

怡利電子工業股份有限公司



免責聲明

本文件係由怡利電子工業股份有限公司（以下簡稱本公司）製作，本文件中之內容並未明示或暗示陳述或保證其具有公正性、準確性、完整性或隨時更新。文件內容係以發布時點之環境變動為考量，日後亦不可能為此時點後之重大發展狀況而更正本文件相關內容。本公司、關係人、代表均不就使用（例如疏忽或其他情況）本文件內容或其他與本份文件有關內容所引發之損害負責。

本文件之陳述可能會表達出本公司對未來願景之信心與期望，但這些前瞻性之陳述係建立在若干與本公司營運及超出本公司管控因素外之假設條件上，因此，實際結果與上開前瞻性陳述可能有很大的差異。

怡利台灣

彰化總廠
研發中心

R&D:
ID, ME, EE-1, EE-2

SMT line x 2
組裝線 x 8

彰化廠
組裝線

組裝線 x 10

全興二廠
光學玻璃廠

玻璃產線 x 4

- 平面鏡
- 凹凸面鏡
- 自由曲面鏡



車載主機、後座娛樂系統、環景系統、倒車顯影、盲區偵測系統、車用無線充電器

車用電子配件產品 光學玻璃相關產品

怡利江蘇

蘇州廠

R&D

SMT line X 2
HUD環形組裝線 x 2



前擋玻璃抬頭顯示器

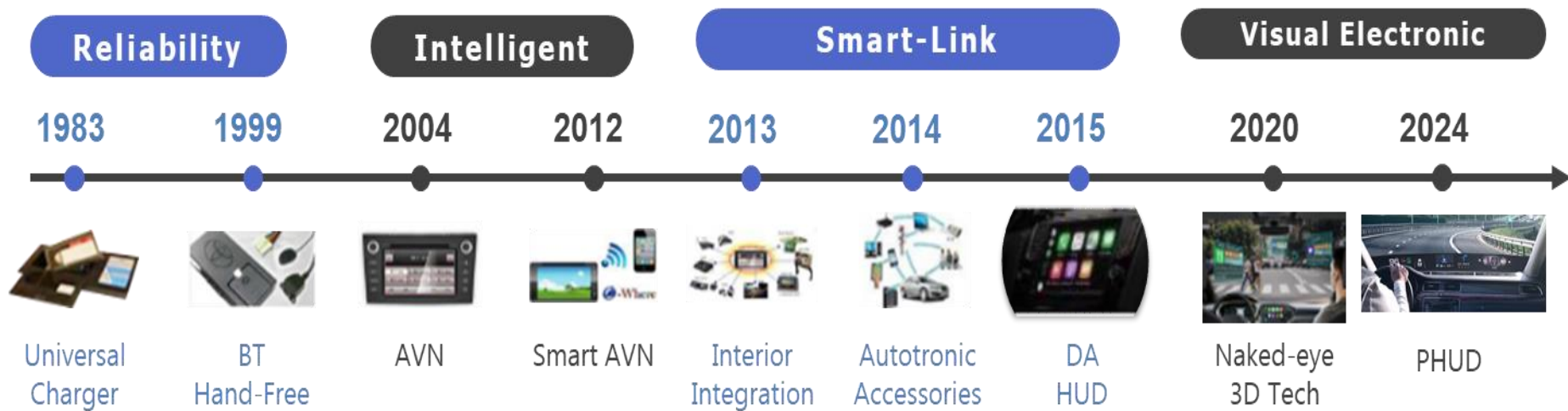
怡利泰國

泰國廠

SMT line X 1
組裝線 x 12



車載主機、後座娛樂系統、環景系統、倒車顯影、前擋玻璃抬頭顯示器、盲區偵測系統、車用無線充電器、行車記錄器、電子後視鏡



認證項目	原始取得日期	認證單位
ISO 9001	Oct. 1999	LRQA
ISO 14001	Aug. 2001	LRQA
IATF 16949 (ISO/TS 16949)	May 2018 Oct. 2004	LRQA
ISO 45001 (OHSAS 18001)	Oct. 2018 Mar. 2004	LRQA
Ford Q1	Jun. 2004	FORD
VW 6.3 (POT Analysis)	Feb. 2017	VW
VDA 6.3 process auditor VDA6.5/PSB	Jun. 2017	VDA QMC
ISO26262 process certification	May 2018	SGS-TUV Saar
ISO 17025	Feb. 2018	TAF
TISAX Level 3 + Prototype Protection	Dec. 2021	TUV
ASPICE(ISO/IEC 330xx)	Mar. 2022	DEKRA
ANSI/ESD S20.20	Aug. 2023	SGS
CyberSecurity (ISO 21434)	Dec. 2023	DEKRA



HUD



INFOTAINMENT



ADAS



ACCESSORIES

- 大陸市場

WHUD / 2D ARHUD / 3D Spatial Vision HUD(POC) /
VPA(POC) / PHUD

自主品牌→自主品牌+合資品牌

- 台灣、東南亞市場+印度

INFOTAINMENT / ADAS /
WHUD / 2D ARHUD /
ACCESSORIES / 二輪車用電子



- 歐美市場

WHUD / 2D ARHUD / 3D Spatial Vision HUD(POC) / PHUD

Universal Type

OES Customized Reflective/C/W HUD

OE Design-in W/AR-HUD Lite

Innovative 3D Spatial Vision Tech

2011
Accessory



2012
OES
HUD



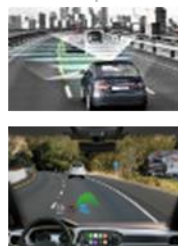
2015
OES
CHUD



2016
OES
WHUD



2017~2022
OE WHUD/AR HUD

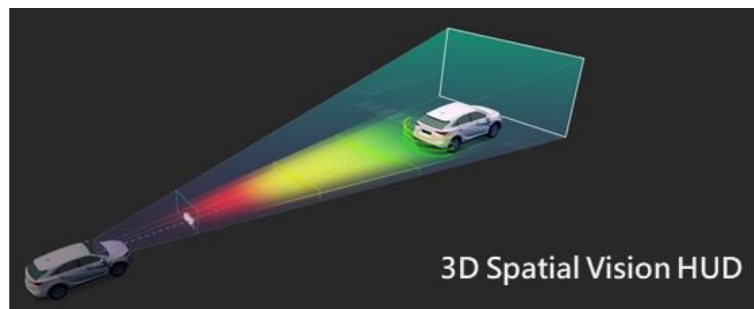


2024~
Future
Trend



目前主要市場主流WHUD將會被AR HUD取代，而3D Spatial Vision HUD將逐步取代市場上的2D AR HUD。

優點：體積小、成像距離可變動調節、精準對位



3D Spatial Vision HUD



Smart Cockpit



VPA (AI)

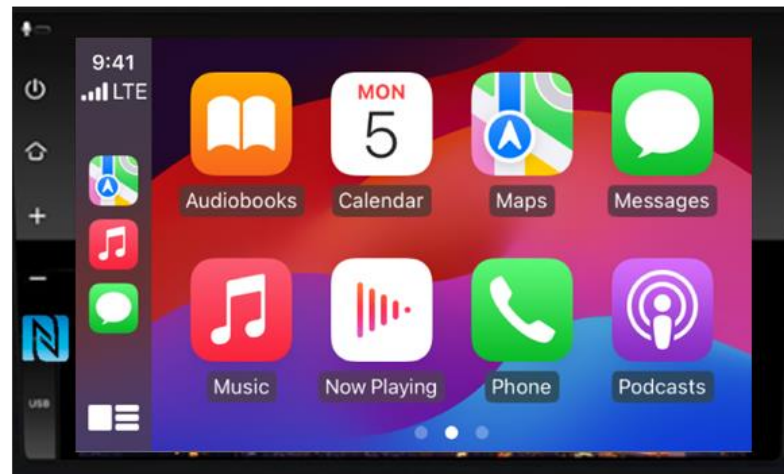


Panoramic Display (PHUD)

- By NFC on DA, automatically wake up WiFi for Apple CarPlay and Android Auto connection



By NFC for
WiFi pairing



LCD Size	10.1"	10.25"	12.3"
Resolution	WXGA (1280 × 800), IPS	Wide-HD (1920 × 720), IPS	Wide-HD (1920 × 720), IPS
Aspect Ratio	16 : 10	8 : 3	8 : 3

Security

- ISO 21434 Cyber Security supported

Large Display

- Demand for supporting higher resolution TFT

Connectivity

- Wired/wireless Weblink smartphone mirroring supported



weblink host app



Advanced

- PVM computing power ready

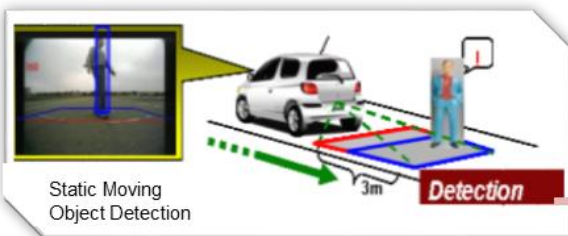
Value-added

- ADAS option with no additional hardware cost by utilizing the PVM cameras with high performance SoC

