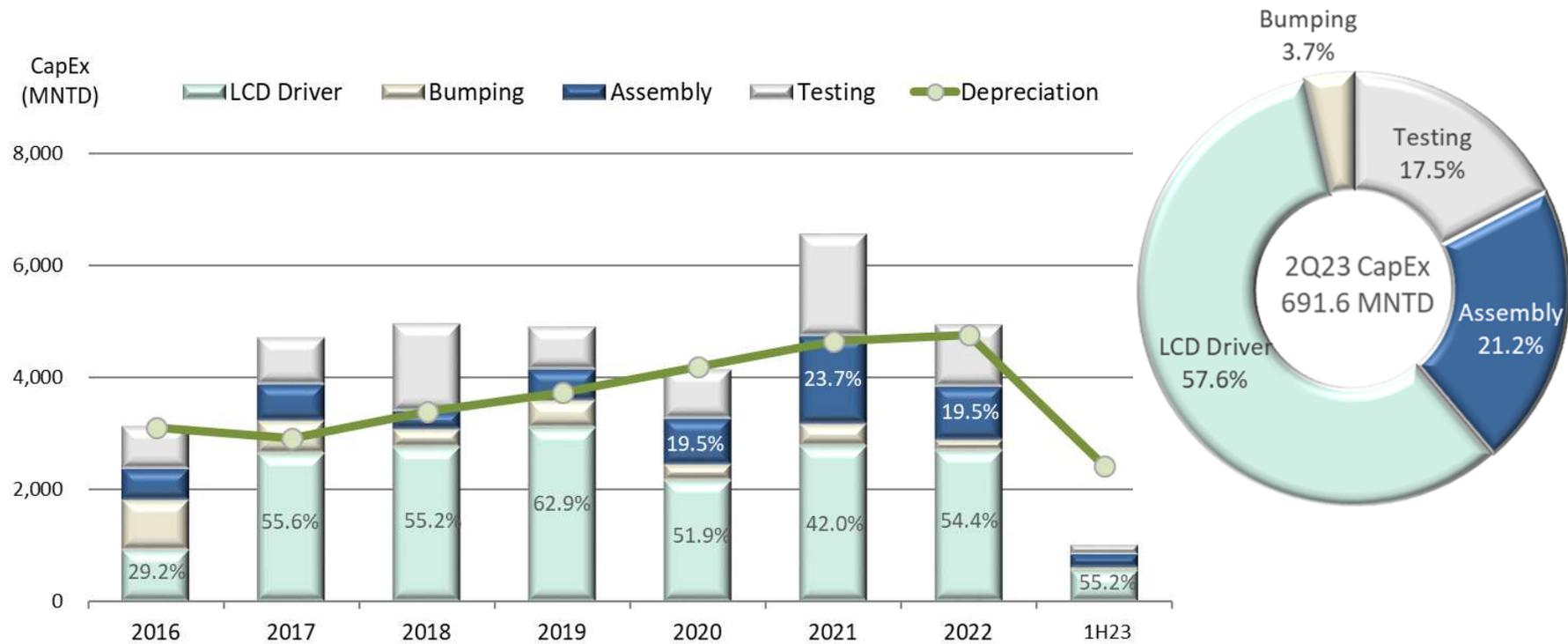
OpEx: Reduce from 9.4% (2016) to 8.1% (2Q23)

