

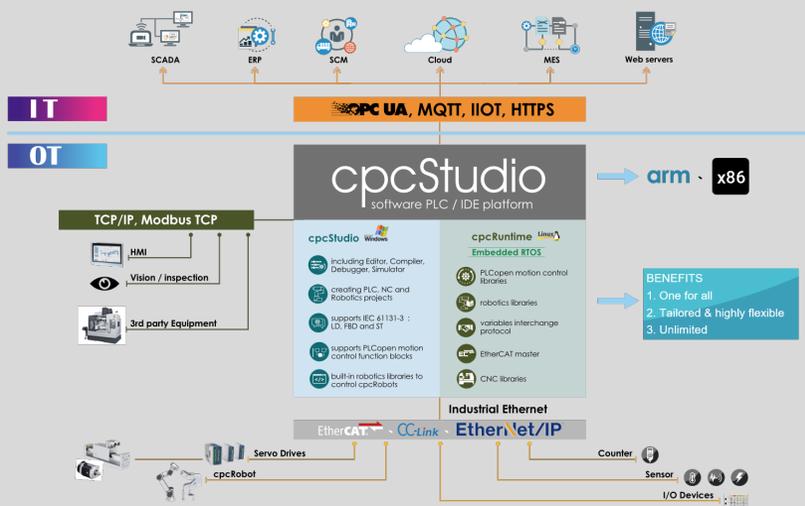


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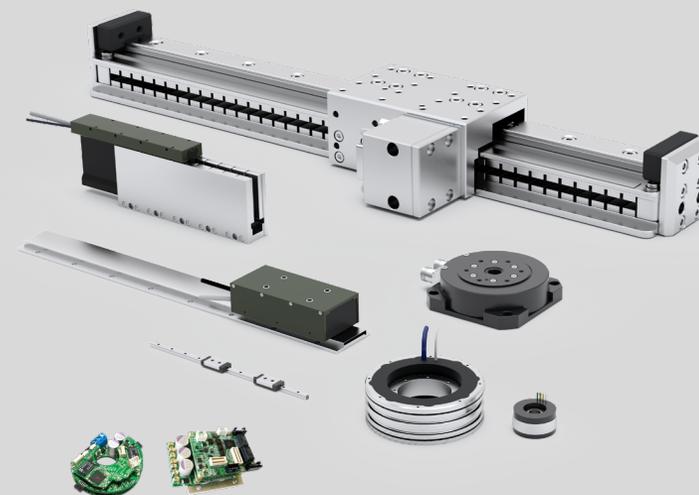
cpcRobot



cpcStudio



cpcCells



報告人：許心璞 總經理特別助理

cpc's Founders



Angelika Chen

Chairperson & CEO

Art History of Universität Stuttgart



Anton Hsu

President

Diplom Ingenieur of Mechanical Engineering of
Universität Stuttgart

MILESTONE



2018 → 智慧製造軟體、硬體開發

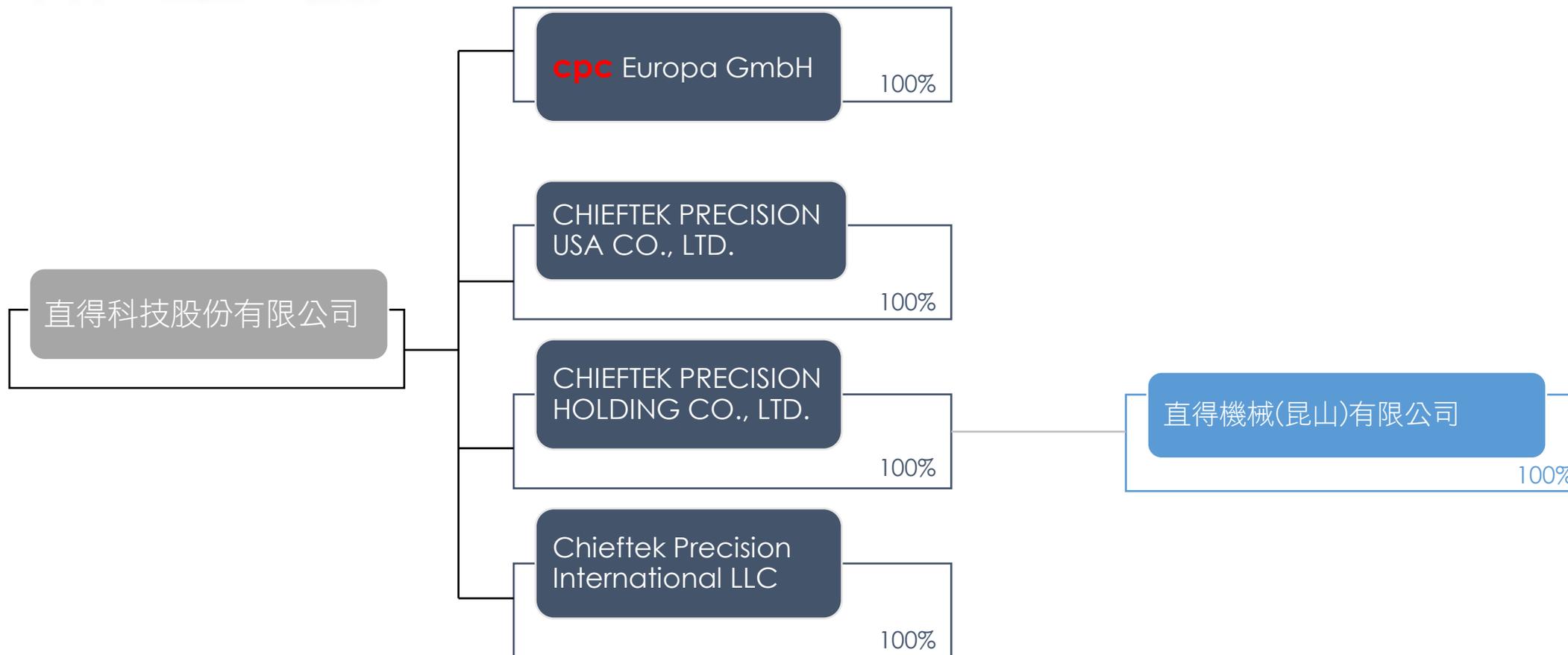
直得科技成立	美國子公司成立 cpc USA 中國子公司成立 cpc China	cpc 新廠擴張	MMLS / CLS 線性馬達模組及 平台正式量產	Size 2 微型線性滑軌 開始量產	推出新系列 cpcRobot 微型六軸機械臂和 cpcStudio 軟體PLC/IDE平台	cpcRobot AI視覺開發 cpcCells 交叉滾子開發	
2005	2010	2012		2020			
1998	2008	2011	2016	2019	2021	2022	2024
	設廠於台南科學園區	歐洲子公司成立 cpc Europa GmbH	cpc 直得科技上櫃		cpc 直得科技上市	cpcRobot 自動換刀系統	

