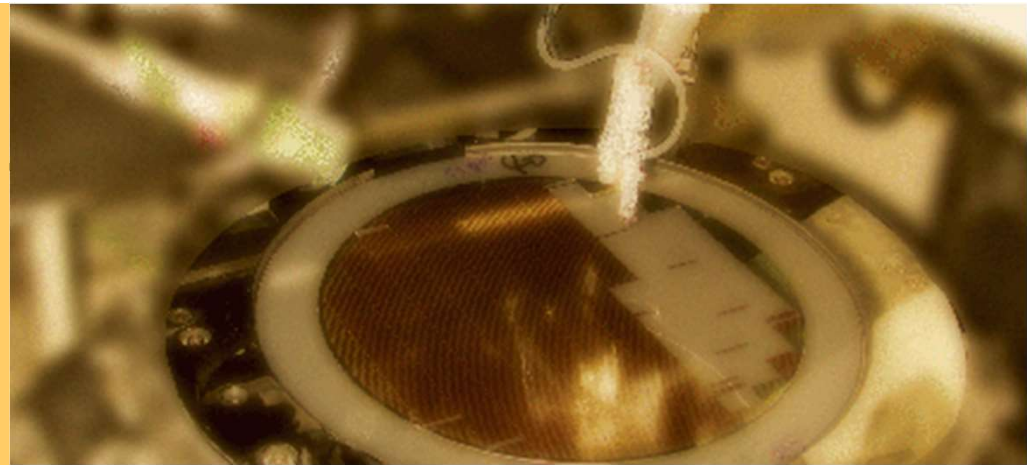




## Benchmark of The Testing Industry



**King Yuan Electronic Co., Ltd.**  
**京元電子股份有限公司**

**[TWSE: 2449]**

May, 2025

- Wafer Test Service
- Assembly Service
- Burn-In Service
- IC Test Service
- Backend Support
- Turnkey Operation



# Safe Harbor Notice

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- ❖ Forward-looking statements involve known and unknown risks, uncertainties and other factors, which may cause the actual performance, financial condition or results of operations of the Company to be materially different from any future performance, financial condition or results of operations implied by such forward - looking statements. Further information regarding these risks, uncertainties and other factors is included in the Company most recent Annual Report on Taiwan Stock Exchange (Market Observation Post System).

# KYEC group snapshot

## Overview

- Established In: May 1987
- Headquarters: Hsinchu, Taiwan
- TWSE Listed: 2449.TW
- Market Cap.<sup>(1)</sup>: NT\$107,235 million
- Employees: 8,137