R&D: Maintain 4.2~5.5%



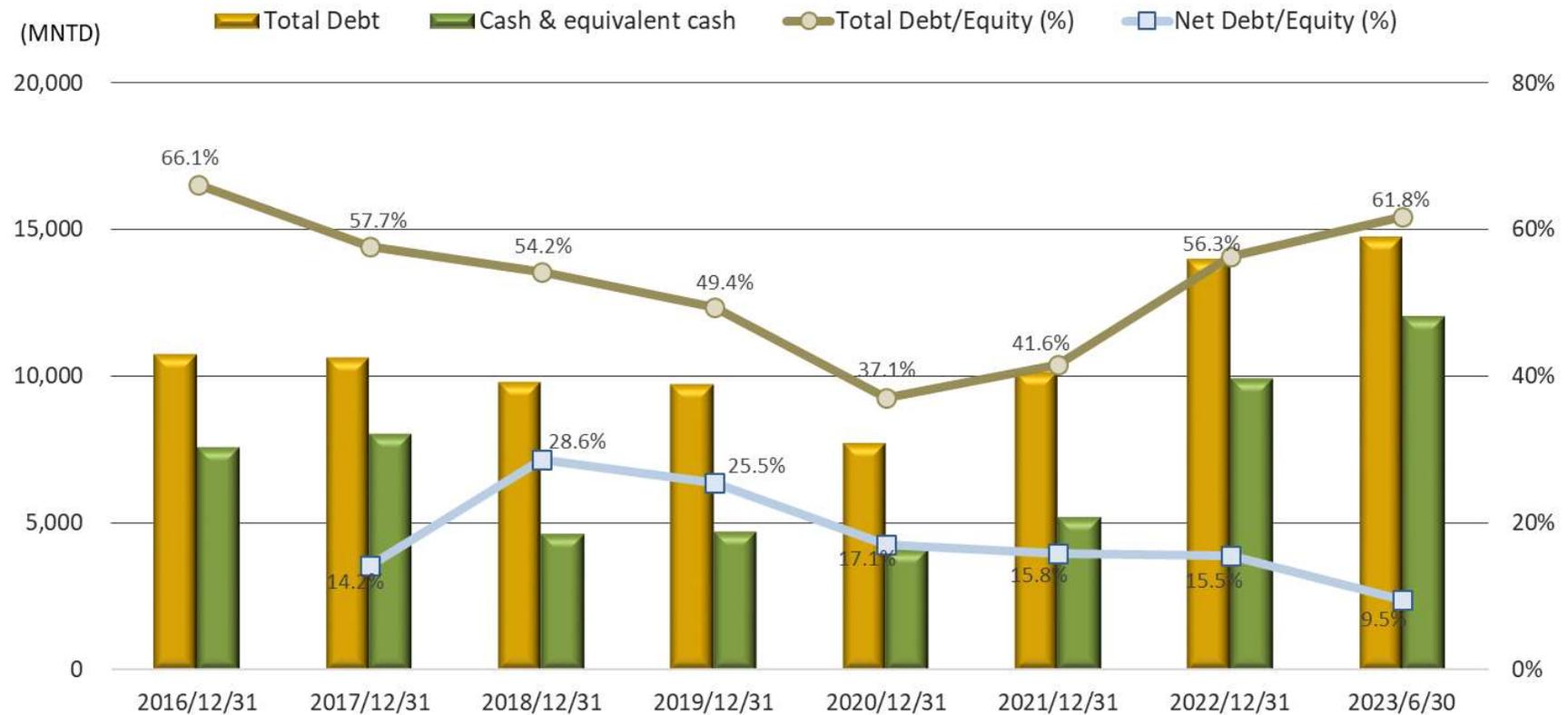
CapEx & Depreciation

- CapEx: 691.6MNTD (2Q23)
- Depreciation: 1,210.1MNT(2Q23)



Healthy Debt and Cash Level

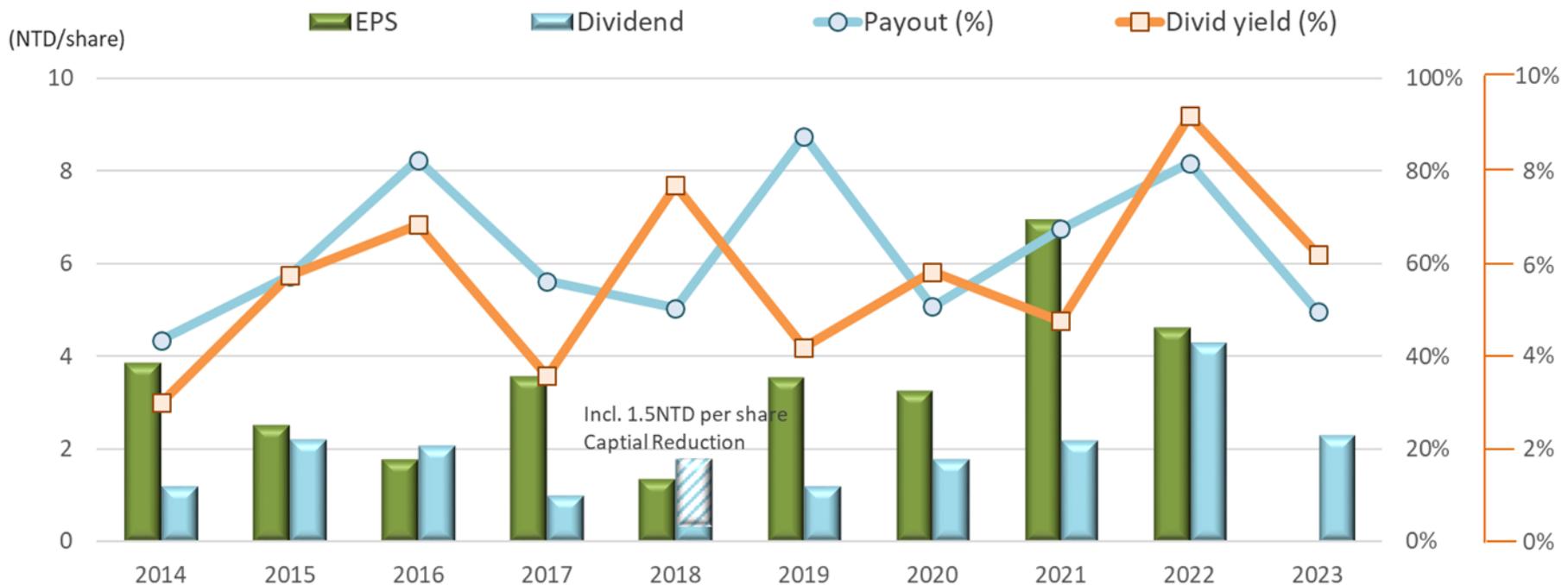
□ ~27.5BNTD of Cash & equivalent cash and Unused credit lines up to June/30'23