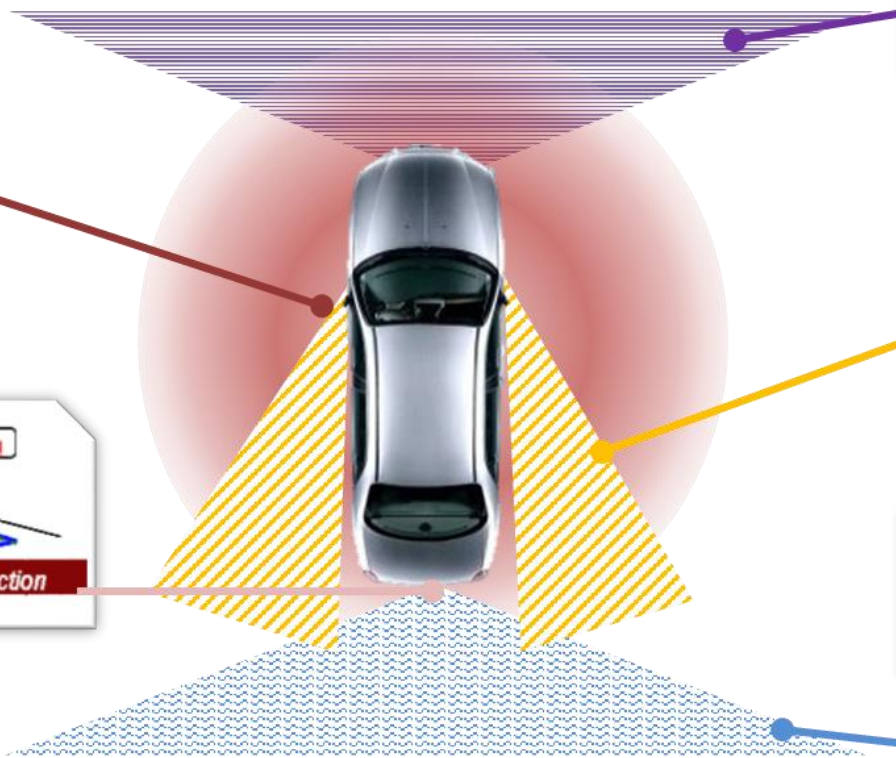
Utilize PVM cameras & new SOC computing power
→ No extra hardware cost needed.



PVM



S-MOD



LDW



BSD



RCTA

2025

13.3" High Definition Display

- Resolution: FHD 1920 x 1080
- Support:
 - Wi-Fi – Miracast
 - USB mirroring for both Android & iOS
- HDMI input
- External connection for USB/AV IN



2026

Ultra Wide Angle RSE

- Display size: Customized



HDMI Input



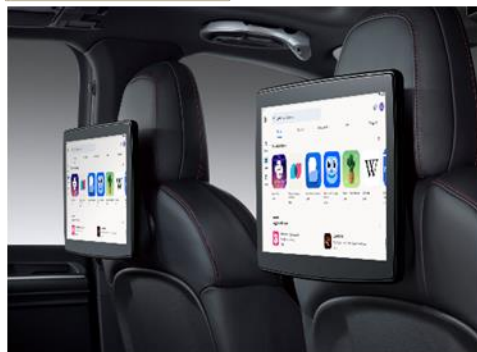
- High-definition video output
- Connectivity to various devices
- Clearer, more vivid visual experience

Wireless Mirroring



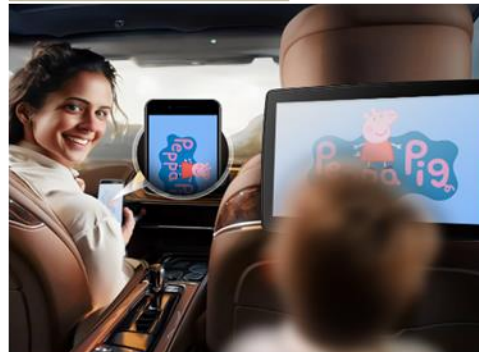
- Watch video / Browse photos / Play media seamlessly
- iOS / Android compatible

Google Play



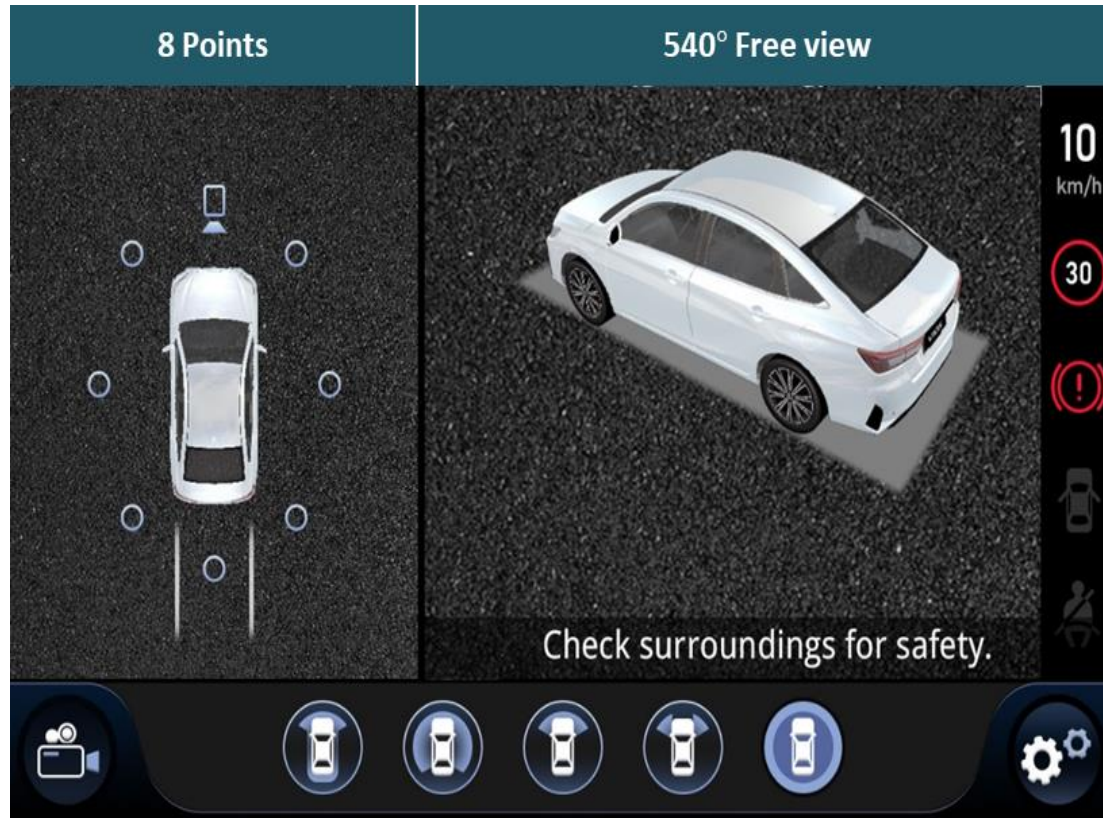
- Easy access to apps, games or multimedia
- Personalized entertainment experience

Remote Control



- Parents are allowed to control remotely with mobile phone
- This function required mobile phone with apps downloaded in App Store or Google Play

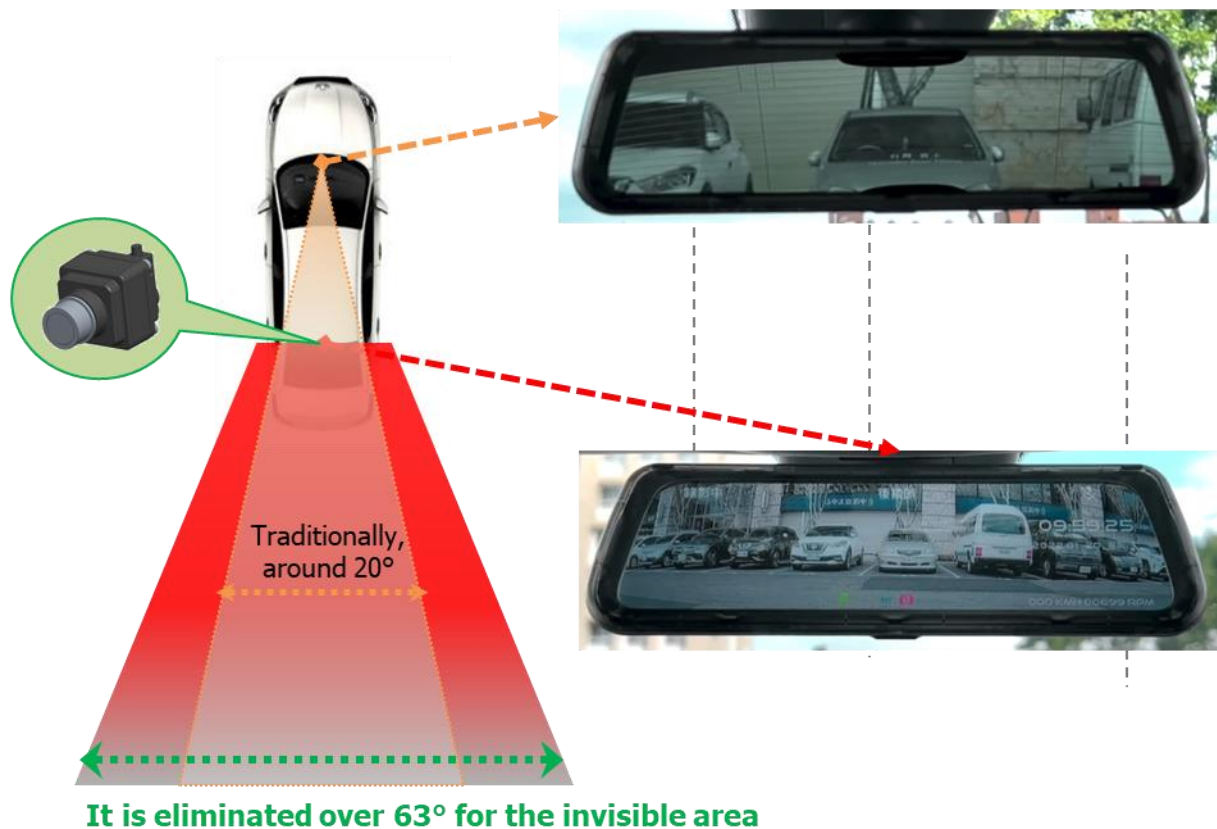




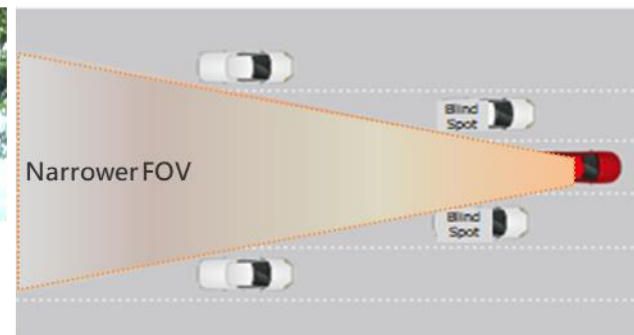
When sliding the 3D view at a 540-degree angle, you can touch on any of the eight points on the 2D interface at any time to reset the screen to a fixed position.