## Manufacturing footprint in Taiwan

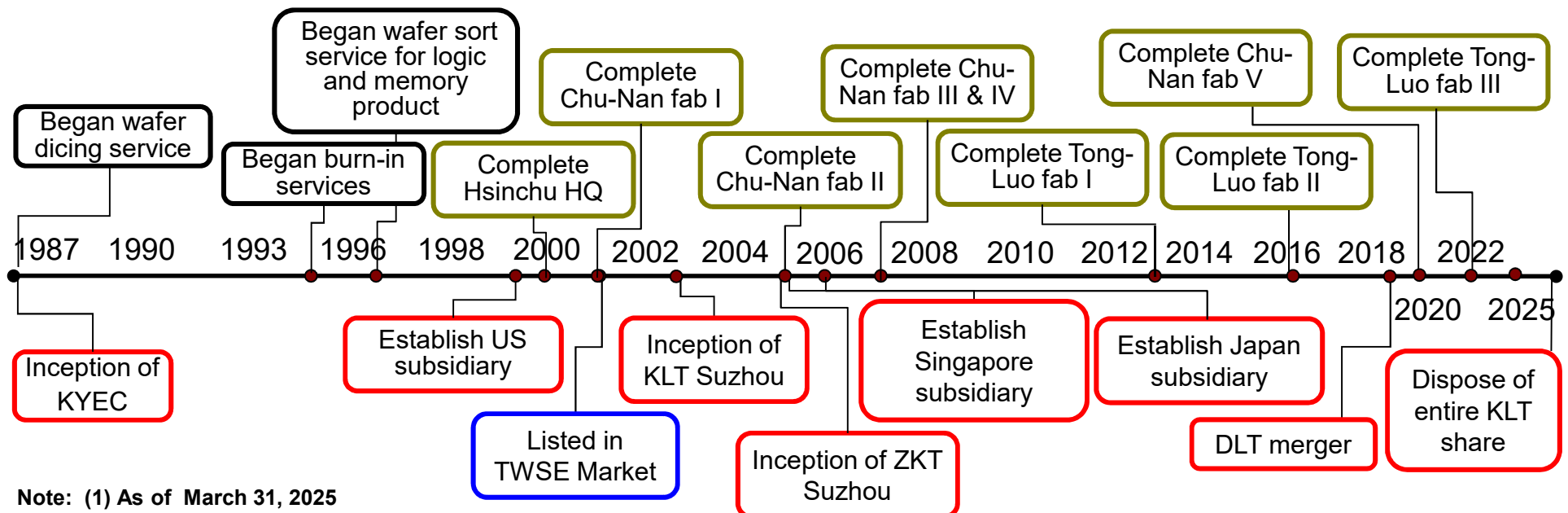


Headquarters

Chu-Nan fab.

Tung-Luo fab.

## Key milestones



Note: (1) As of March 31, 2025

# KYEC is the benchmark of semi testing industry

*KYEC is uniquely positioned, locally and globally, as a pure-play testing house and aiming to take advantages of the ever-growing outsourced semi testing business.*

1

4,300+ sets of installed test system, including both commercial and in-house developed testers, providing testing services for various end applications

2

Optimal customer structure and balanced business exposure to maintain strong margin growth during the volatile semiconductor market environment

3

In-house test system developing and manufacturing capability as a core competence differentiate KYEC from its OSAT peers

