

科基企業有限公司

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企業沿革

- 1980 年 科基企業成立 技術導入模具溫控與塑料含水率控制設備
- 1990 年 註冊「科基」商標，導入微電腦控制技術，拓展冷卻、控溫、乾燥與中央供料等領域
- 2000 年 成立韓國據點，推動產品多元化，成功進軍光電與 3C 產業。
- 2010 年 以綠色科技為研發核心，推出多款環保、安全、高效的設備，確立「節能產品」定位，並響應新南向政策，拓展東協與新興市場。
- 2014 年 獲「鄧白氏中小企業菁英 1000」
- 2019 年 持續研究開發並取得三項國家專利
- 2020 年 導入智慧能源管理及品牌數位轉型，配合自動化設備，加速客戶工廠邁向工業 4.0 擴大海外佈局，在每個海外市場持續擴展銷售與技術支援服務
- 2023 年 取得除濕機、除露機技術相關兩項專利
榮獲第 77 屆工業節暨創新研發績優中小企業
- 2024 年 參與企業溫室氣體盤查計畫
取得節能型除濕乾燥機兩項 CE 認證
- 2025 年 台灣塑膠製品工業同業公會推舉為同業楷模
獲選為第 28 屆小巨人獎得獎企業

主要產品

- ① 冰水冷卻系列：變頻水冷 / 氣冷式冰水機
- ② 模具溫度控制系列：水式 / 油式模溫機、水冷 / 氣冷式冰溫機、高速冷熱溫控機
- ③ 模具除露機
- ④ 靜電除粉機
- ⑤ 除濕乾燥機系列：紅外線結晶乾燥機、真空除濕乾燥機、三機一體（蜂巢式）除濕乾燥機
- ⑥ 計量混料設備：減重式 / 體積式 / 累重式計量混料機
- ⑦ 中央供料系統：整廠自動化、智慧監控設計規劃

企業簡介

1980 年代科基企業由五位具遠見的業務與工程師創立，率先洞察「溫度與含水率」對成型品質的影響，投入模具溫控、乾燥除濕與冷卻系統研發，推動製造業邁向自動化，奠定技術基石。

隨著技術演進，科基秉持「技術驅動未來、自動化創造價值」精神，開發高效率、低能耗的智慧型設備，

如真空除濕乾燥機、紅外線結晶乾燥機與節能型冰水機，協助客戶節能 30 ~ 50%、縮短製程時間逾半，兼顧安全與品質。

科基堅持 100% 台灣製造，採用日本與歐洲高品質零組件，確保穩定與精準，讓全球客戶信賴「Made in Taiwan」。目前設備已遍佈亞洲、南美與中東市場，未來將持續以智慧科技與綠色創新為動能，打造高值製造典範，讓台灣成為國際智慧製造與永續節能的代表。

出口實績及國際競爭力

- ① 穩成長 · 市場布局多元
科基連續兩年維持約 20% 年成長率，2022 至 2024 年出口總額由 US\$1.06M 成長至 US\$1.55M，累計成長達 46%。主要成長動能來自新興市場，銷售模式從單機轉向系統規劃，出口結構更趨高值化。
- ② 國際合作 · 品牌競爭力
與多國代理商建立長期合作，積極布局南美與東南亞市場，並結合在地技術與維修夥伴，強化售後服務品質與品牌信任度。推動「直連客戶模式」，提升價格與品質掌控力，並透過國際廣告與展會行銷，有效擴大品牌能見度與全球詢問量。
- ③ 堅持 100% 台灣製造組裝
搭配日本與歐美品牌元件，擁有國際高品質標準，避免低價競爭策略，在高端市場展現更強吸引力。

營運管理與績效

- ① 公司治理與決策機制
以穩健治理為永續基礎，透過每月主管會議與明確分工，確保策略執行透明有效。設有定期稽核與財務審查流程，提升決策前瞻性與組織彈性。
- ② 研發創新與技術領先
長期投入研發，聚焦節能、智慧化與綠色製造技術，累積多項專利成果。透過自主研發與客戶協同開發，提升產品附加價值與市場競爭力。
- ③ 生產效能與品質管理
導入標準化流程與分段檢驗制度，確保高效生產與穩定交期。結合數位監控與模組化設計，提升製造彈性與資源利用效率，強化整體營運績效。

永續經營

- ① 永續經營與 ESG 實踐
科基積極參與永續論壇與技術研究，強化產業鏈的環境責任與合作，落實 ESG 理念。
- ② 員工培訓、發展與福利
公司致力打造公平、多元、友善的職場環境，建立完善的培訓與獎勵制度，採利潤分享機制，提供三節與年終分紅獎金。鼓勵員工進修與考取證照，依職能與年資規劃晉升，提升留任率與歸屬感，實踐「與員工共成長」的理念。
- ③ 社會貢獻與公益參與
積極投入公益行動，支持偏鄉體育教育與產學合作，並鼓勵員工參與志工活動，如支援花蓮光復鄉災後重建，展現企業的社會責任與關懷精神。

綜合評語

- 近 5 年外銷金額大幅成長，並逐步擴大南美洲市場。
- 自研發真空型除濕乾燥機，取代傳統產品。
- 年度碳排放量下降 10%，節能 15% 以上，逐年優化能源使用效率，並培訓員工 ESG 知識，碳中和意識。



FLYING TIGER KJ Co., Ltd.