The appearance of digital rearview mirror is small
It is beneficial to shuttle through narrow alleys and effectively reduce the dead angle of the A-pillar of the body

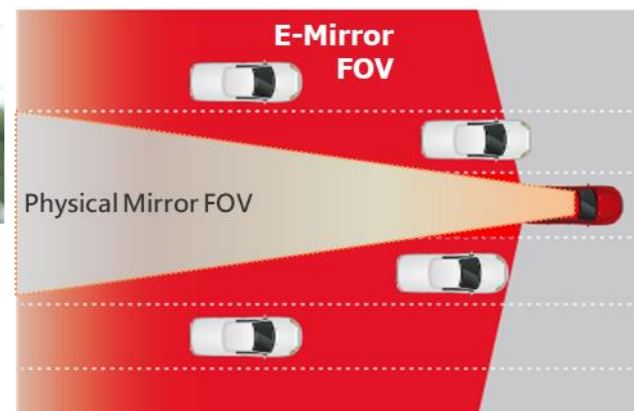




Traditional IRVM FOV



E-Mirror FOV





①Smart App



②Set-up



③Sensing



④Warning



⑤Video to Cloud



⑥Notification



⑦Live viewing



ULTIMATE UTILIZE DESIGN

Utilize Function – Provides charging for both the driver and passenger

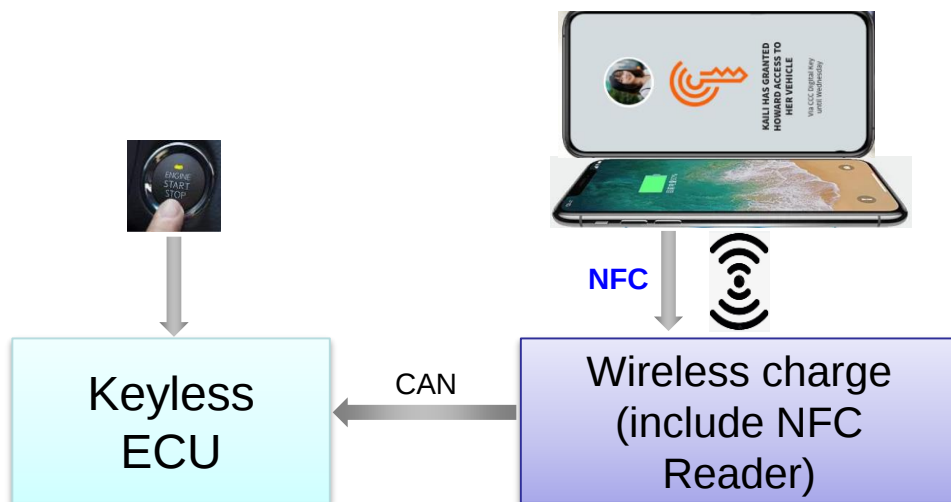
Benefit

The design aims to be utilize function and more apply usage

- Maximum usage - Charging 2 phones at one time
- Time Save! - Only one single time require for development and Qi2.0 certificate



Wireless Charger



During the wireless charging process, the smartphone acquires the NFC ID code, then sends the ID code to the Keyless ECU through CAN. Once the ECU verifies the ID as OK, it allows the user to start the engine.



2025年01-02月中國大陸汽車銷售量

單位：千輛

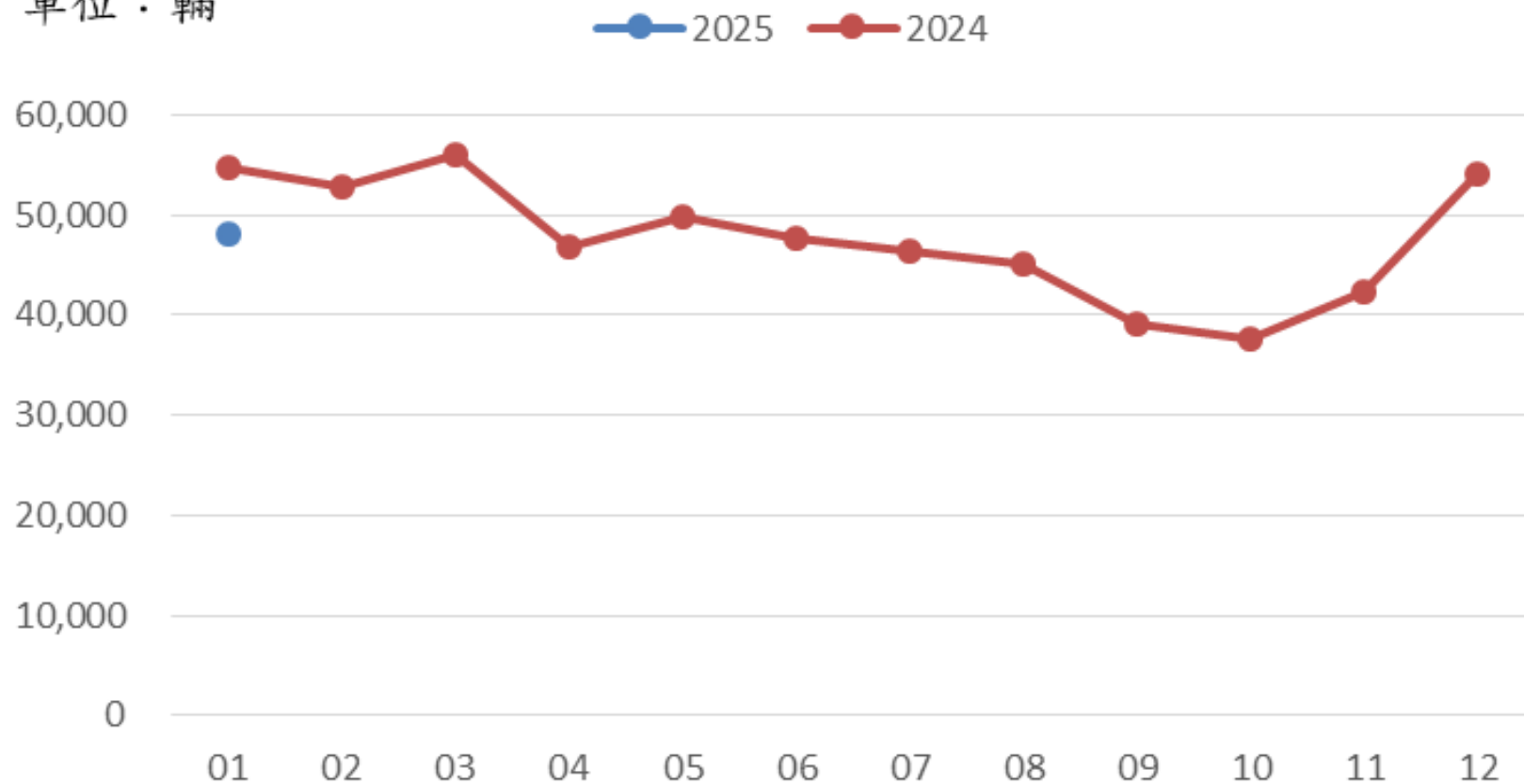
—●— 2025 —●— 2024



資料來源：https://www.marklines.com/cn/statistics/flash_sales/automotive-sales-in-china-by-month
全球汽車產業平台MARKLINES