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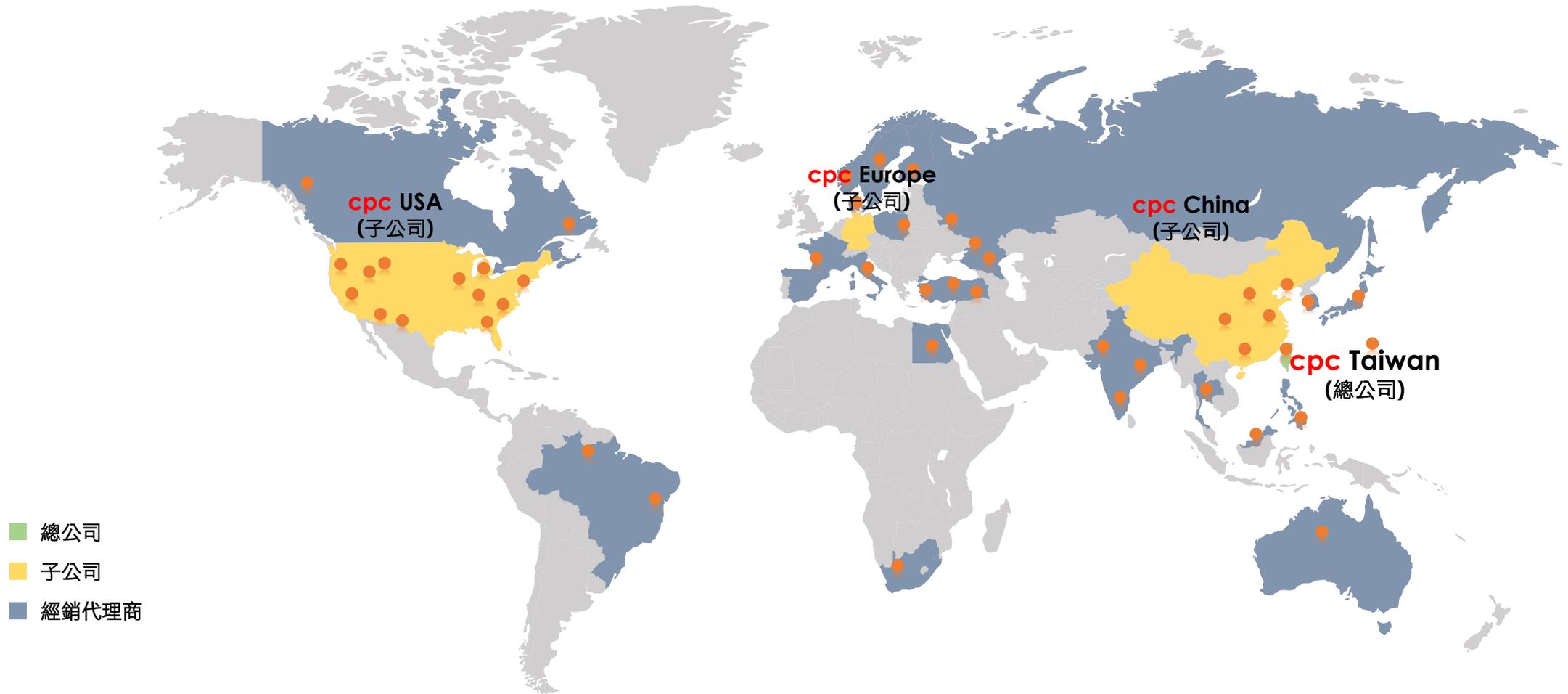
公司架構



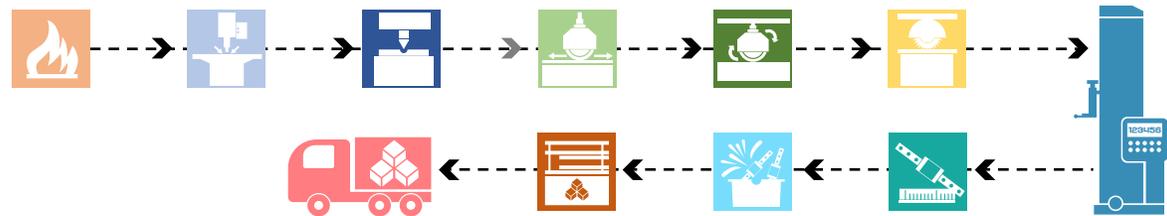
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cpc 全球據點



cpc 台灣總公司



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樹谷一、二廠

太陽能總發電量 1.35MW



cpc 樹谷智慧工廠架構內容



cpc 設備自動化

1. 原物料自動化 (自動倉儲、自走車、自動搬運系統)
2. 設備自動化 (處理系統中央化 - 冷卻、排氣、過濾、廢料..)、(元件/驅動/控制系統 - 整合統一平台)
3. 製程自動化 (加工程式管理、治具管理、刀具管理)
4. QC自動化 (自動量測紀錄、資料自動回饋、製程自動校正)
5. 組裝、包裝自動化

cpc 智慧管理

IIOT

資訊安全

遠端訂單

產能回報

監控室

生產計畫排程
(Production Planning & Scheduling)

製造執行系統 (MES)

物料管理 (MRP/LRP)

設備維護與即時監控

cpc USA



Warehouse



Sales



Finishing



Application Engineering



cpc China



Warehouse



Sales



Finishing



Application Engineering



cpc Europe



Warehouse



Sales



Finishing



Application Engineering



New Investment in Germany

cpc's new plant in Geisingen



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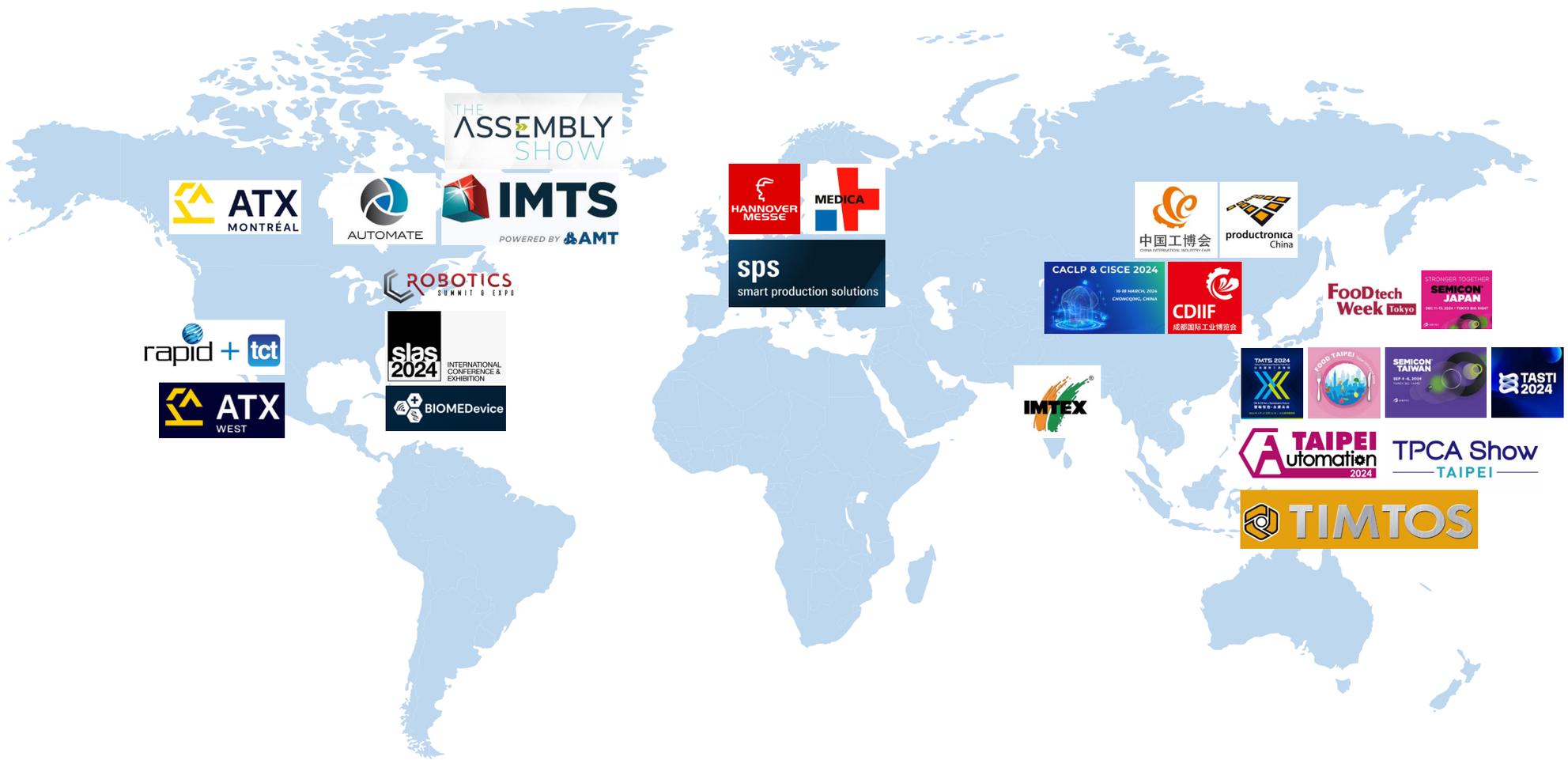
cpc's new plant in Geisingen