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

Stable Payout and High Dividend Yield

- ❑ EPS: 0.86NTD (2Q23); 4.64NTD (2022)
- ❑ Payout ratio (2014~2023): average: > 60%
 - 2023 dividend: 2.3NTD; payout ratio 50%
- ❑ Dividend yield (2014~2023): average: ~5.2%
- ❑ ~7.5BNTD of unappropriated retained earnings up to June/30'23

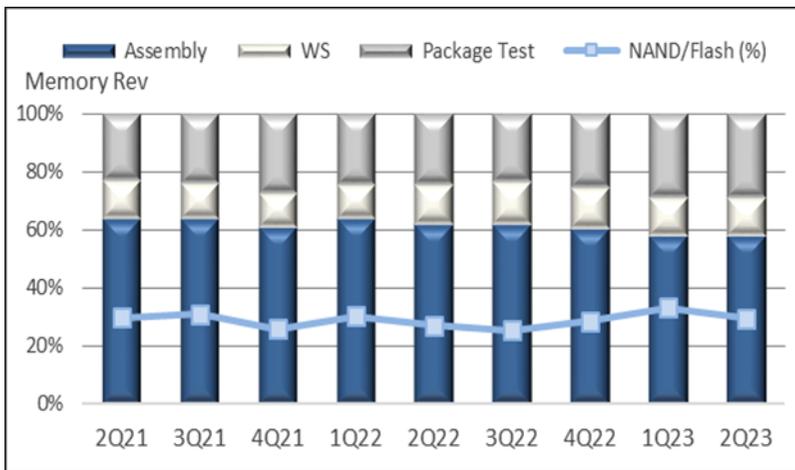
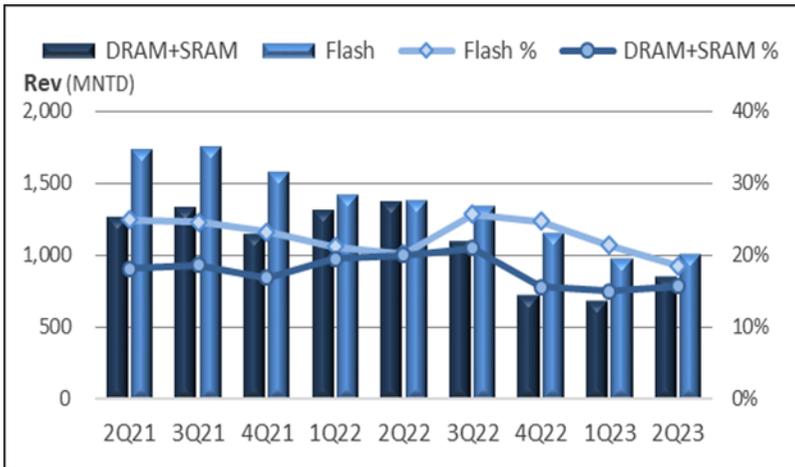


Note: 2019 Payout ratio = 2019 Dividend / 2018 EPS

Operation Performance

Memory IC

2Q23: 33.3%



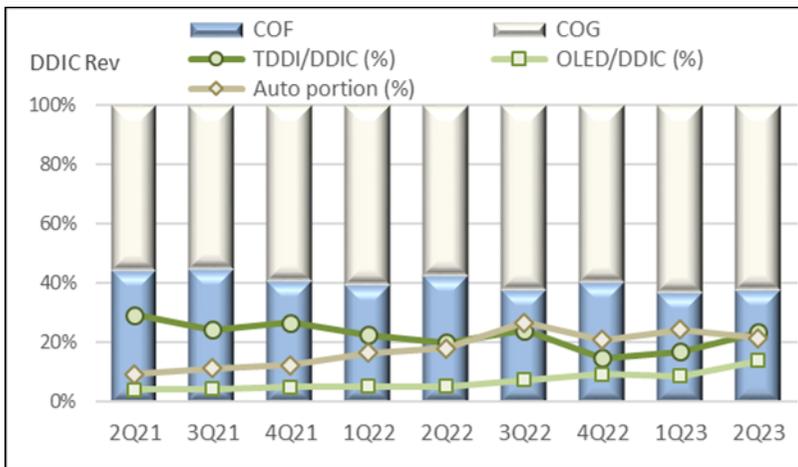
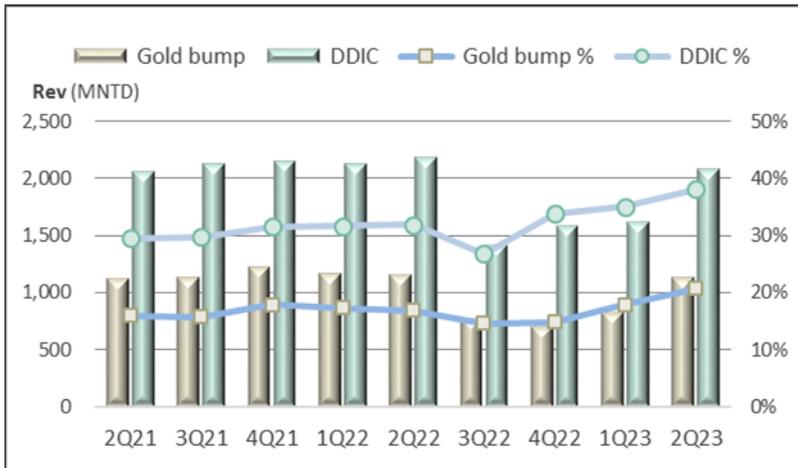
Key Message