2025年01-01月泰國汽車銷售量

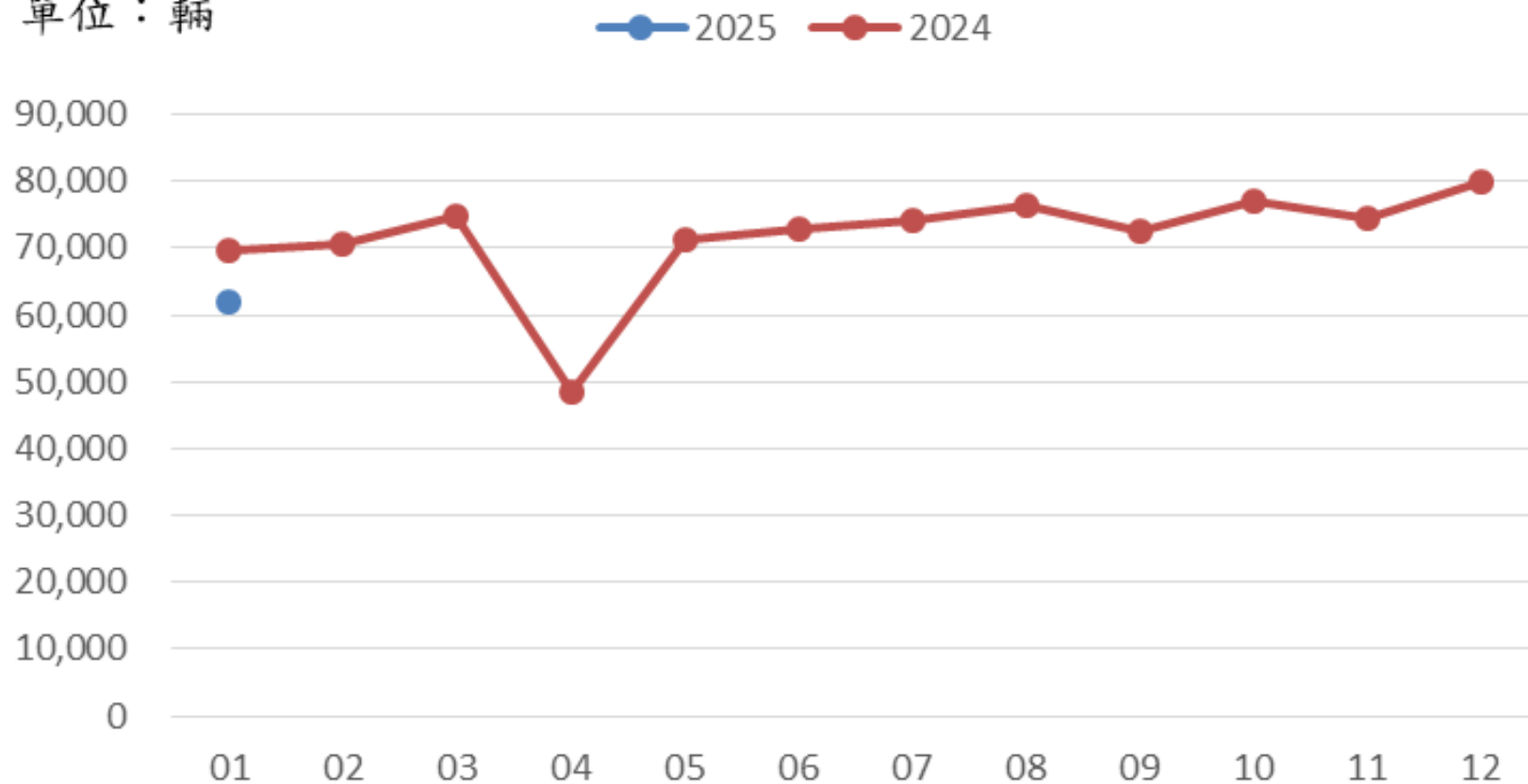
單位：輛



資料來源：https://www.marklines.com/cn/statistics/flash_sales/automotive-sales-in-thailand-by-month
全球汽車產業平台MARKLINES

2025年01-01月印尼汽車銷售量

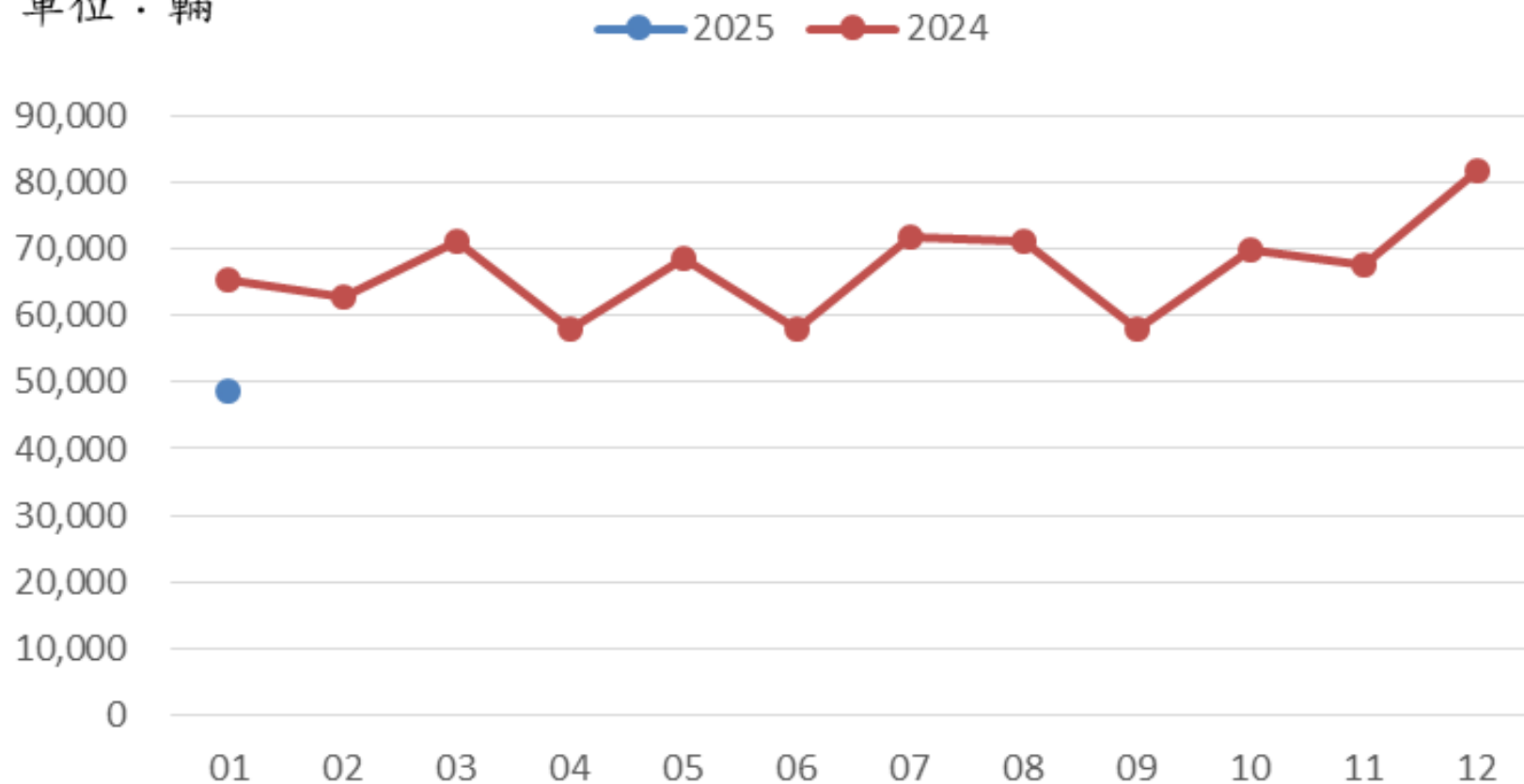
單位：輛



資料來源：https://www.marklines.com/cn/statistics/flash_sales/automotive-sales-in-indonesia-by-month
全球汽車產業平台MARKLINES