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cpc 全球展會活動



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cpcCells

線性滑軌系列、伺服馬達系列、
伺服驅動器系列、磁性編碼系統
線性 / 扭矩馬達模組系列



2021 Industrial automation Gold

cpcRobot

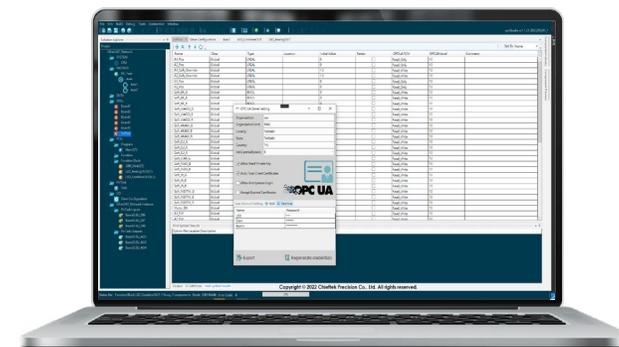
S0, DB0 微型6 軸機械手臂
ATC 自動換刀系統、VA 真空夾爪



cpcStudio

PLC / IDE platform

軟體 PLC / IDE 平台



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產品線布局與開發進展 / Cross Roller 交叉滾子

滾柱型滑軌開發持續進行

- ▶ 聚焦高剛性工具機市場，因應文高等級客戶之精密加工需求
- ▶ 強化負載能力與抗振性能，提升產品競爭力

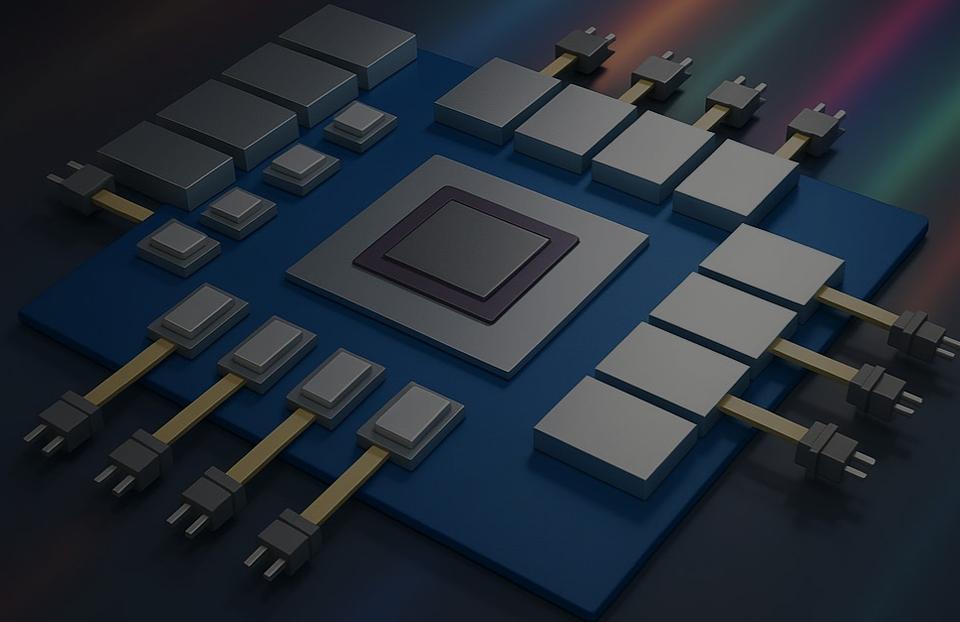


高精密度、使用壽命長

低噪音、摩擦阻力，無振動特性的直線運動

交叉滾子滑軌拓展新應用

- ▶ 導入至矽光子對位平台（光通訊設備）領域
- ▶ 鎖定次世代高速光電應用，創造差異化技術優勢



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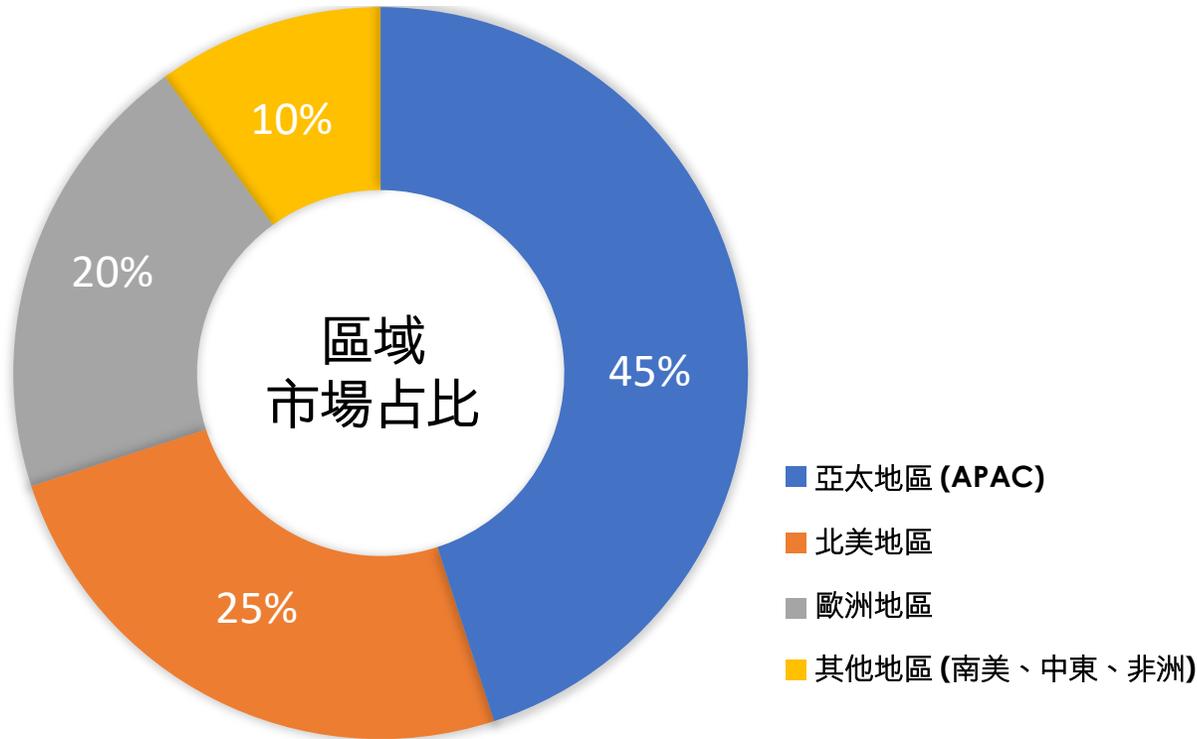
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產品線布局與開發進展 / Ball Screw 滾珠螺桿