4

Seasoned management team with broad and deep industry experiences

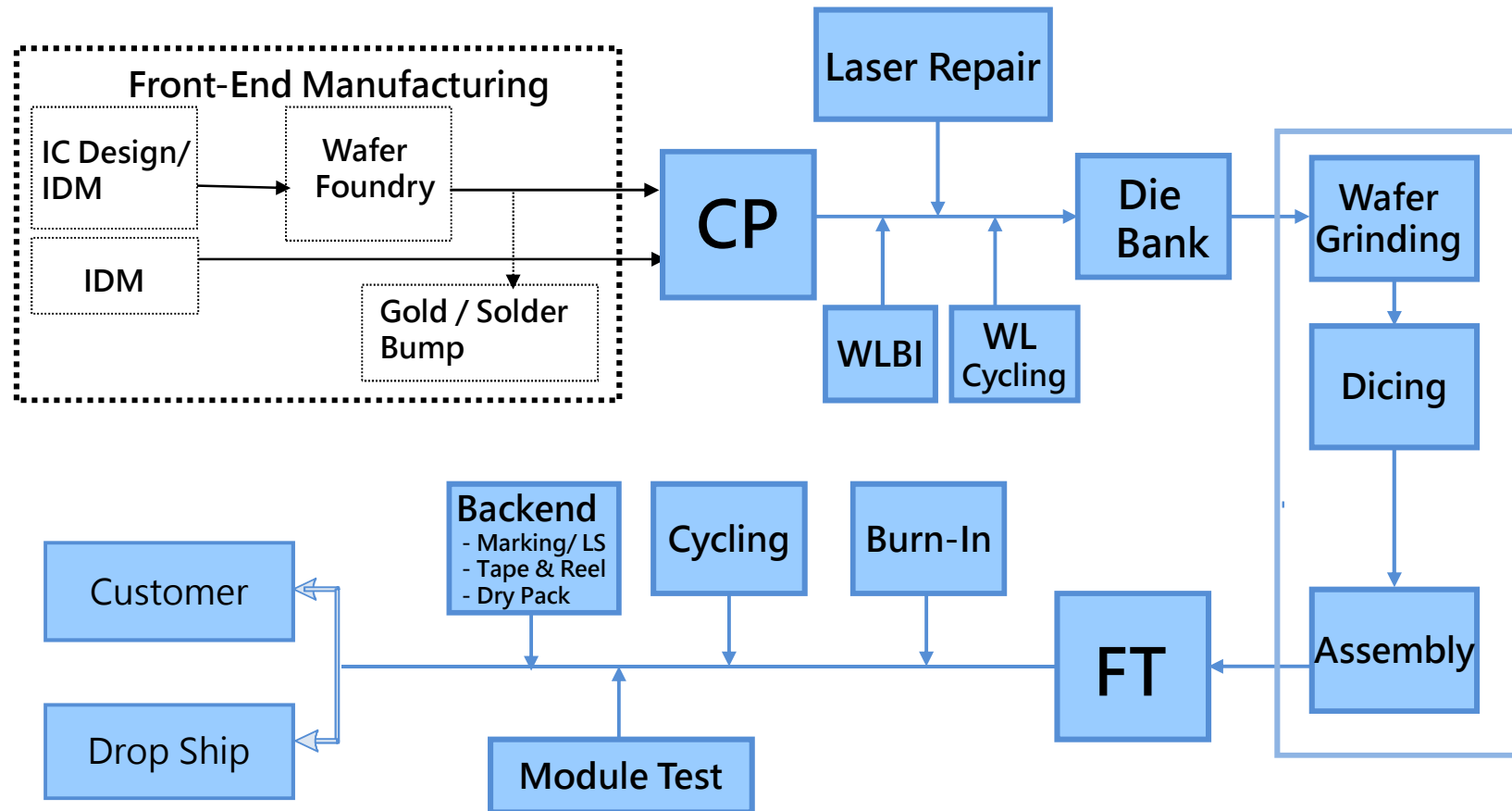
5

Healthy financial structure and strong EBITDA profit to support CapEx

6

Corporate strategies dedicated to enhance shareholder's interests

# IC manufacturing process and KYEC available services



Note: Blue colors are KYEC available services

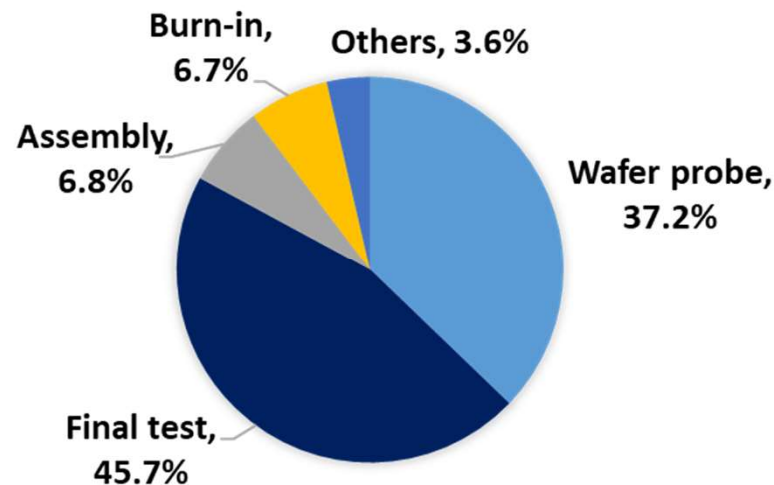
# Diversified product mix for stable, long-term growth

- In general, test services contributed about 90% of company's total revenue.
- Devices tested by KYEC have been widely used in various applications, including consumer, communication, automotive, data computing and industrial ... etc.
- Revenue recorded in Others included sale of equipment and tooling, lease income, and miscellaneous items.