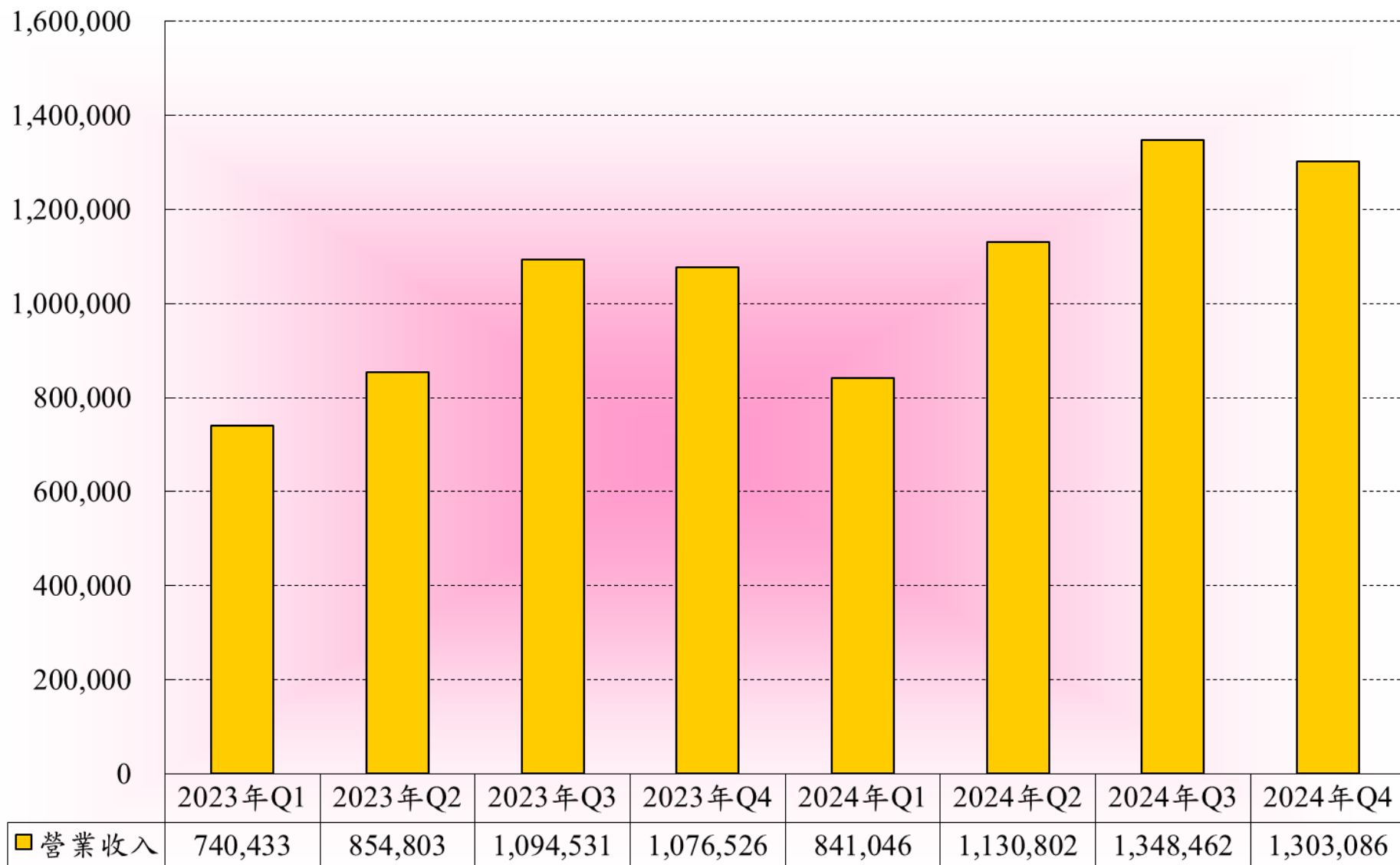
2025年01-01月馬來西亞汽車銷售量

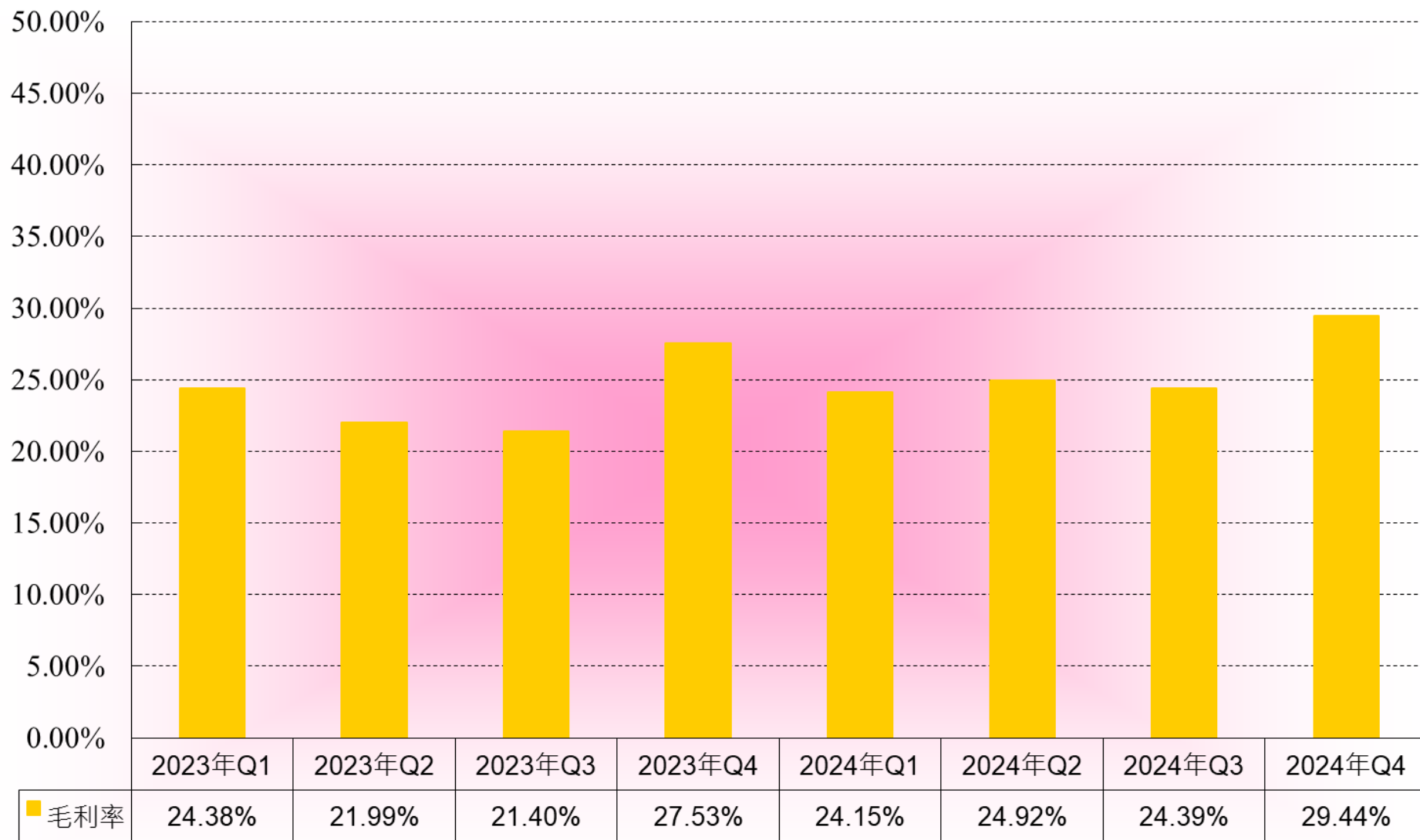
單位：輛



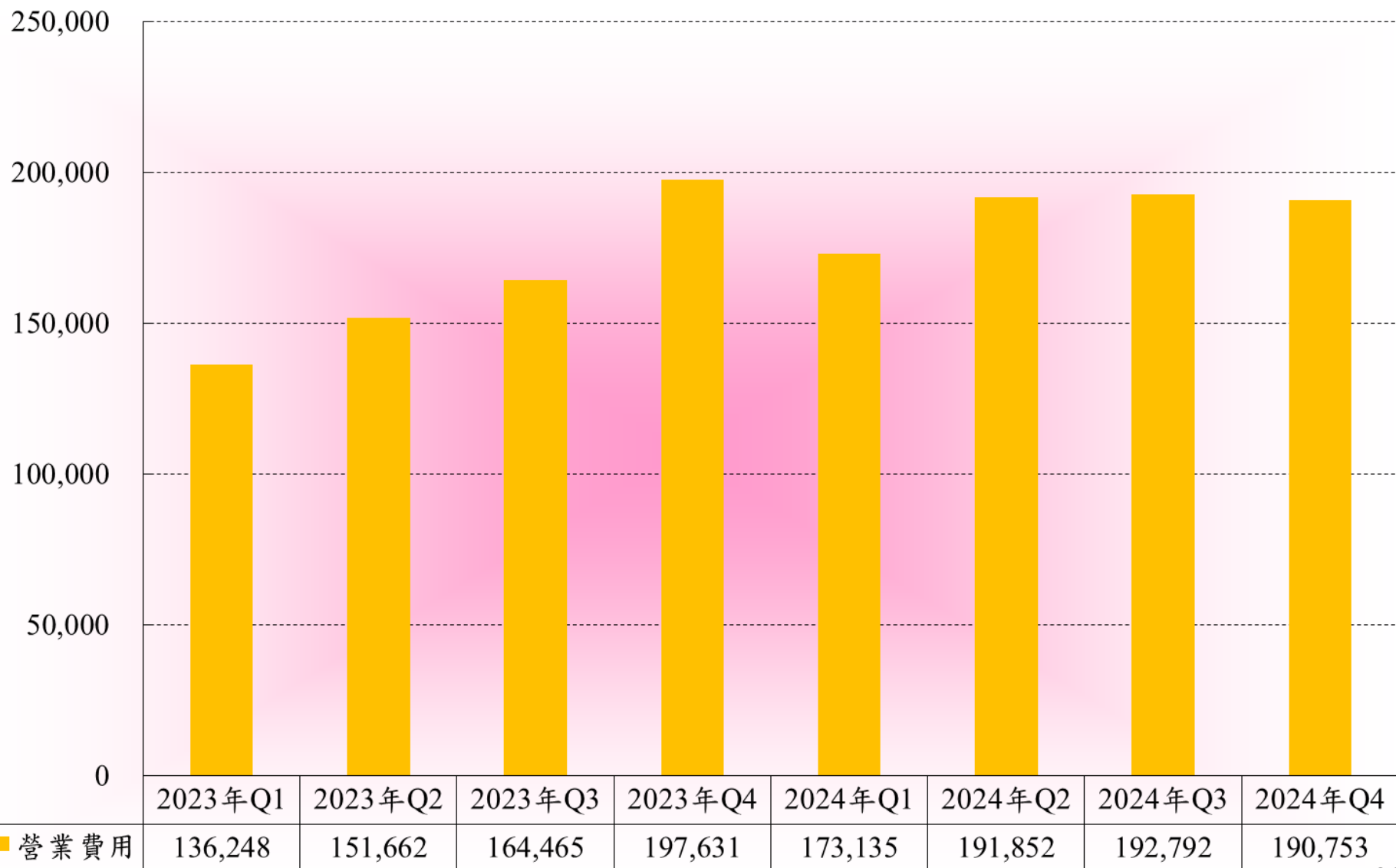
資料來源：https://www.marklines.com/cn/statistics/flash_sales/automotive-sales-in-malaysia-by-month
全球汽車產業平台MARKLINES