- ❑ QoQ +8.2%, YoY -34.2%
- ❑ Positive indications despite continued destocking at certain customers
 - DRAM: 14.1% (QoQ +14.6%)
Demand likely begins to improve mid-3Q23 with benefit from Memory IDMs lowering their UT level
 - Flash: 18.6% (QoQ +2.5%)
 - ✓ NAND represented about 29.4% of Q2 Flash revenue, (QoQ -9.3%)
NAND Flash demand is rebounding
 - ✓ NOR QoQ +7.0%

Operation Performance (Cont'd)

DDIC & Gold bump

2Q23: 58.9%

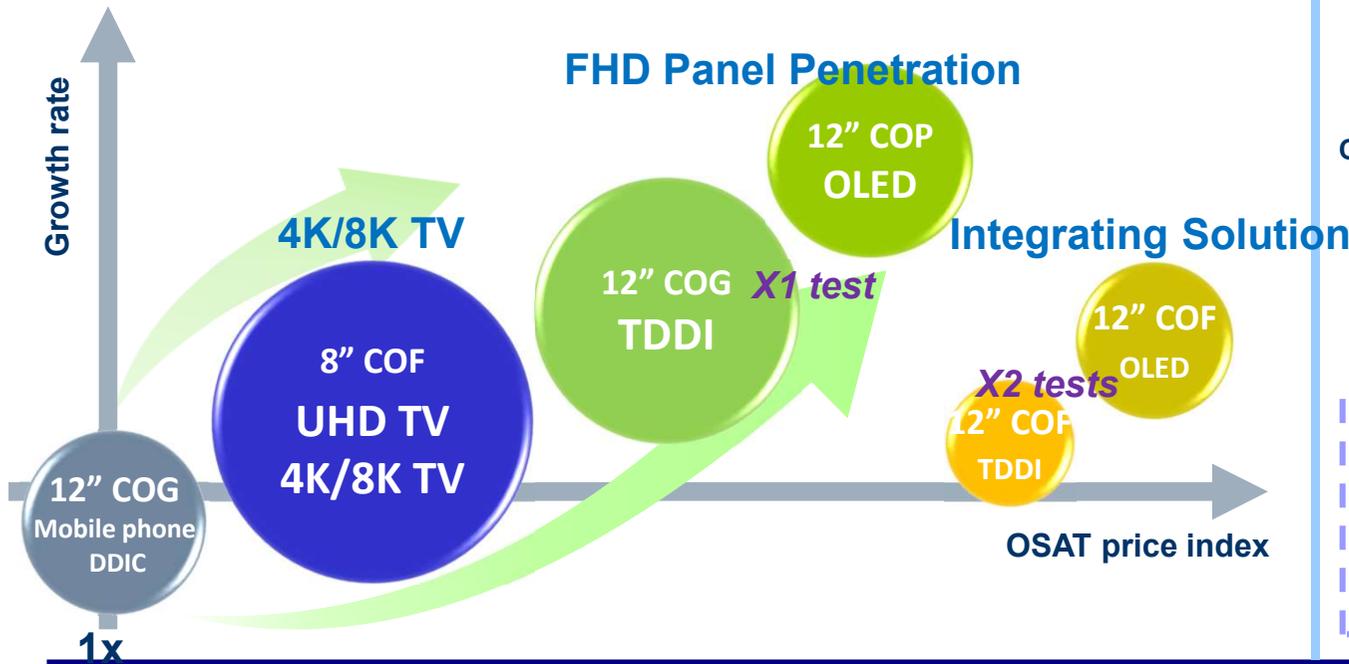


Key Message

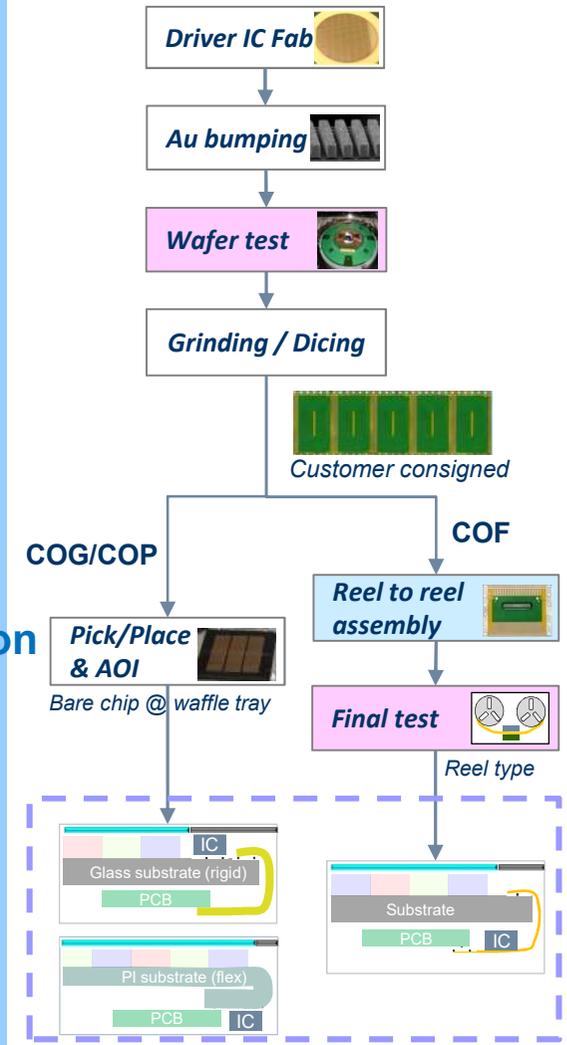
- ❑ QoQ +31.6%, YoY -4.0%
- ❑ Auto panel and OLED demand stable and gradually rebounding
- ❑ UT level of high end DDIC test platforms further improving and some specific platforms are near fully occupied