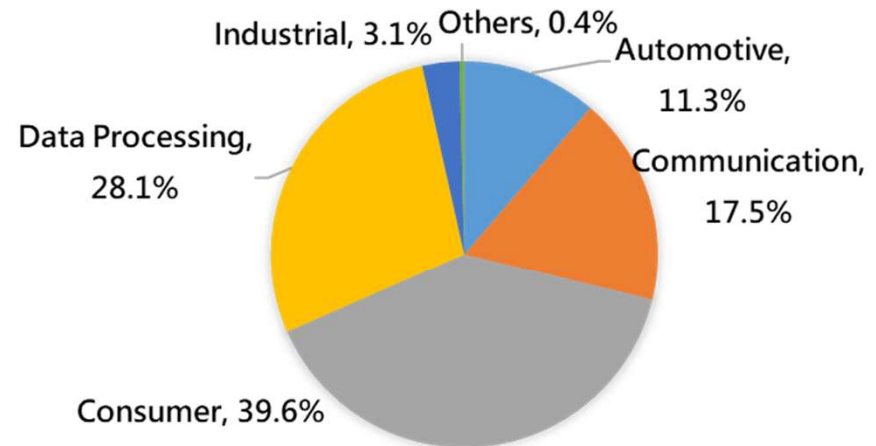
## Revenue breakdown for Q1'25

(exclude data of subsidiary in China)

### By Manufacturing Process



### By Application





# KYEC services global top tier customers

## 48% of global top 50 semi companies use KYEC's test services

(US\$ Millions)

2024	Company	2023	2024	Change	2024	Company	2023	2024	Change
1	NVIDIA*	34,846	76,692	120.1%	26	Skyworks Solutions*	3,882	3,368	-13.2%
2	Samsung Electronics	40,868	65,697	60.8%	27	Novatek*	3,515	3,165	-10.0%
3	Intel*	49,427	49,804	0.8%	28	Bosch*	2,962	2,989	0.9%
4	SK hynix	23,077	44,186	91.5%	29	OMNIVISION*	2,422	2,963	22.3%
5	Qualcomm	29,229	32,976	12.8%	30	Qorvo	2,477	2,712	9.5%
6	Broadcom*	25,613	27,801	8.5%	31	CXMT	629	2,574	309.2%
7	Micron Technology	16,153	27,619	71.0%	32	Rohm	2,833	2,547	-10.1%
8	AMD*	22,307	24,127	8.2%	33	ams OSRAM*	2,332	2,412	3.4%
9	Apple	18,052	20,510	13.6%	34	Toshiba*	2,661	2,318	-12.9%
10	MediaTek*	13,451	15,934	18.5%	35	Monolithic Power Systems	1,783	2,160	21.1%
11	Infineon Technologies*	17,022	15,777	-7.3%	36	Nexperia	2,151	2,043	-5.0%
12	Texas Instruments	16,483	14,718	-10.7%	37	UniSoC Technologies	1,833	2,015	9.9%
13	STMicroelectronics*	16,941	12,899	-23.9%	38	Cirrus Logic*	1,790	1,843	3.0%
14	NXP	13,076	12,438	-4.9%	39	DENSO	1,847	1,775	-3.9%
15	Sony*	10,195	11,148	9.3%	40	Mobileye*	1,986	1,553	-21.8%
16	KIOXIA	5,842	9,523	63.0%	41	Winbond Electronics*	1,206	1,446	19.9%
17	Analog Devices*	11,813	9,367	-20.7%	42	Nichia	1,435	1,401	-2.4%
18	Renesas Electronics*	10,436	8,732	-16.3%	43	Alchip Technologies*	776	1,396	79.9%
19	Onsemi*	7,927	6,802	-14.2%	44	Vishay	1,709	1,393	-18.5%
20	Western Digital	5,269	6,462	22.6%	45	Mitsubishi Electric	1,491	1,383	-7.2%
21	Yangtze Memory	2,180	5,645	158.9%	46	LX Semicon	1,455	1,361	-6.5%
22	Marvell Technology Group*	5,450	5,637	3.4%	47	Hangzhou Silan	1,179	1,312	11.3%
23	HiSilicon	2,332	4,785	105.2%	48	Sanechips Technology	1,309	1,301	-0.6%
24	Microchip Technology*	8,424	4,646	-44.8%	49	Socionext	1,589	1,293	-18.6%
25	Realtek Semiconductor*	3,047	3,524	15.7%	50	Hygon	847	1,273	50.3%

Note: company's names in blue \* are KYEC's customers. AMD includes Xilinx.