高效率螺桿產品進入試產階段

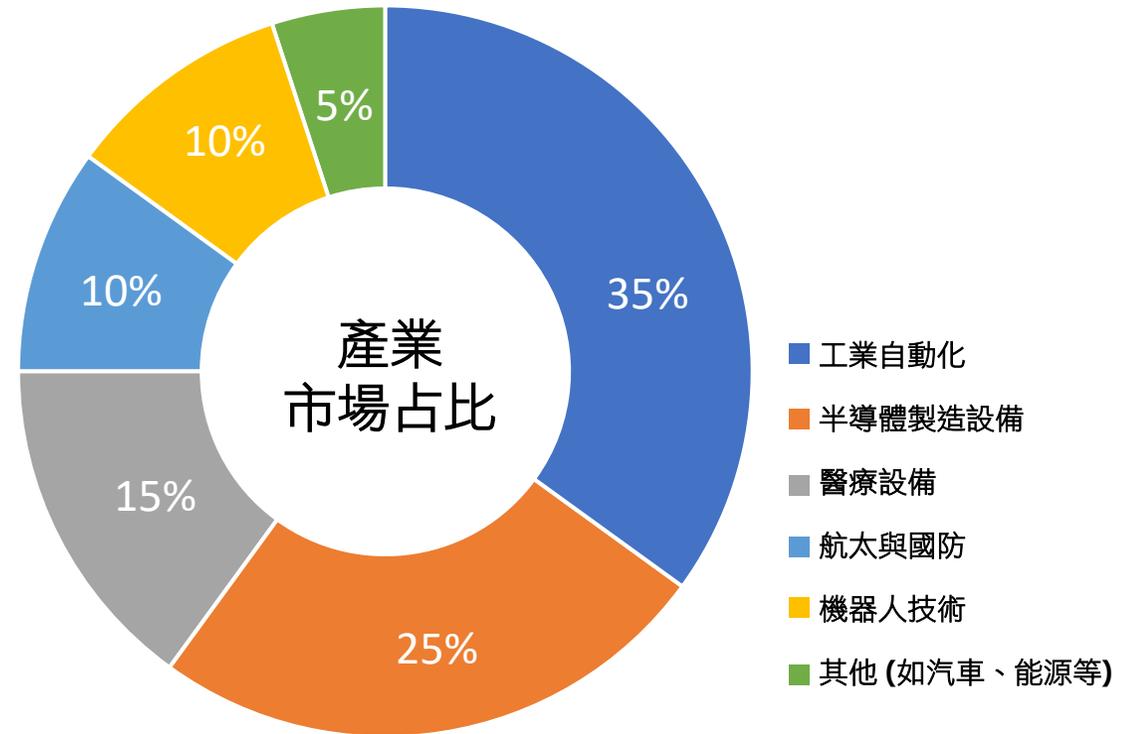
- ▶ 主力製程設備部署完成
- ▶ 正進行試產與精密調校，導向穩定量產



資料來源：IMARC Group、Market Research Future、The Business Research Company 等

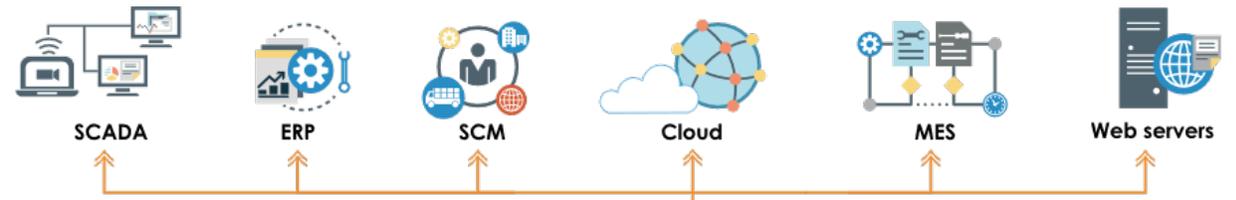
對接歐洲工具機市場

- ▶ 配合歐系客戶需求，提升精度與效率並重
- ▶ 布局高階傳動系統市場

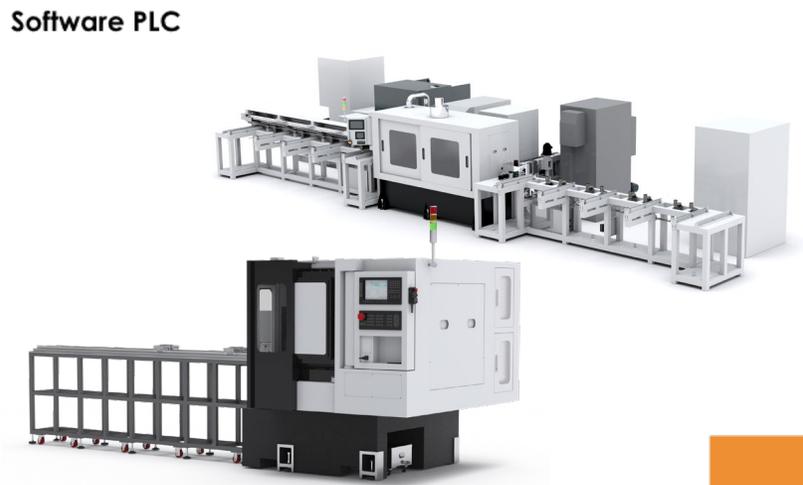


資料來源：Market Research Future、IMARC Group、Verified Market Research 等

Smart manufacturing



OPC UA, MQTT, IIOT, HTTPS



cpcStudio

software PLC / IDE platform

cpcStudio Windows	cpcRuntime Linux Embedded RTOS
including Editor, Compiler, Debugger, Simulator	PLCopen motion control libraries
creating PLC, NC and Robotics projects	robotics libraries
supports IEC 61131-3 : LD, FBD and ST	variables interchange protocol
supports PLCopen motion control function blocks	EtherCAT master
built-in robotics libraries to control cpcRobots	CNC libraries



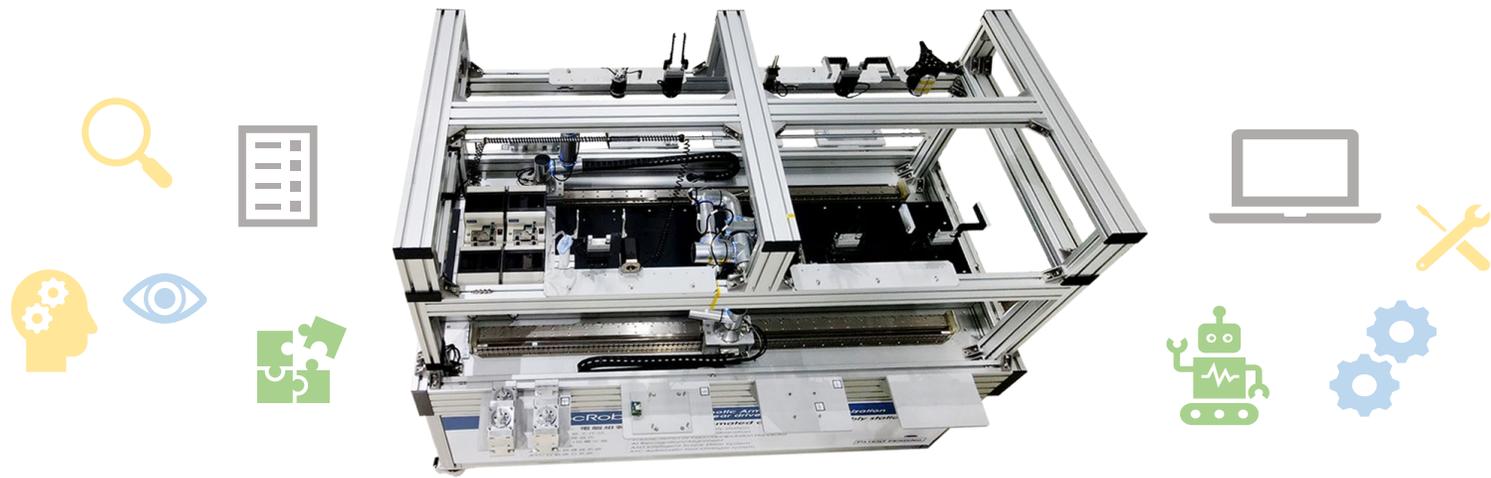
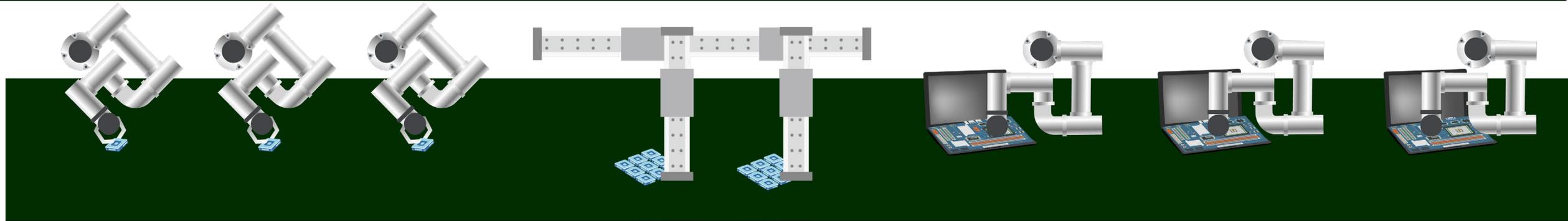
EtherCAT

Component Layer

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ATC fast automatic tool changer / Multi-tasks