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History

- 1980 Company Founded
Initiated development of mold temperature control and moisture control systems.
- 1990 Registered the "FLYING TIGER" trademark, and introduced microcomputer control across cooling, drying, and material supply systems.
- 2000 Expanded product lines to include dehumidifiers, mixers, and automation systems; entered the optoelectronics and 3C sectors; established a Korean branch.
- 2010 Positioned as a green, energy-saving brand with CE-certified products; expanded into ASEAN and emerging markets under the New Southbound Policy.
- 2014 Selected as one of Dun & Bradstreet's Taiwan SME Elite 1000 enterprises.
- 2019 Obtained three national patents for dosing and material handling innovations.
- 2020 Adopted automation and centralized monitoring to support Industry 4.0, while expanding global sales and service networks to boost market reach.
- 2023 Received two more patents for dehumidifiers; honored as a top SME in industrial innovation by Taichung City.
- 2024 Conducted a corporate greenhouse gas inventory and participated in the Digital Medical Device Cross-Domain Integration Development Program.

Business Items

- ① Chiller & Cooling Water Series: Inverter Air/Water cooled cooling chiller
- ② Mold Temp. Controller Series: Water/Oil Temperature Controller, Water/Air Cooling Dual Temperature Controller, Hot-Cold Temp. Controller
- ③ Mold Dehumidifier
- ④ Static Eliminator
- ⑤ Dryer & Crystallizer Series: Infrared Rotary Dryer, Vacuum Dehumidifying Dryer, Three-In-One (Honeycomb) Dehumidifying Dryer
- ⑥ Dosing Blender Series: Loss-In-Weight/Volumetric/Gravimetric Dosing Blender
- ⑦ Central Material Conveying System

Introduction

Founded in the 1980s, Flying Tiger KJ Co., Ltd. was established by five engineers and sales experts who recognized the importance of temperature and moisture control in molding quality. The company pioneered mold temperature controllers, dehumidifying dryers, and

cooling systems, helping Taiwan's plastics industry move toward automation.

Guided by the belief that "Technology Drives the Future, Automation Creates Value," Flying Tiger develops high-efficiency, energy-saving smart equipment. Key products like the Vacuum Dehumidifying Dryer, Infrared Rotary Dryer, and Energy-Saving Chiller help clients reduce energy use by 30-50% while maintaining safety and quality.

All machines are 100% made in Taiwan using premium components from Japan and Europe, ensuring long-term reliability.

Today, the company's equipment is used across Asia, South America, and the Middle East. Moving forward, Flying Tiger continues to combine smart technology and green innovation to make "Made in Taiwan" a symbol of intelligent and sustainable manufacturing.

Export Competitiveness

- ① Steady Growth & Market Expansion
Achieved consistent growth, with exports rising from US\$1.06M in 2022 to US\$1.55M in 2024—a 46% increase. Growth was driven by potential markets, as the company shifted from selling single machines to offering integrated system solutions.
- ② Global Partnerships & Brand Visibility
Partners with agents in South America and Southeast Asia, backed by local service teams for dependable support. Through direct sales, digital marketing, and global exhibitions, the company has strengthened brand visibility and grown international interest.
- ③ Brand Image & International Trust
All products are fully made in Taiwan with premium components from Japan and France. This ensures consistent quality and has earned trust in high-end markets.

Operation Performance Management

- ① Governance & Strategy
Flying Tiger ensures stable operations through regular meetings, audits, and financial reviews, supporting effective execution and resilience.
- ② Innovation & R&D
The company focuses on energy-saving and

smart manufacturing, backed by patents and client collaboration to boost product value and competitiveness.

③ Production & Performance

With standardized processes, quality checks, and digital monitoring, Flying Tiger achieves efficient, flexible, and reliable manufacturing.

Sustainable Management

① Sustainability & ESG Practice

Flying Tiger promotes environmental responsibility through energy-saving efforts, industry collaboration, and ESG integration.

② Employee Development & Welfare

Flying Tiger fosters a fair, diverse, and friendly workplace. It offers comprehensive training and reward systems, profit-sharing, bonuses, and career advancement based on role and tenure. Employees are encouraged to pursue certifications and continuous learning, reflecting the company's belief in growing together with its team.

④ Social Contribution & Community Engagement

Deeply involved in public welfare, supporting rural sports education. Employees are encouraged to join volunteer efforts, such as post-disaster recovery in Hualien's Guangfu Township, demonstrating Flying Tiger's commitment to social responsibility and compassion.