Source: Gartner 2025

# KYEC retains flexible and cost effective test solutions

- ❑ Current semi testing service provider is demanding on flexibility, cost effective and various platform/capacity for servicing the small-volume business trend.
- ❑ KYEC is standing to take advantage of this market trend for its flexible in test platform choices, capacity and in-house capability.
- ❑ KYEC currently installed 4,300+ test systems on its shop floor.

	Memory	Logic / Mixed-Signal	CIS/CCD	LCD Driver	RF / Wireless	SOC
Advantest	T5571P / T5581H / T5585 / T5588 T5371 / T5372 / T5377S T5382A / T5771 T5335 / T5365 / T5334 / T5335P	T6672 / T6673 T6575 / T6577 T6683		T6331 T6371 T6372 T6373	T2000-RF	T2000
Agilent (Verigy)	V1200 / V2000 V3000 / V4400	HP93K / HP94K / HP83K	HP93KIP / 94KIP		HP93KPSRF	HP93KPS / PS1600 HP93K-EXA
LTX-Credence	Kalos / XW Kalos II / HEX Pkalos / Pkalos II	Duo / Quartet SCX12 / ITS9KEXA / CV ITS3KEXA / ASL1K / ASL3K-MS Sapphire / D10			ASL3K-RF Fusion-CX Fusion-MX	Sapphire / D10 Fusion-MX DiamondX
Teradyne	M1 / M2	Catalyst / J750 J750EX / iFlex Ultra Flex	IP750 IP750EMP		Flex-RF Catalyst-RF Ultra Flex-RF	J750EX / J750 / J750HD / ETS-364 iFlex / Ultra Flex Catalyst / M1 / M2
Yokogawa				TS6700 ST6730		
KYEC	M-series tester	E-series tester	I-series tester	D-series tester	E-series tester	E-series tester



# In-house test systems widely use in mass production

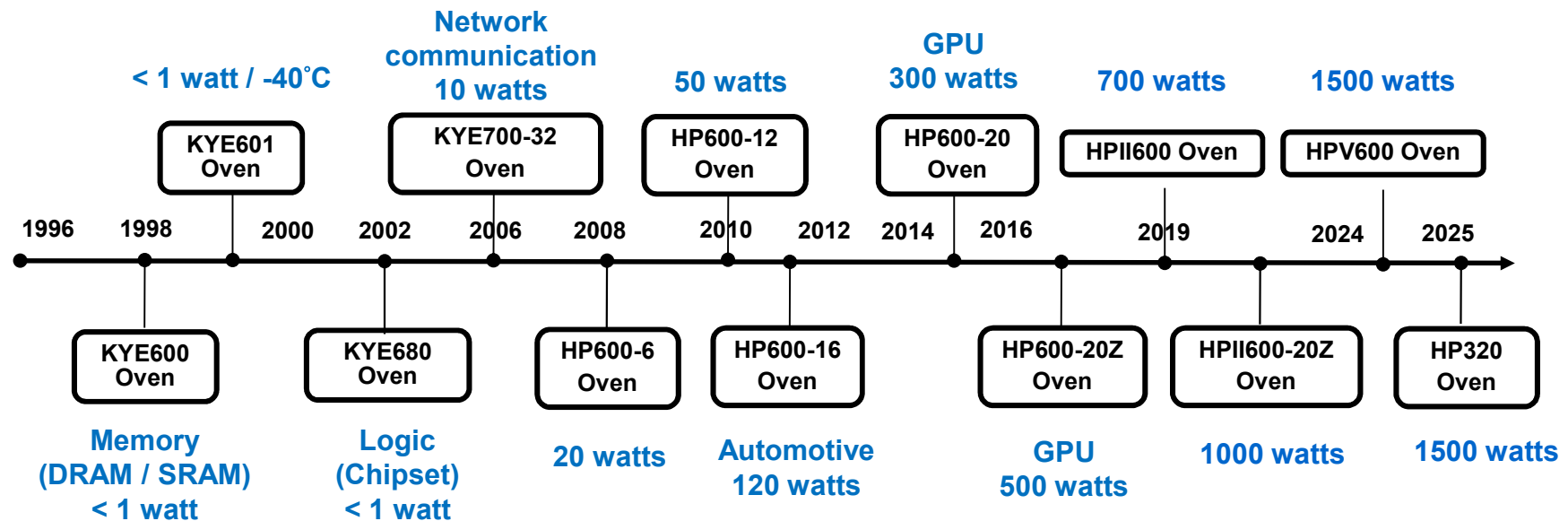
- ❑ In general, in-house test system provide a custom-tailored solution flexible in test configuration and programming for device used in various applications.
- ❑ In addition, KYEC designs and manufactures test tooling and probe card in-house.