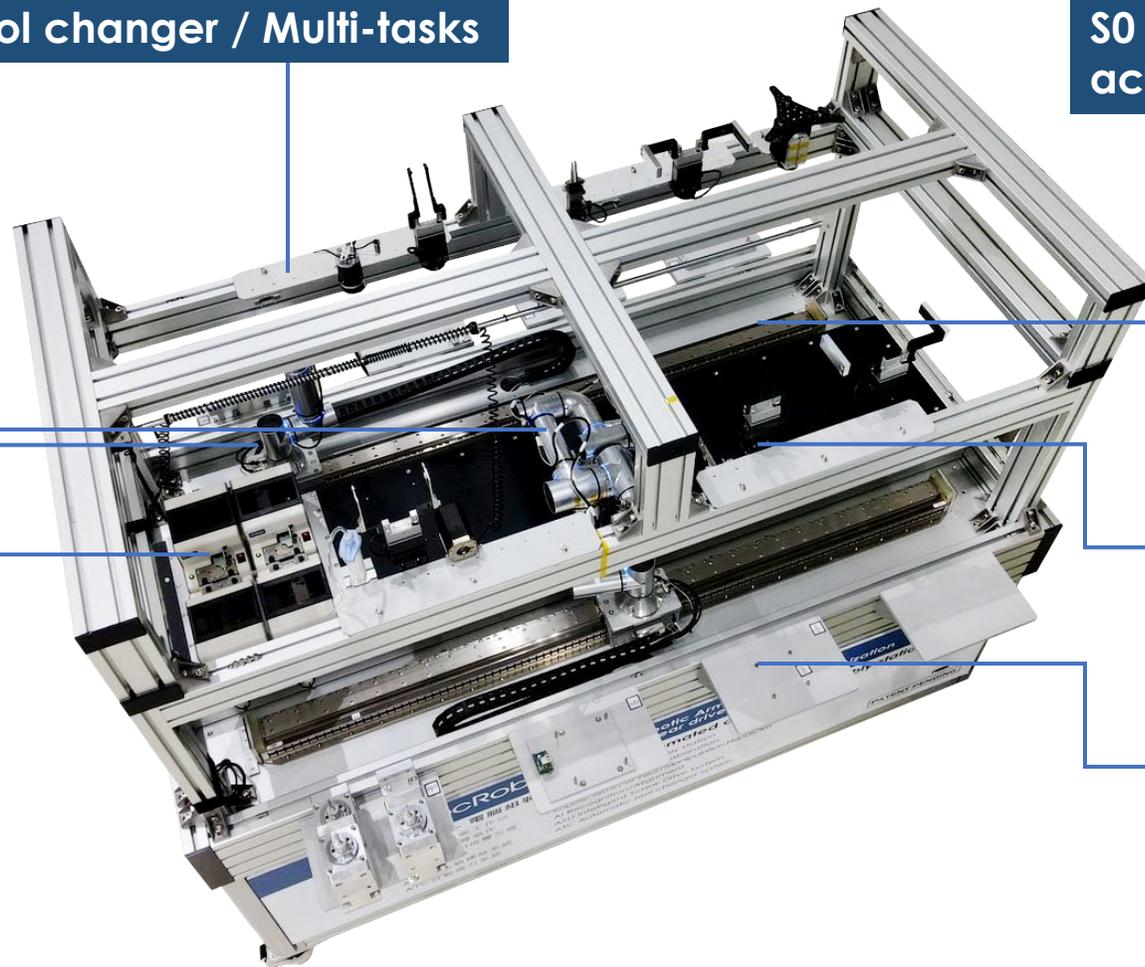
S0 6 DoF robot arm with linear actuators

Vision task

ASD automated screwdriving

Assembly area

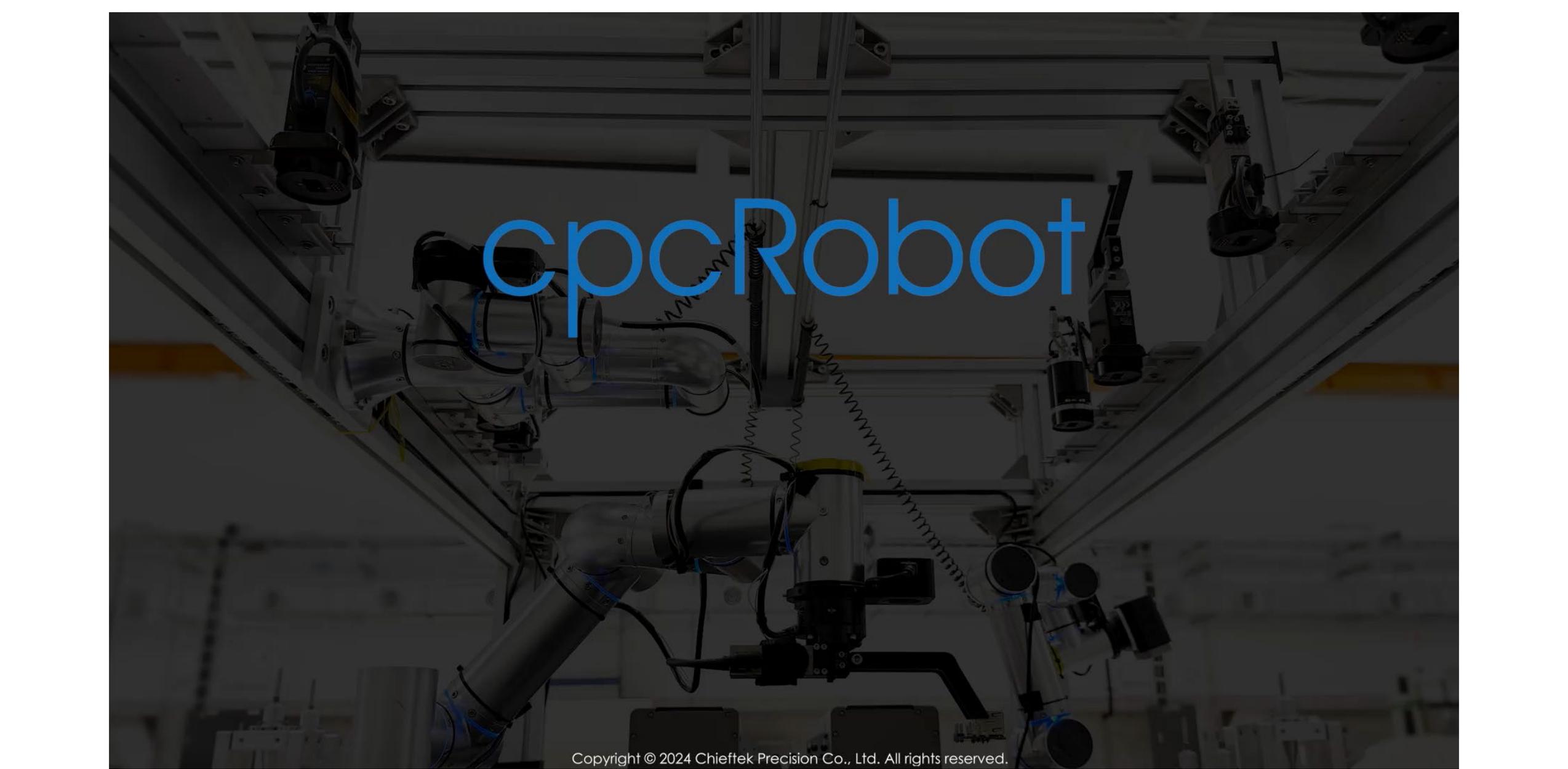
Material input area



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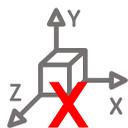
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cpc AI 視覺 + 運動控制 (Robotic) 的發展



手眼互動模式

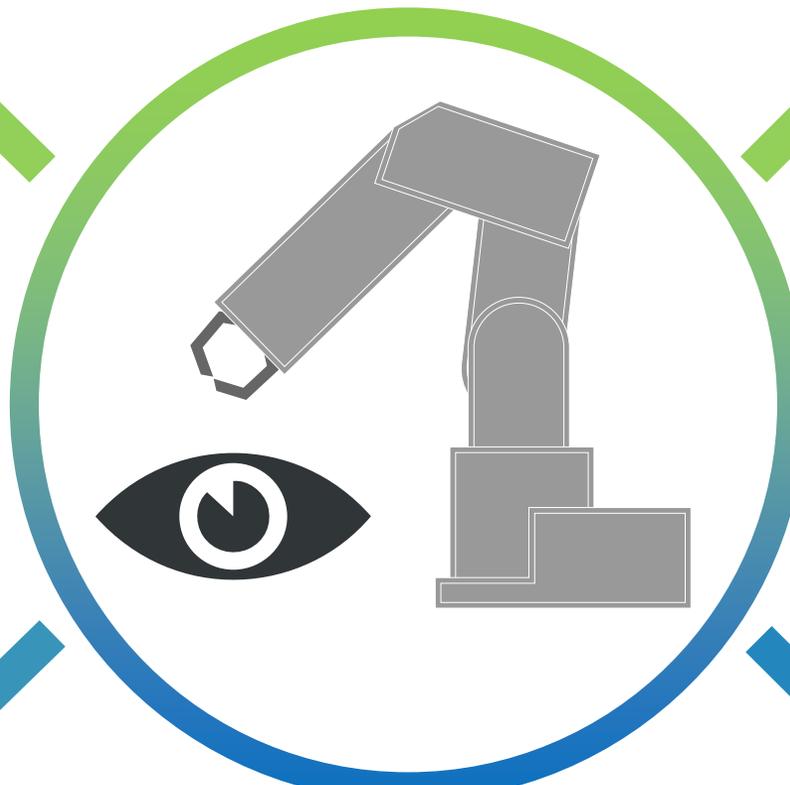


拋棄座標系統觀念，
達到 **快速** 對準、多手臂同動

仿人工作目標



- 一般性工作
- 複雜性工作
- 高精度性工作



1 mm / 0.1 mm	10 μm / 1 μm
人為	超越人為

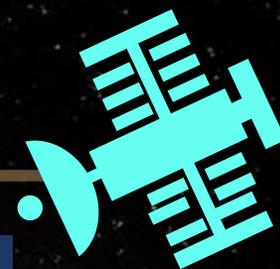
精度要求

工作目標

- 穩定性、自動檢測
- 速度 / 精度
- 少量多樣工作 (換線簡易)