單位：新台幣千元

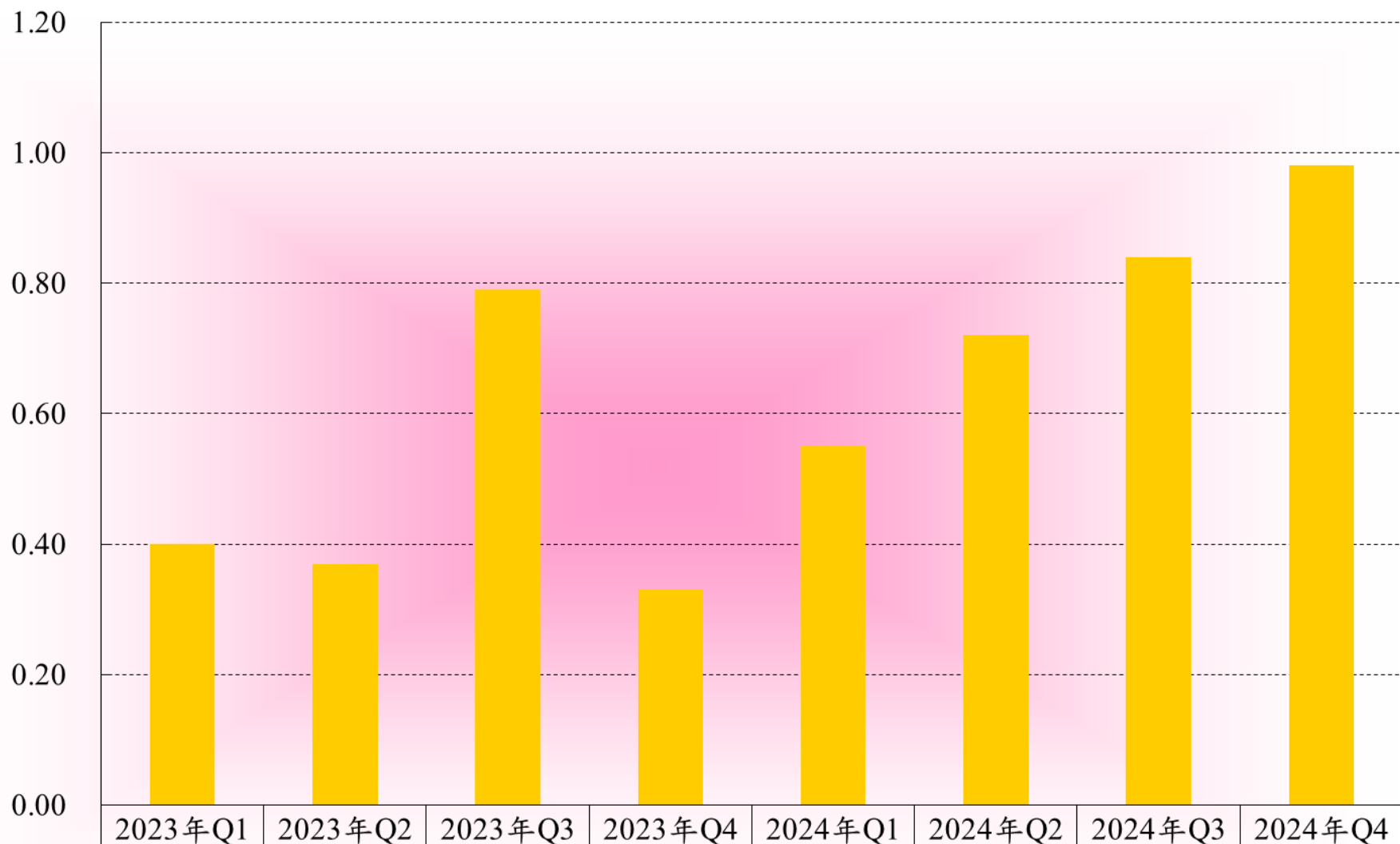




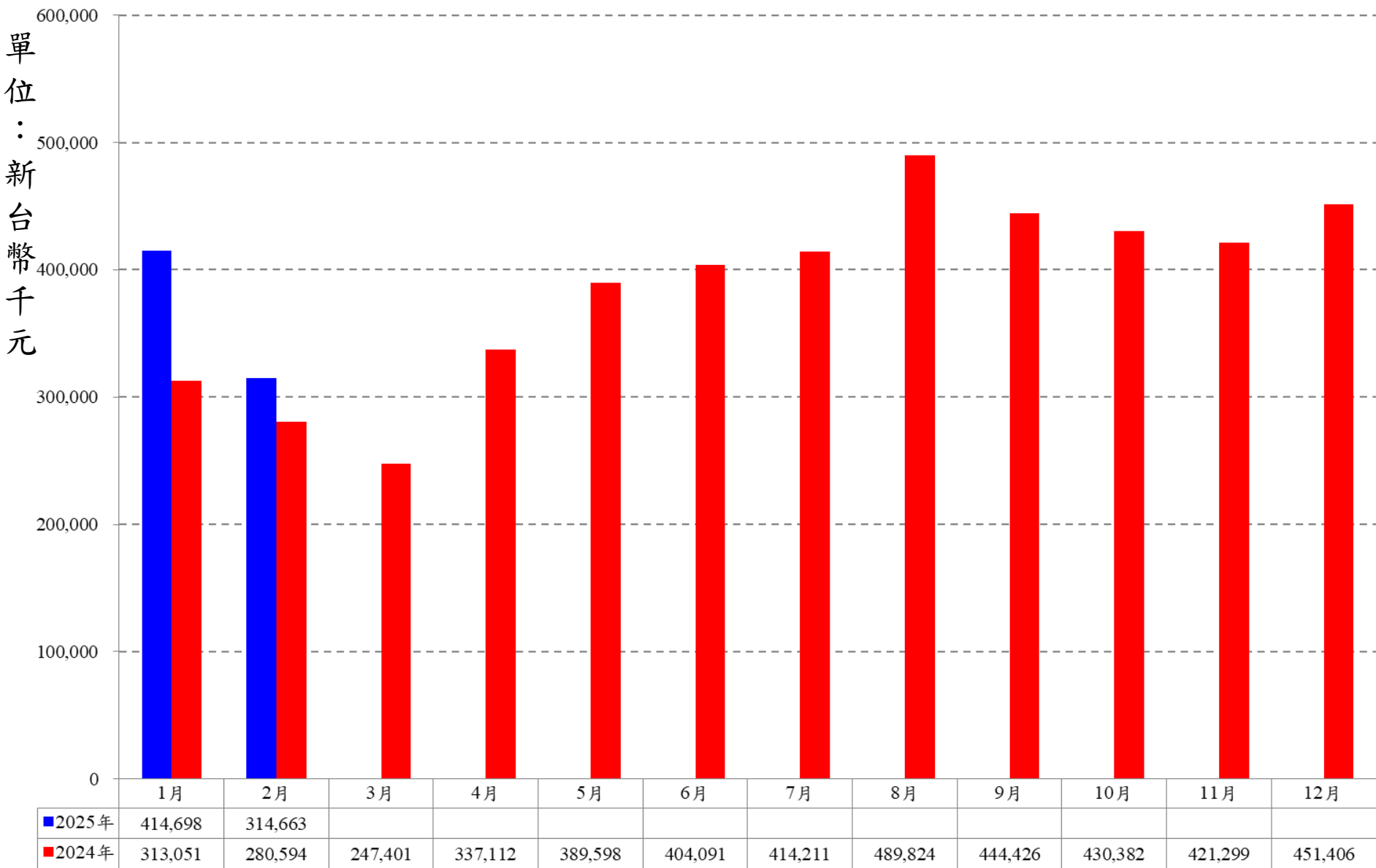
單位：
新台幣千元



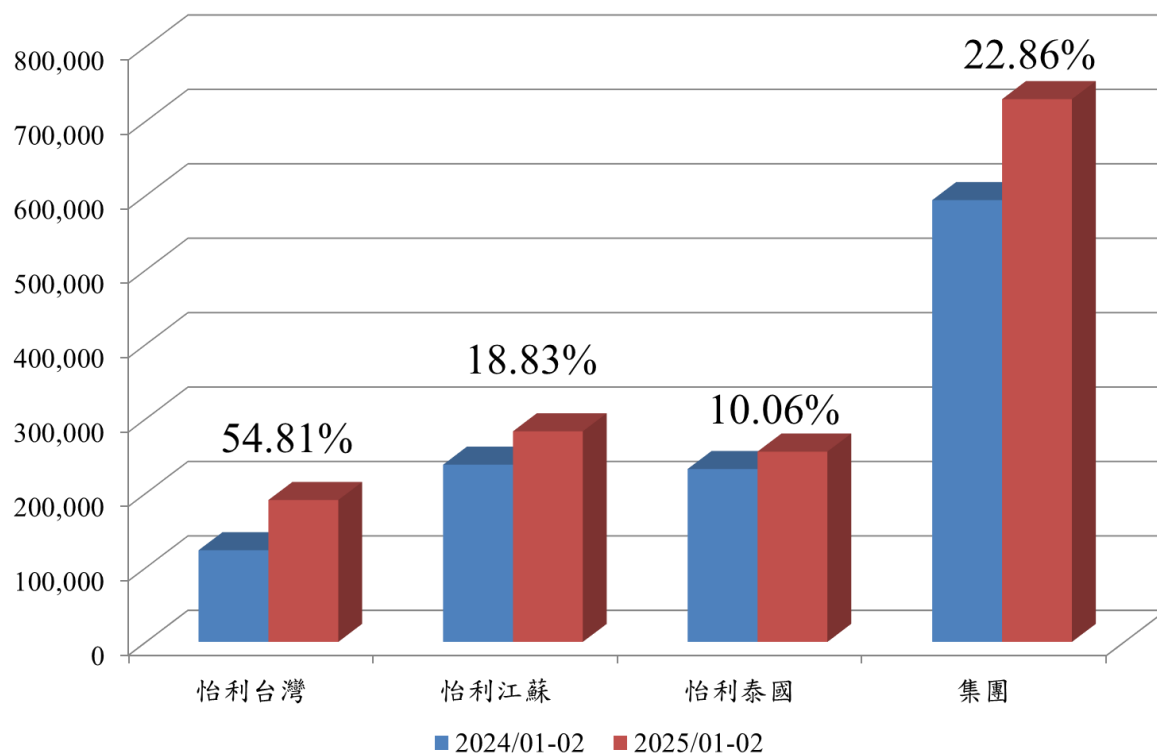
單位：
新台幣元



■ 每股盈餘

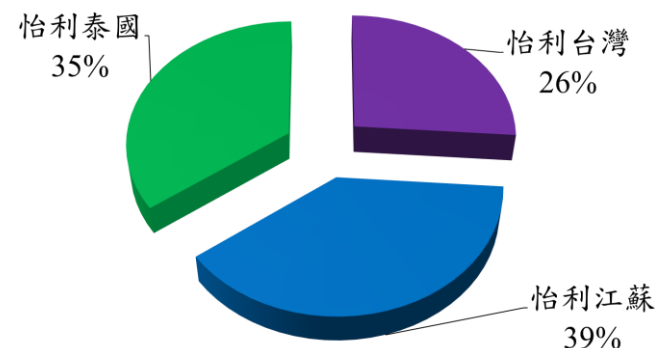


成長性

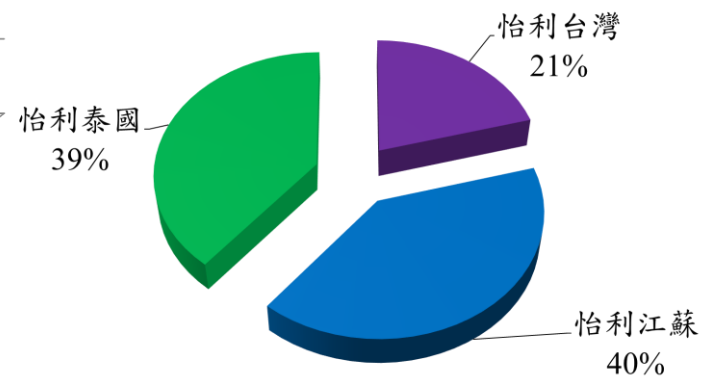


佔比

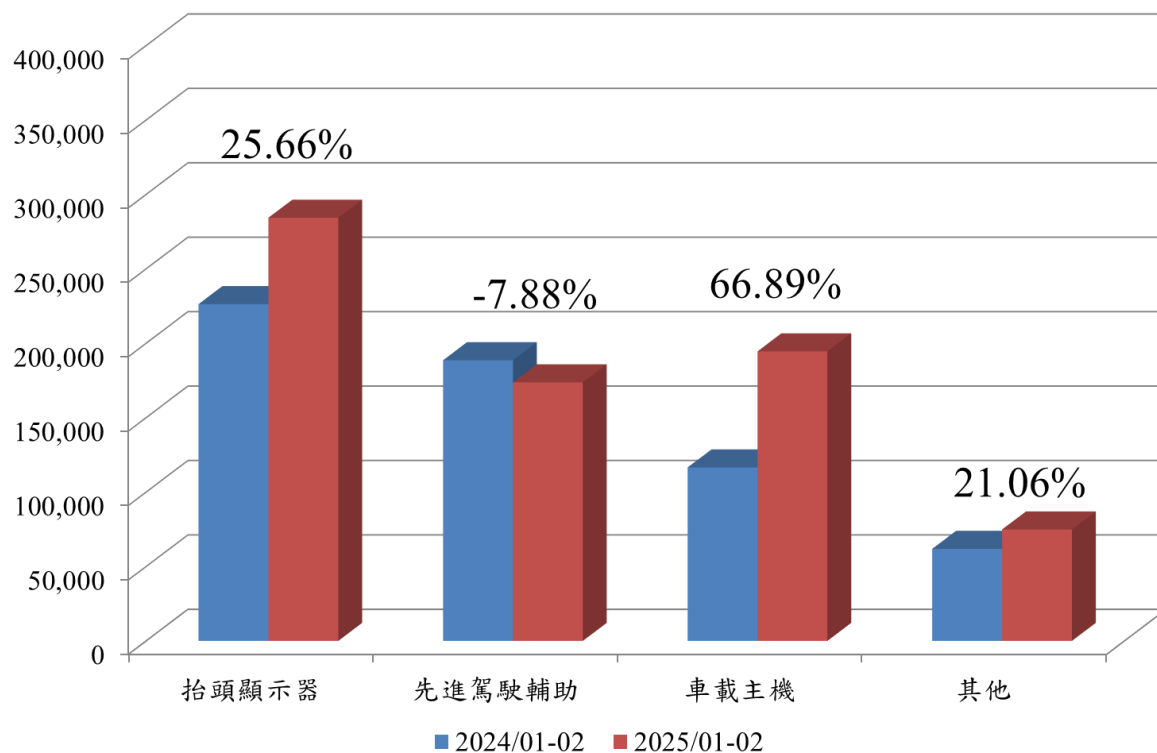
2025/01-02各營運中心營收佔比



2024/01-02各營運中心營收佔比