- ❑ Capacity plan depends on UT level and customers' demand
 - More than 20% DDIC revenue is coming from Automotive application in Q2 (QoQ +13.6%)
 - TDDI: Represented around 23.5% of Q2 DDIC revenue
 - OLED: Represented about 14.0% of Q2 DDIC revenue

Leverage DDIC Growth by Higher ASP Product Penetration

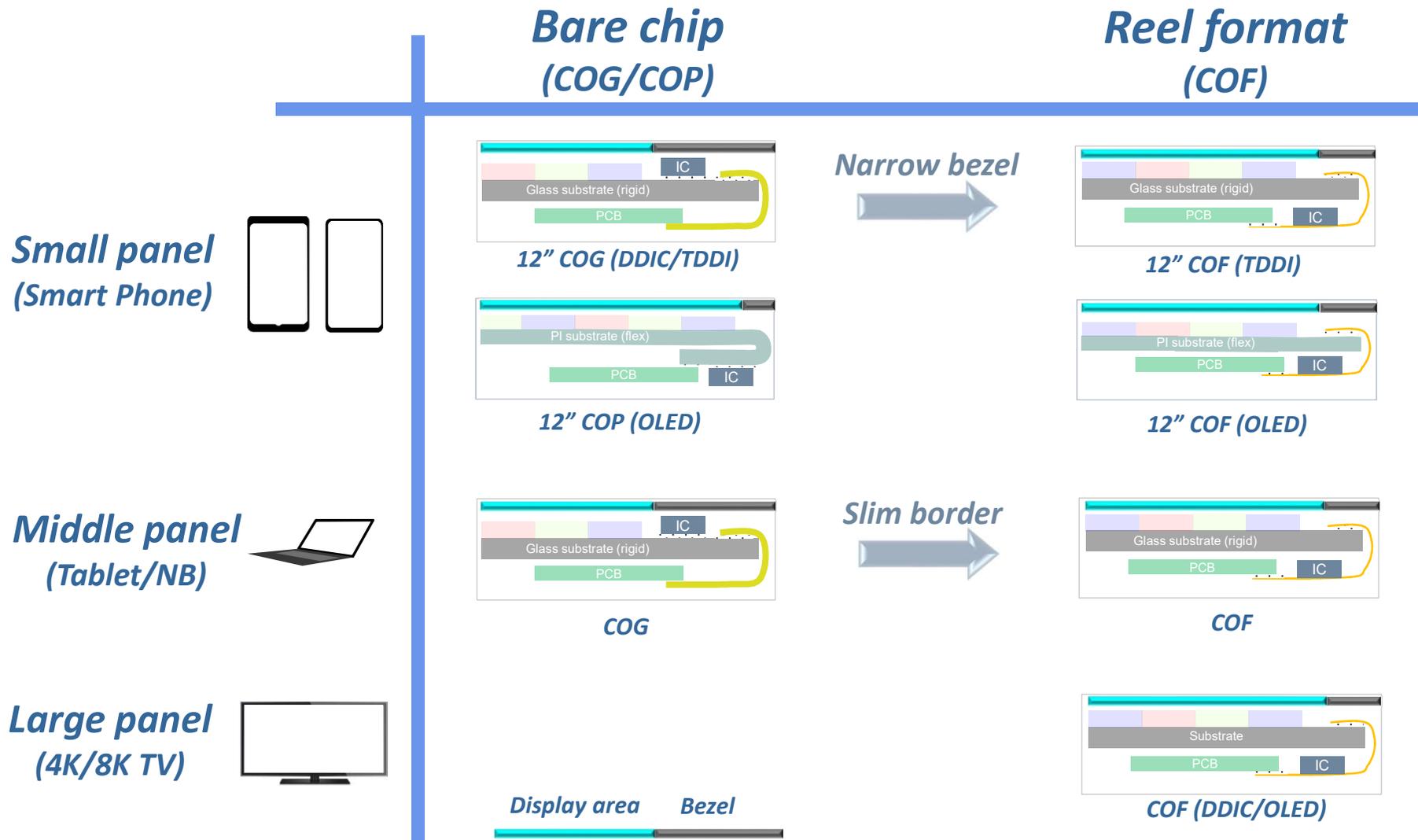
- ❑ Quantity increase
 - TV: 8K TV emerging; more DDIC quantity consumption
- ❑ Longer test time
 - TDDI: ~3x wafer testing time
 - OLED: Longer testing time + high end test platform
 - Automotive panel: + negative temp test procedure
- ❑ COF: X2 test procedure (wafer sort + Final test)
Integrating more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