佈局低軌衛星

TASA + cpc



衛星

光通訊萬向節



地面測試站



中控系統 cpcStudio



自製火箭

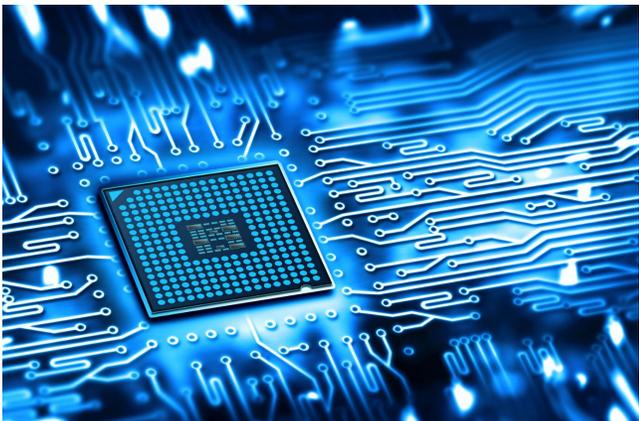
推進系統

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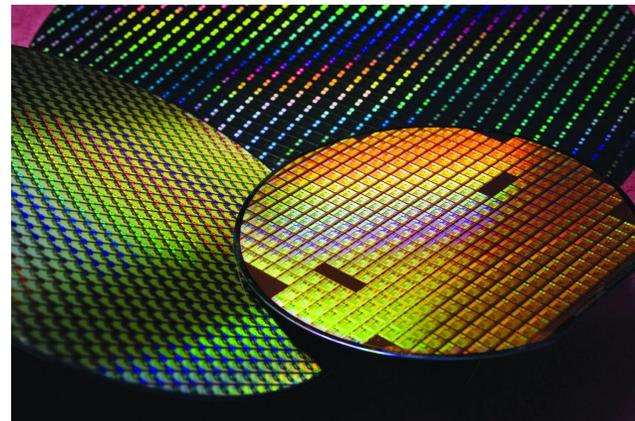
產品應用及客戶群



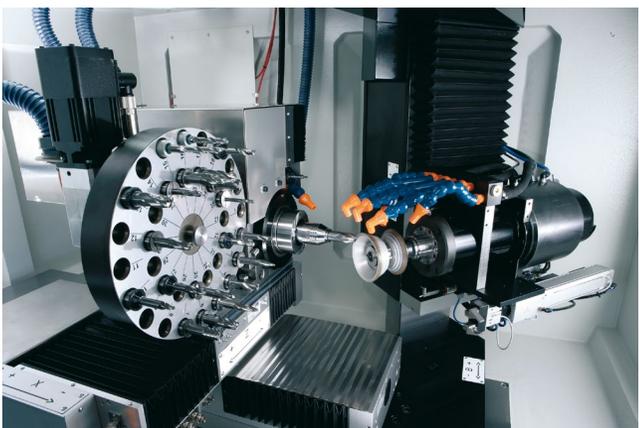
電子產業



生醫應用



半導體設備



工具機產業



航太業



面板產業

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產品線布局與開發進展：機械手臂

型號擴展

瞄準市場缺口

- 型號 **S0**：經典規格，負重 1kg，臂展 370mm。
- 新型號 **S1**：突破極限，負重提升至 2kg，臂展拓展至 600mm。

01

視覺應用

看見細節，引領精準

- 強化視覺感知，精準辨識與定位，實現精密操作。
- 2D/3D 視覺引導：擷取物件位置與姿態。
- 缺陷檢測：視覺技術確保產品品質。

02

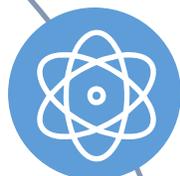
大語言模型應用

讓程式聽懂人話！

- 我們的自然語言介面，讓您用說的或打字的，就能和 PLC 程式溝通。
- 不用背指令，想做什麼直接講，找手冊也一樣快！

03

構建機械人底蘊



核心組件自主研發

自研馬達、編碼器、驅動器與減速機（外購）組合成高性能的機器人關節



發展機械人關節 (JOINT)