## Application of in-house tester



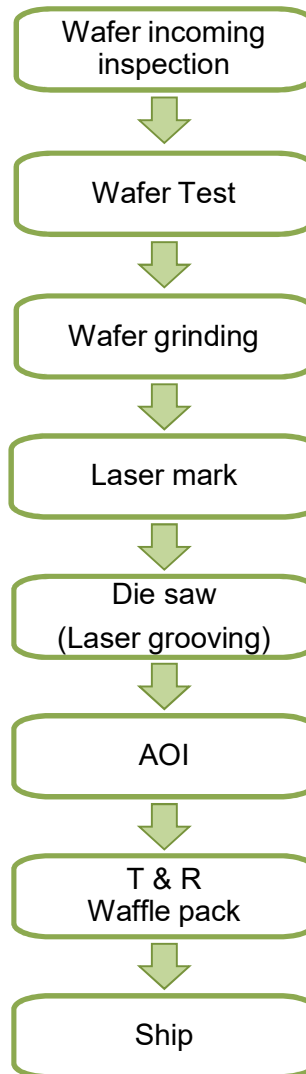
# KYEC developed ovens for burn-in test services

- ❑ In-house burn-in ovens provide flexibility, custom tailored test services.
- ❑ Our burn-in oven is able to offer testing under wide range of power/watts for products after one single test setup.
- ❑ Our high-power burn-in oven employs the air-cooling technologies instead of the liquid-cooling used in the market available ovens, providing advantages of cost saving and easy maintenance.
- ❑ Develop liquid-cooling burn-in oven for mass-production.



# KYEC provides turnkey WLCSP services as well

## KYEC's WLCSP process flow



- ❑ In addition to wafer testing, KYEC provides wafer grinding, die sawing/laser grooving, AOI and packing services for Wafer Level Chip Scale Package (WLCSP) as well.
- ❑ WLCSP is primarily for applications as: e-compass, accelerometer, gyroscope, pressure, humidity, microphone, power management and memory products.
- ❑ WLCSP revenue in KYEC has increased significantly over last couple years. We expects this trend to continue in the future.



# KYEC group management team with deep industry experience

## C.K. LEE - Chairman & CEO

- Over 30 Years of semiconductor industry experience
- Former Manager of Manufacturing, United Microelectronics Corporation
- Bachelor of Department of Shipping & Transportation Management, National Taiwan Ocean University.

## Gauss CHANG - General Manager & CSO

- Over 30 Years of semiconductor industry experience
- Former Manager of foundry business, Winbond Electronics Corp.
- MBA. from Saginaw Valley State University, Michigan, USA.

## Steven CHANG - EVP & CISO

- Over 20 Years of semiconductor industry experience
- Former Manager of quality assurance, Macronix International Co., LTD.
- Bachelor of Department of Electrical Engineering, Chung Yuan Christian University. M.Sc. from Graduate School of Electrical Engineering, National Central University.

## Logan CHAO - VP & CFO

- Over 20 Years of semiconductor industry experience
- Former Audit manager of KPMG
- Bachelor of Department of Accounting, Chinese Culture University. EMBA of National Tsing Hua University.

## Andy LIANG - Senior VP

- Over 20 Years of semiconductor industry experience
- Former manager of equipment engineering, UTAC/Taiwan
- Bachelor of Department of Electronic Engineering, Minghsin University of Science and Technology. MBA from Minghsin University of Science and Technology.