DDIC OSAT Flow

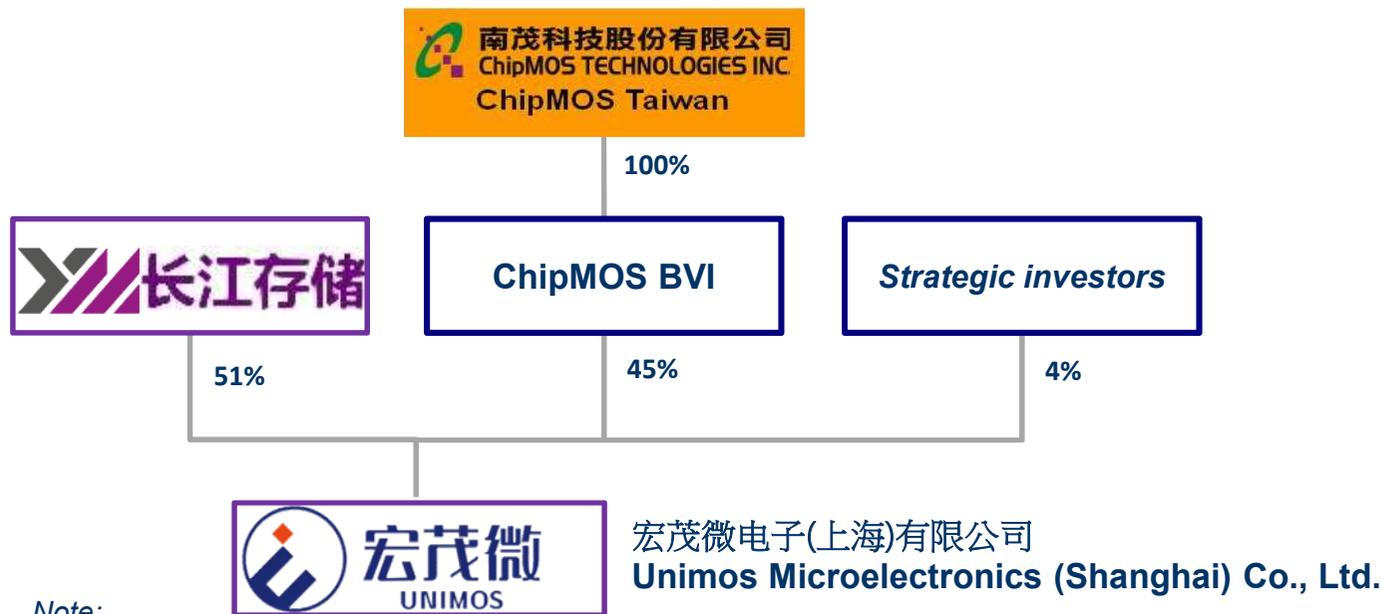


Display Driver IC vs Panel Comparison



Corporate Holding Structure

- ❑ Except for being the investors of Unimos, there are no other legal relationship between ChipMOS and YMTC.
- ❑ The technology transfer between ChipMOS and Unimos had been completed. ChipMOS no longer provides any technology to Unimos.
- ❑ Unimos becomes a long-term investment of ChipMOS and recognized profit/loss pro rata. ChipMOS is not responsible for the business performance of Unimos.