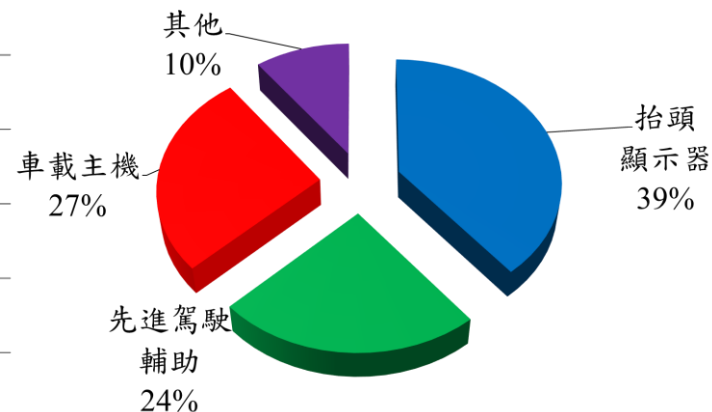


成長性

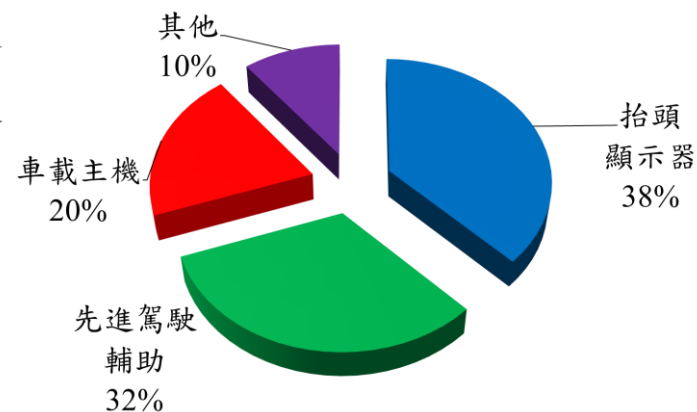


佔比

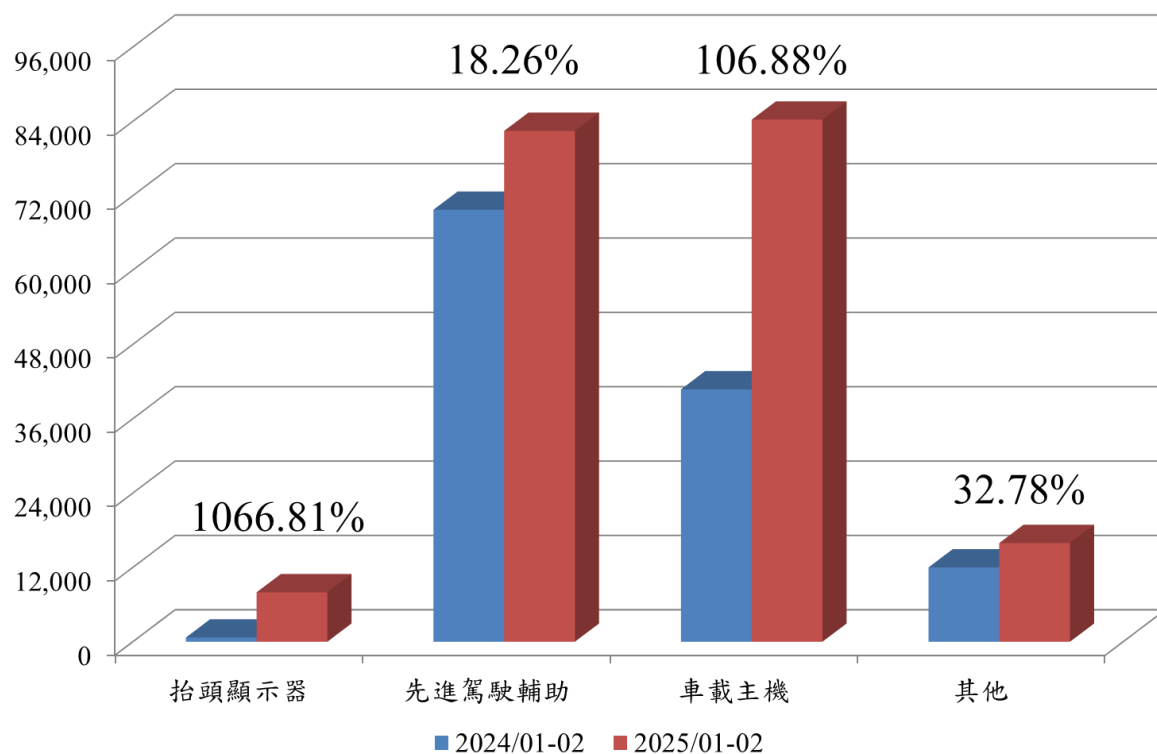
2025/01-02集團產品類別營收佔比



2024/01-02集團產品類別營收佔比

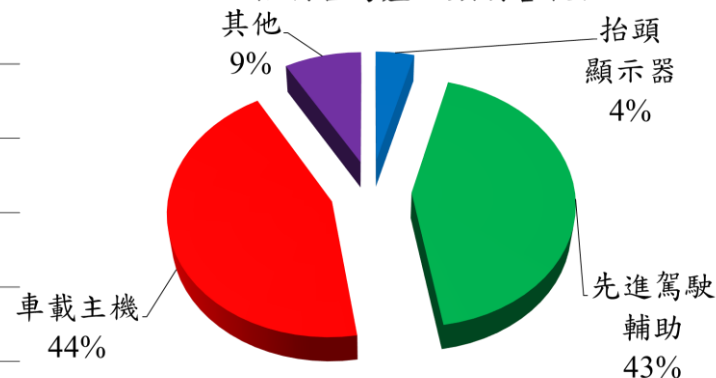


成長性

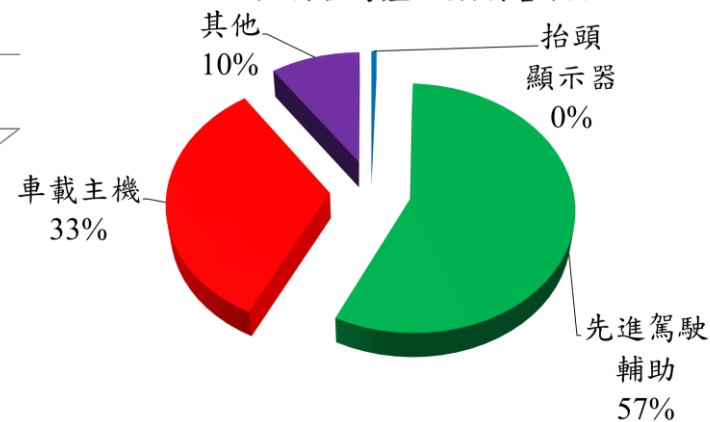


佔比

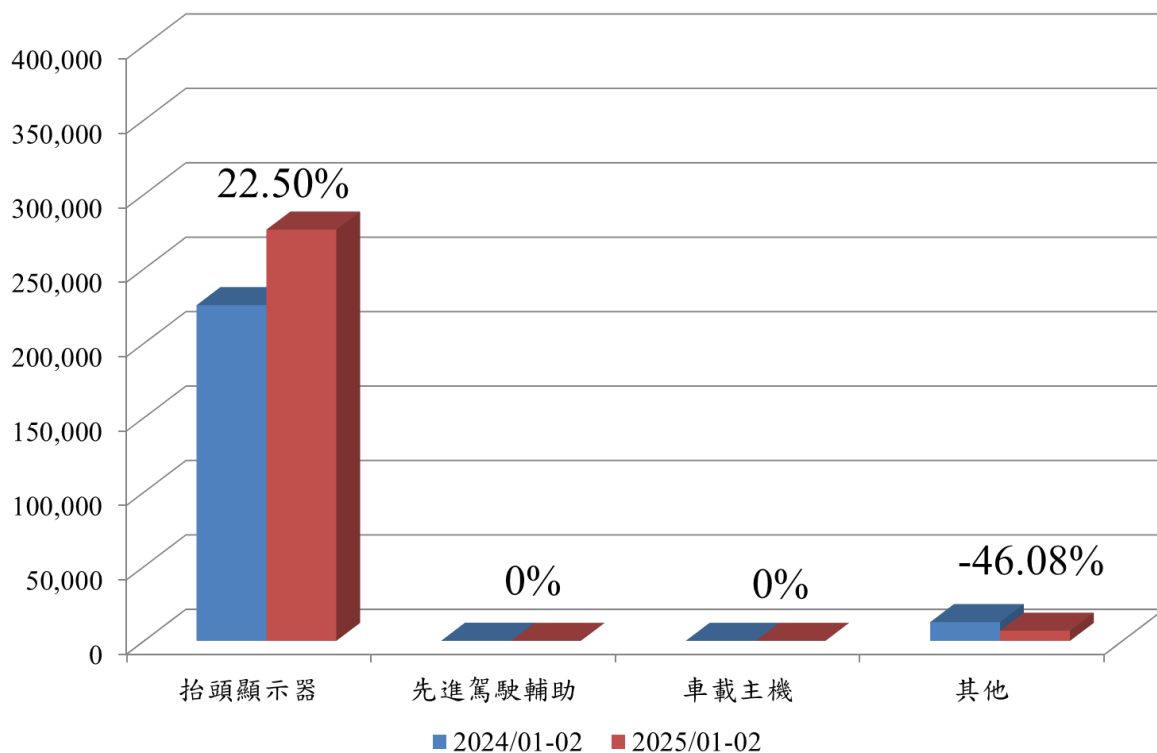
2025/01-02 怡利台灣產品類別營收佔比



2024/01-02 怡利台灣產品類別營收佔比