## Hans HAN- Vice President

- Over 30 Years of semiconductor industry experience
- Former deputy assistant vice president of Walton Advanced Engineering Inc.
- Bachelor of Department of Electrical Engineering, National Taiwan University of Science and Technology. M.Sc. from Department of Electronic and Computer Engineering, National Taiwan University of Science and Technology.

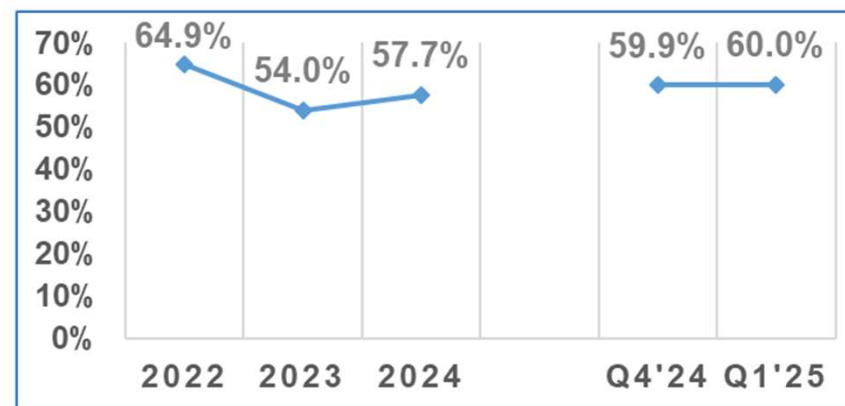


## Financial highlights

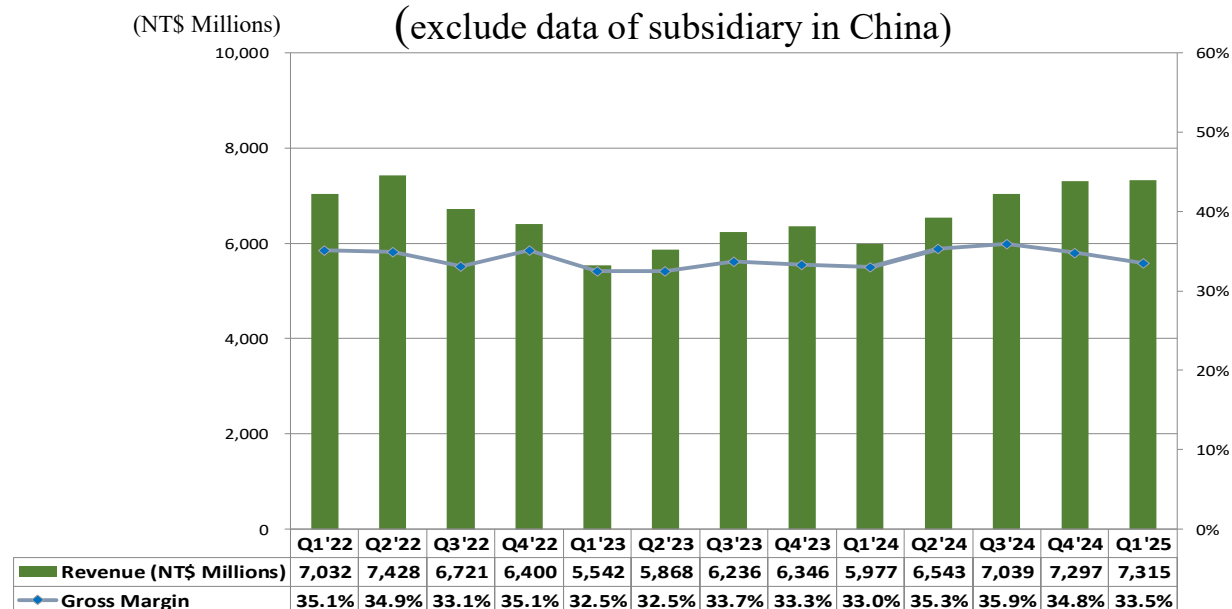
# Financial Snapshot

(NT\$ Millions)	Q1'25	Q4'24
Net Revenue(exclude revenue of subsidiary in China)	7,315.5	7,296.9
Gross Margin (%)	33.5%	34.8%
Expenses		
SG&A	685.1	809.7
R&D	242.6	223.4
EBITDA(exclude data of subsidiary in China)	3,172.9	3,098.6
EPS – diluted (NT\$)	\$3.48	\$1.65
EPS – basic (NT\$)	\$3.51	\$1.66