Note:

1. ChipMOS Shanghai already changed company name to Unimos since Jul/4, 2018.
2. Unigroup transferred the equity of Unimos to YMTC (Yangtze Memory Technologies Co. Ltd.) since Dec. 2019
3. Changed Chinese Company name since Dec/23, 2022

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)

9,975戶家庭每月用電量
110年再生能源(太陽能)累計發電數

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

4,122座國際標準泳池
14年來製程回收水成果

- ✓ **CDP**

Climate Change: A⁻

■ 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**

11,376人次 2021年投入志工
11,376 attendees for Volunteer Works

■ Governance 治理面

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

第八屆公司治理評鑑 上市公司
前5%

Ranked among the top 5% of all
TWSE-listed companies for 8th
Corporate Governance Evaluation

- ✓ **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**

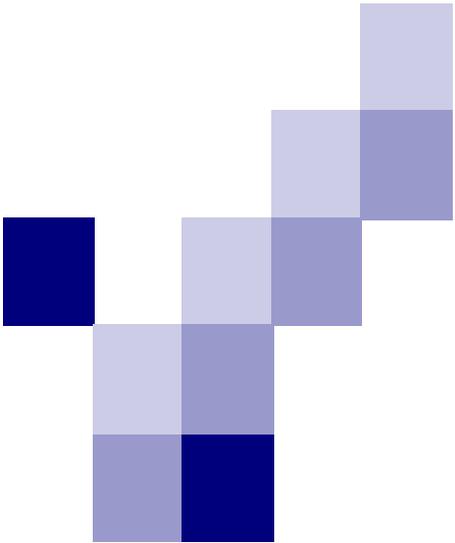
5年 連續5年榮獲TCSA台灣永續獎

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



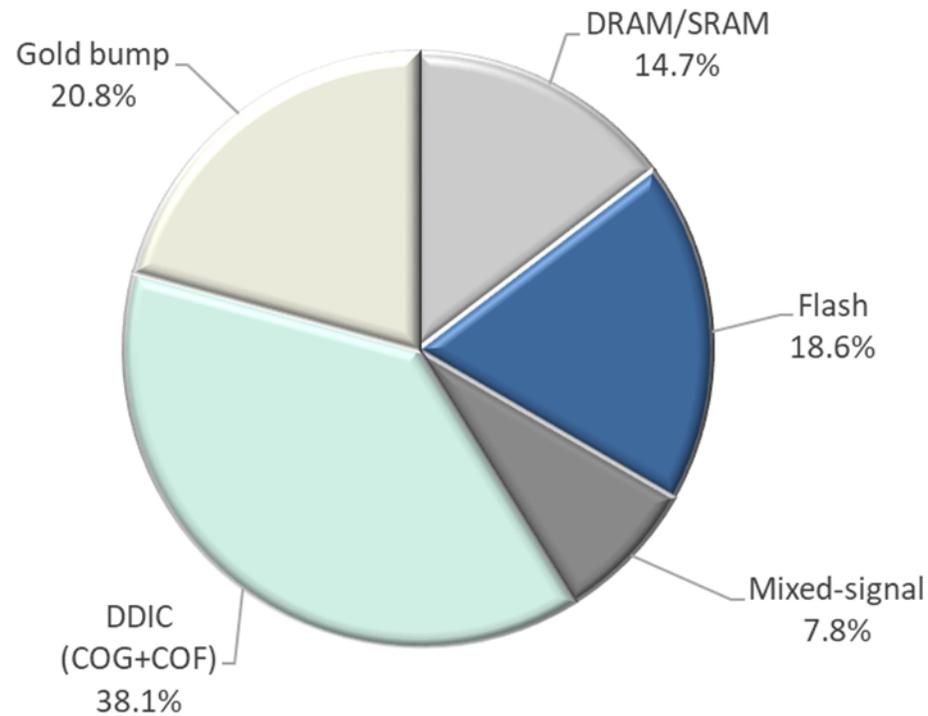


2Q23 Financial Results

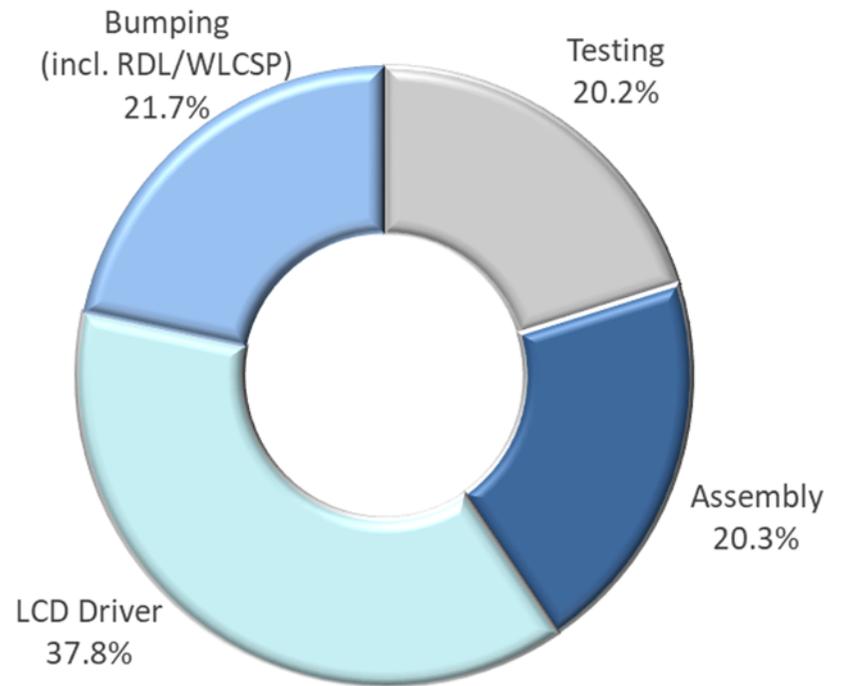


2Q23 Revenue Breakdown

Product



Manufacturing Site



Consolidated Operating Results Summary

(NT\$ Millions)	2Q23	1Q23	2Q22
Revenue	5,444.1	4,605.1	6,851.7
Profit Attributable to the Company	628.5	202.4	1,320.6
EPS Attributable to the Company - Basic (NT\$)	0.86	0.28	1.82
Earnings per ADS equivalent - Basic (US\$) ⁽¹⁾	0.56	0.18	1.17
Depreciation & Amortization	1,210.1	1,197.6	1,197.3
CapEx	691.6	313.2	1,400.8
EBITDA ⁽²⁾	1,731.5	1,383.0	2,474.1
Return on Equity (%) ⁽³⁾	10.3%	3.2%	21.3%

Notes:

(1) The exchange rate was NT\$31.14 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)	2Q23	1Q23	QoQ	2Q22	YoY
Revenue	5,444.1	4,605.1	18.2%	6,851.7	-20.5%
Gross Profit	940.6	569.8	65.1%	1,741.9	-46.0%
Gross Margin	17.3%	12.4%	4.9ppts	25.4%	-8.1ppts
Operating Expenses	(442.0)	(400.6)	10.3%	(485.1)	-8.9%
Operating Profit	521.4	185.4	181.2%	1,276.8	-59.2%
Operating Profit Margin	9.6%	4.0%	5.6ppts	18.6%	-9.0ppts
Non-operating Income (Expenses) ⁽¹⁾	222.4	43.5	411.3%	308.9	-28.0%
Profit Attributable to the Company	628.5	202.4	210.5%	1,320.6	-52.4%
EPS Attributable to the Company - Basic (NT\$)	0.86	0.28	207.1%	1.82	-52.7%
Weighted Average Shares Outstanding (in thousands) - Basic	727,240	727,240	0.0%	727,240	0.0%
EPS Attributable to the Company - Diluted (NT\$)	0.86	0.28	207.1%	1.80	-52.2%