通用關節 (旋轉軸)：實現旋轉運動，優化精度、負載、壽命、成本，滿足廣泛機器人應用。

特殊關節 (行星式螺桿)：提供線性或高精度、高推力旋轉。
適用於高負載、高剛性與精確定位場景。



產品線拓展

利用自研關節，開發並推出多種類型的機器人產品，包括：
機械狗、輪型機械人、人形機械人與特殊構型機械人。

軟硬實力交疊整合



具體規劃

將 LLM 和視覺系統與自主研发的高性能機器人硬體整合。
賦予機器人更多可能性與靈活性，實現複雜指令的理解和環境感知。

目標

將近程發展的軟體能力與遠程發展的硬體能力進行深度融合。

意義

實現真正智能機器人的關鍵，提升機器人的自主性和適應性，開拓更廣闊的應用領域。

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財 務 報 告

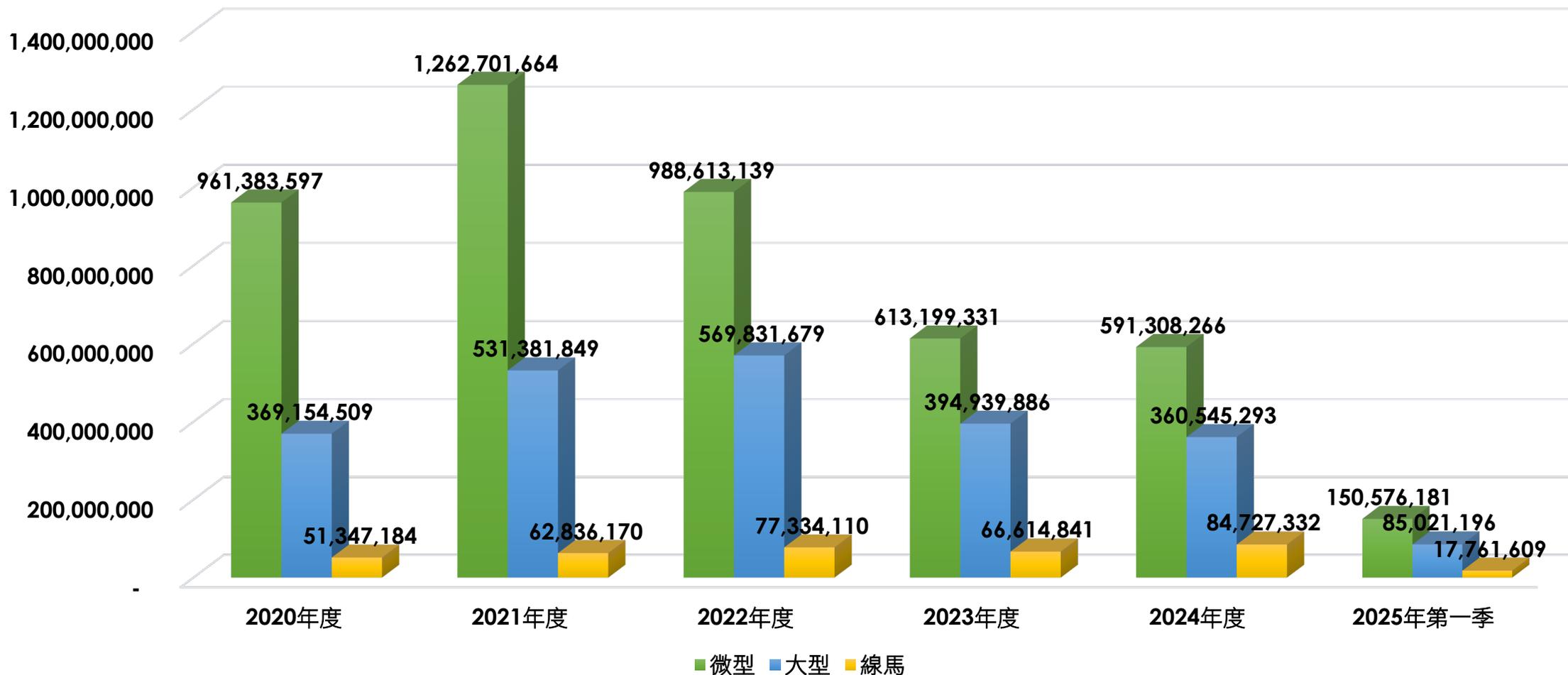
財 務 報 告

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2020~2025 年第一季 產品別營收趨勢圖

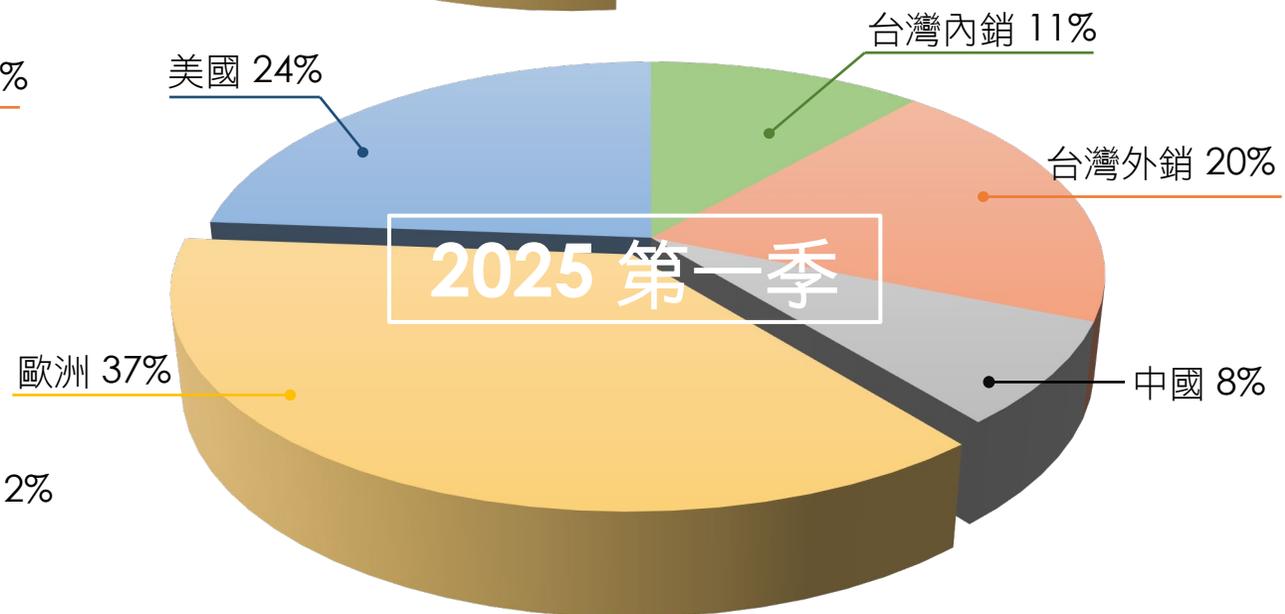
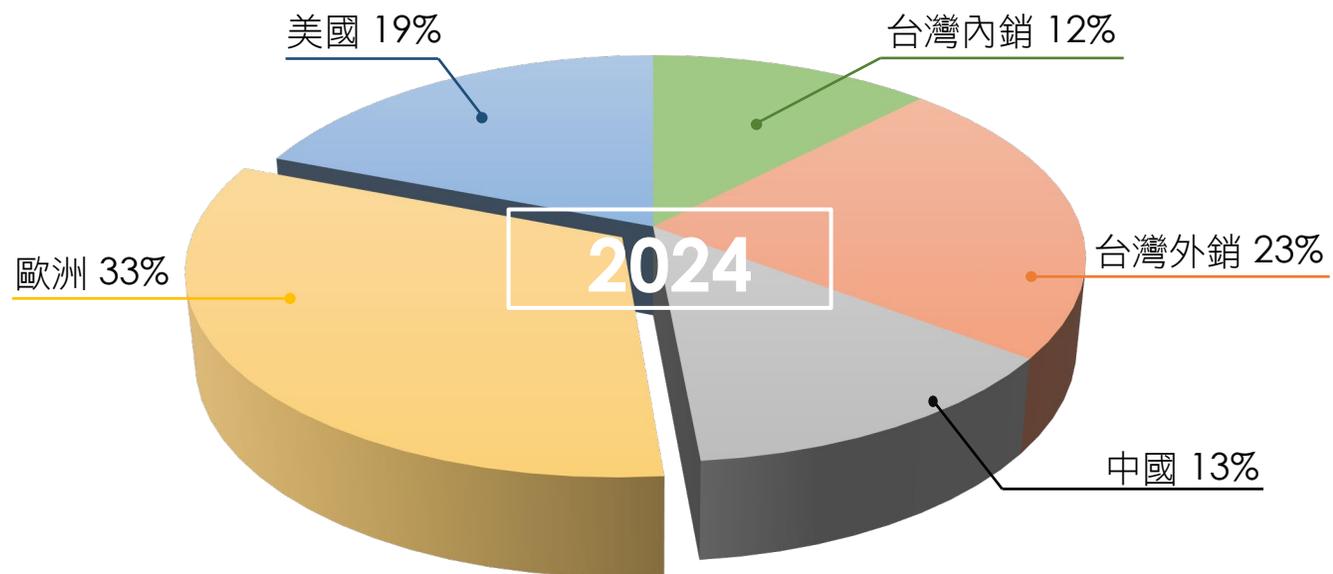
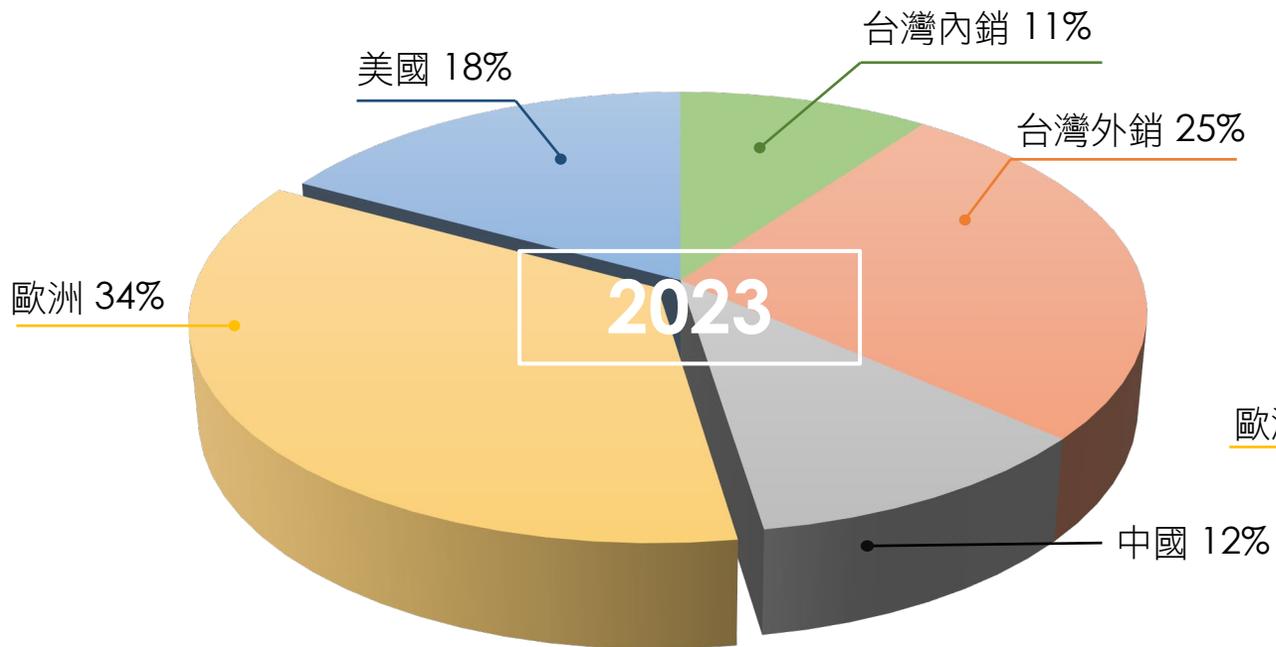
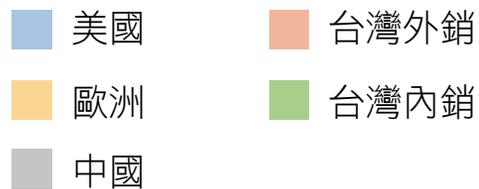
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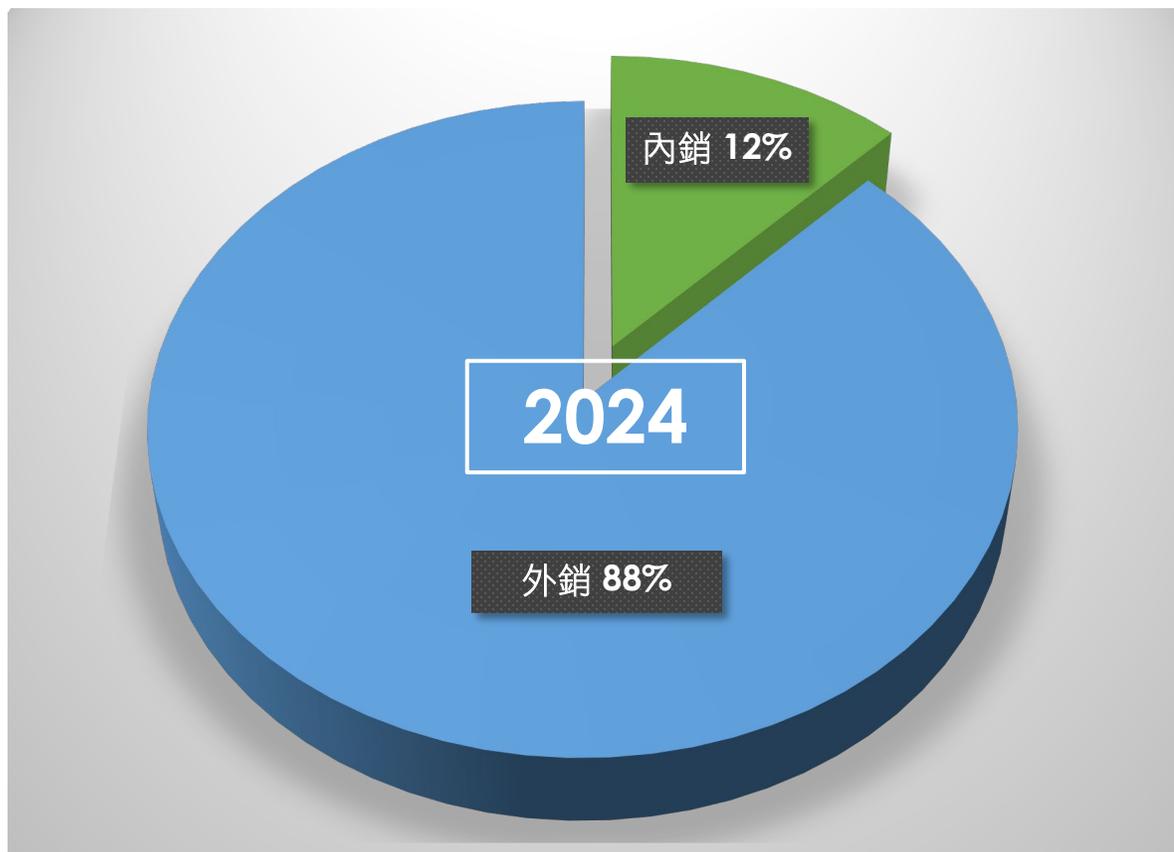
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2023~2025 年第一季 地區別營收占比