UTR (exclude data of subsidiary in China)



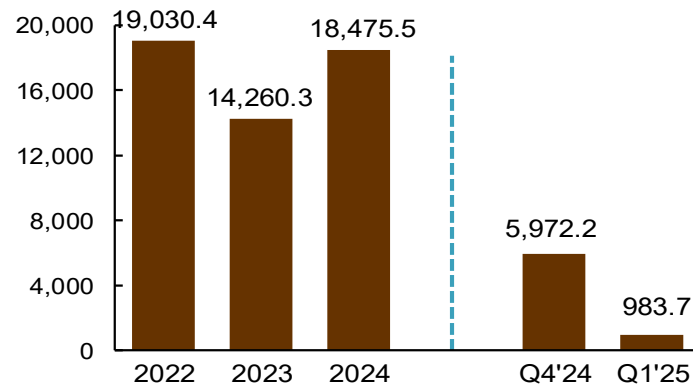
Revenue and Gross Margin  
(exclude data of subsidiary in China)



# Optimal financial leverage enhances shareholder interest

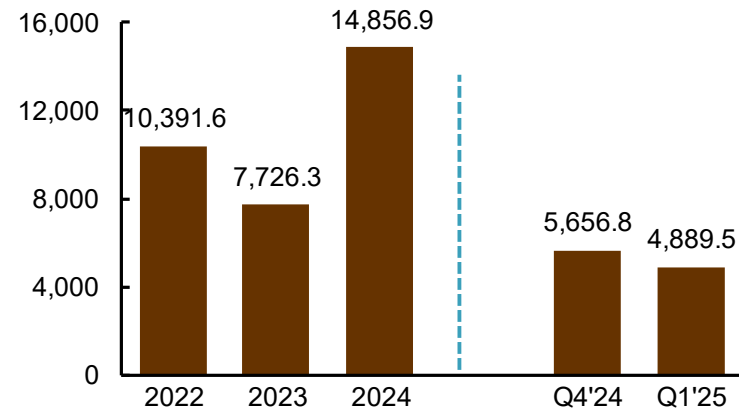
## Cash Flow from Operations

(NT\$ Millions)



## CapEx

(NT\$ Millions)



## Debt | Cash

Net Debt/Equity

32.1%

33.3%

38.4%

29.8%

25.1%

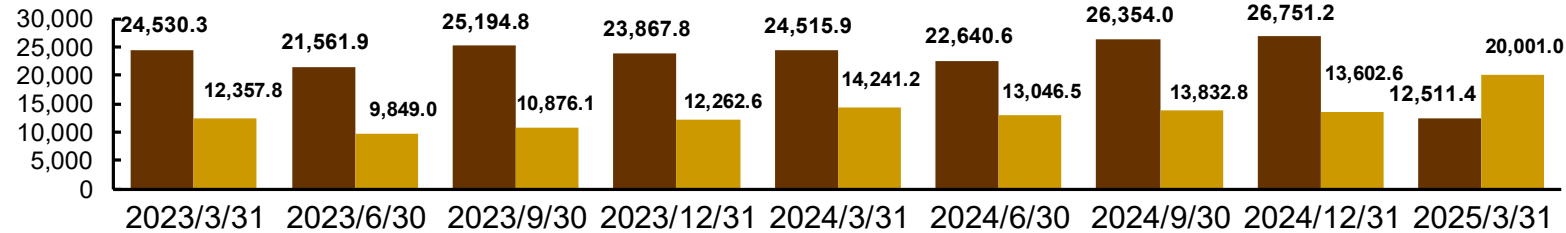
24.4%

30.0%

30.4%

-15.7%

(NT\$ Millions)



■ Debt

■ Cash



# Company website

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<http://www.kyec.com.tw>