Weighted Average Shares Outstanding (in thousands) - Diluted	729,531	735,090	-0.8%	732,021	-0.3%

Note (1) :

QoQ: Difference mainly due to positive foreign exchange impact of NT\$194M from a foreign exchange loss of NT\$44M in 1Q23 to a foreign exchange gain of NT\$150M in 2Q23 and partially offset by the decrease of gain on valuation of financial assets at fair value through profit or loss of NT\$21M.

YoY : Difference mainly due to the decrease of share of profit of associates accounted for using equity method of NT\$94M, a lower foreign exchange gain of NT\$75M and partially offset by the positive of valuation of financial assets at fair value through profit or loss impact of NT\$56M (gain of NT\$4M in 2Q23 and loss of NT\$52M in 2Q22) and the decrease of net interest expense of NT\$16M.

Consolidated Statements of Financial Position & Key Indices

Selected Items from Consolidated Statements of Financial Position

(NT\$ Millions)	2Q23		1Q23		2Q22	
	Amount	%	Amount	%	Amount	%
Current Assets	20,530.2	44.8%	19,601.4	42.9%	16,981.2	39.5%
Non-current Assets	25,306.2	55.2%	26,108.6	57.1%	26,056.0	60.5%
Total Assets	45,836.4	100.0%	45,710.0	100.0%	43,037.2	100.0%
Current Liabilities	7,816.5	17.0%	5,830.0	12.8%	8,677.9	20.2%
Non-current Liabilities	14,193.4	31.0%	14,833.5	32.4%	10,583.9	24.6%
Total Liabilities	22,009.9	48.0%	20,663.5	45.2%	19,261.8	44.8%
Total Equity	23,826.5	52.0%	25,046.5	54.8%	23,775.4	55.2%
Total Liabilities and Equity	45,836.4	100.0%	45,710.0	100.0%	43,037.2	100.0%
Key Indices						
A/R Turnover Days	76		86		77	
Inventory Turnover Days	58		69		56	

Consolidated Statements of Cash Flows

(NT\$ Millions)	1H23	1H22
Cash and Cash Equivalents at Beginning of Period	9,896.6	5,906.2
Net Cash Generated from (used in) Operating Activities	3,286.5	5,454.2
Net Cash Generated from (used in) Investing Activities	(1,487.9)	(3,204.8)
Net Cash Generated from (used in) Financing Activities	594.6	(900.2)
Effect of Exchange Rate Change on Cash	3.3	14.2
Cash and Cash Equivalents at End of Period	12,293.1	7,269.6
Free Cash Flow ⁽¹⁾⁽²⁾	1,950.0	2,321.0

Note :

(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 decrease of operating profit of NT\$1,802M and partially offset by the decrease of CapEx of NT\$1,020M and income tax expense of NT\$360M.

Company Website

www.chipmos.com