2024~2025 年第一季 內外銷地區別營收占比

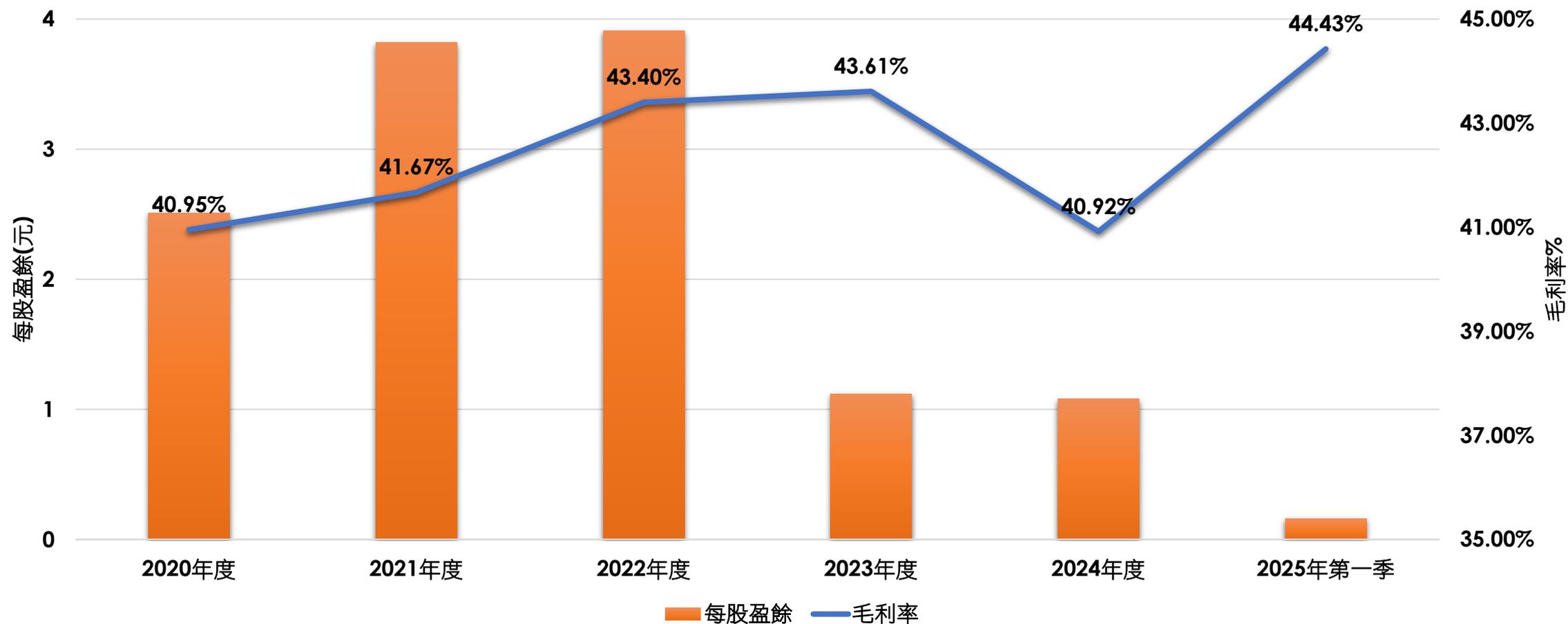
■ 內銷 ■ 外銷



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2020~2025 年第一季 毛利率及每股盈餘趨勢圖



股利政策

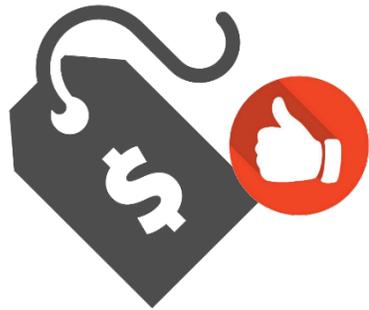
單位：元

獲利年度	現金股利	盈餘配股	合計
113	0.7	0.0	0.7
112	0.8	0.0	0.8
111	2.0	0.0	2.0
110	1.5	1.0	2.5
109	1.5	0.0	1.5
108	1.0	0.0	1.0
107	1.0	1.0	2.0
106	1.0	2.5	3.5

競爭利基



German quality



Competitive pricing

品質與技術兼顧
的高競爭力

技術不斷提
昇，持續開
發新產品

良好的服務
品質



Taiwanese flexibility



Prompt delivery

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cpcRobot

cpcStudio

cpcCells

cpc YouTube



歡迎各位持續追蹤及訂閱，我們將會不斷更新產品影片！