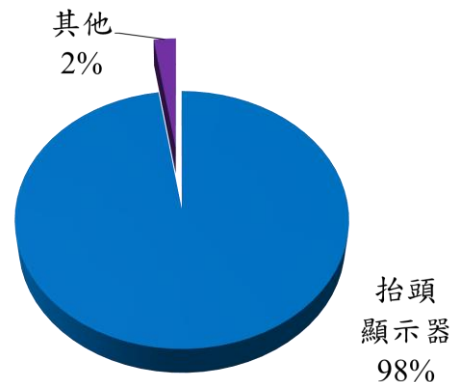


成長性

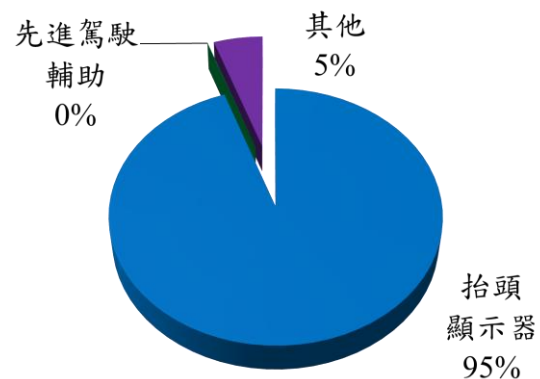


佔比

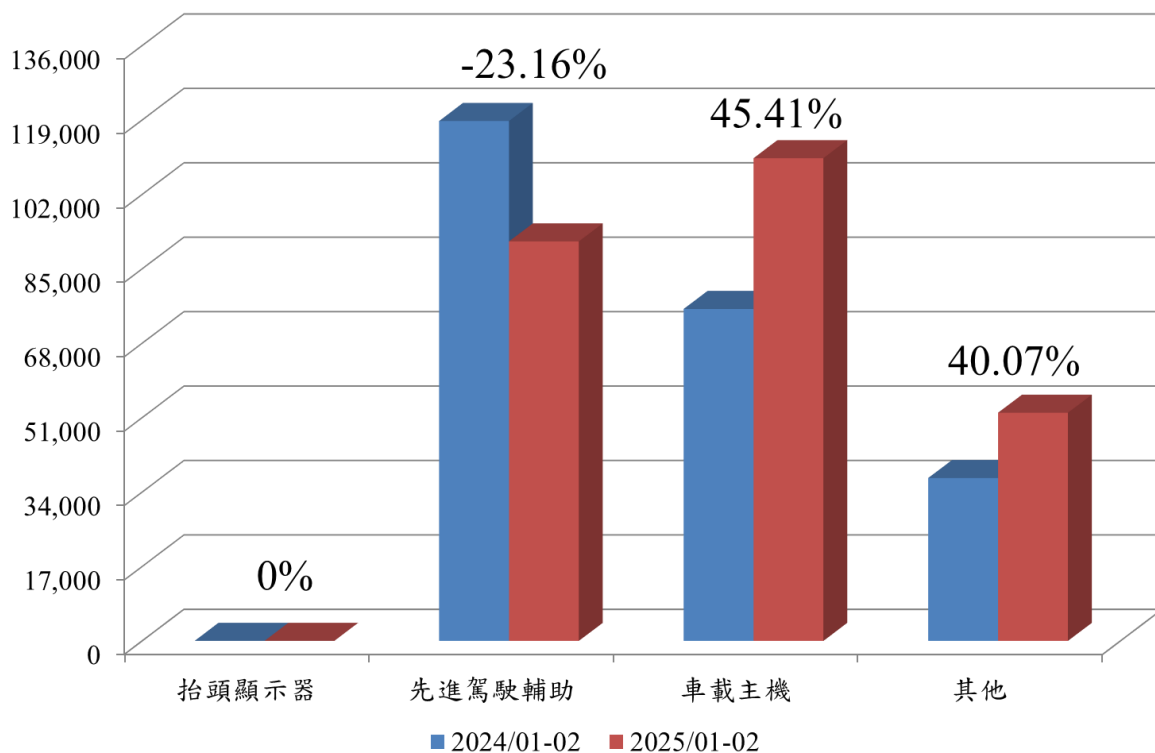
2025/01-02怡利江蘇產品類別營收佔比



2024/01-02怡利江蘇產品類別營收佔比

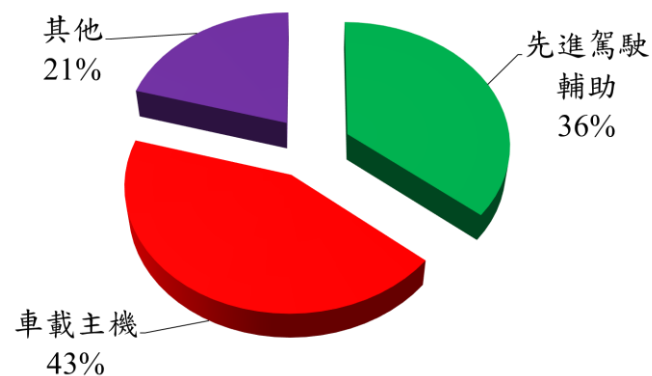


成長性

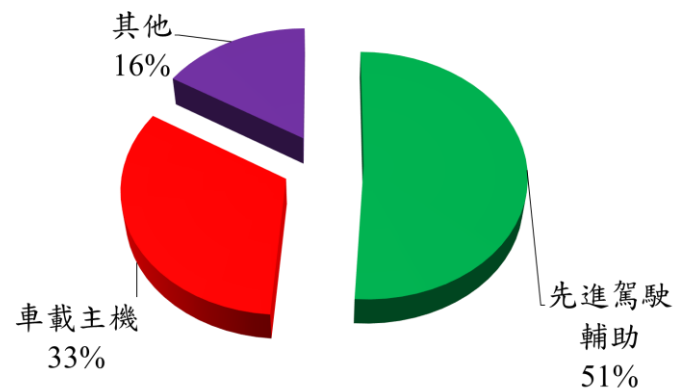


佔比

2025/01-02怡利泰國產品類別營收佔比



2024/01-02怡利泰國產品類別營收佔比



Thank you

敬請指教