

# 合默麟開發有限公司

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## 企業沿革

- 1996年 創立台中縣霧峰，主要從事生產PET飲料瓶，加工及吹瓶業務。
- 2000年 921大地震後，轉型為機械製造業，生產PET瓶口結晶機及吹瓶機設備製造業務，產品從99%內銷轉為90%外銷。
- 2002年 導入「產品結構管理系統」(BOM)及導入「企業資源規劃系統」(ERP)及通過CE認證。
- 2003年 榮獲第七屆國家創新研究獎及通過經濟部技術處「業界科技專案計畫」。PET瓶口結晶機及相關產品，獲得世界重要國家多項專利。與美國PPG公司合作，PET瓶COATING技術。
- 2004年 公司內部各種類型規章制度建立、標準化、書面化。開發瓶口內徑檢測機、瓶口尺寸影像檢測機(Q-VISION)及一步法射拉吹機。
- 2005年 降低成本提升機器配件自製率，加強投資CNC設備生產能力。
- 2007年 遷移至南崗工業區內，繼續從事機械製造業。

## 主要產品

PET瓶口結晶機、射拉吹機、瓶口影像檢測機(Q-VISION)、瓶口內徑檢測機。

## 國際競爭力

### 一、製程技術：

PET瓶口結晶機自轉軸(ADAPTOR)採用內外加熱法，因此溫度變化小、減少熱變形、加熱時間短。結晶後不會造成牙口及端口(TSS)損傷、插入瓶胚時不會傷及瓶胚頸部內側表面。溫度控制可保證品質一致、雙軌設計之機台空間小且降低熱量流失。剝脫板直接壓瓶支撐環上將結晶瓶胚脫離，而無接觸TSS、瓶胚脫離冷卻後不造成凹陷。

### 二、技術服務：

具備遠距控制功能、四十八小時內工程師支援到位、多種瓶口牙區設計。整合國內上下游生產設備、替客戶TURNKEY設計。



# BOTTL-TOP DEVELOPMENT CO.,

Owner :Xie Guo Ni Web : www.bottop.com/ Telephone : 886-4-92258335  
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## History

- 1996 Established and started producing the PET bottle
- 2000 Switched to become a machinery manufacturer and started producing PET bottle neck crystallizer after 921 strong earthquake . In the meanwhile we converted the domestic market into international market .
- 2002 Set up and finished BOM and ERP systems and obtained CE certificate ,
- 2003 Had the honor to win the “ 7th innovation and research award ” and be approved the “ Industrial Technology Development Program ” by Department of Industrial Technology,Board of Trade . Moreover we obtained several patents of the crystallizer in the world and cooperated with PPG ,USA to develop the coating technique for PET bottle .
- 2004 Re-established the company regulation and system in accordance with standardization and documentation .Furthermore began to develop the inspection system such as ID inspection apparatus , Q-Vision inspector for PET perform neck and one stage injection-stretch-blow machine.
- 2005 Reduced the cost and increased the homemade ratio of the mechanical parts by investing the CNC processing equipment .
- 2007 Moved to the new premises in Nankang industrial park .

## Business Items

PET bottle neck crystallizer, Injection-stretch-blow molding machine, Q-Vision inspection,apparatus(Lab) for PET preform neck dimensions,ID(Inner Diameter) inspection apparatus for PET preform neck

## Export Competitiveness

### I .Process Technique :

- ( I ) Internal and external dual heating method can decrease temperature variation , reduce the thermal distortion and shorten the heating time .
- ( II ) No damage on the thread and TSS and no scratch on the inner surface of perform neck finish .
- ( III ) Save the machine and operation spaces based on 2-lane infeed design .
- ( IV ) No warping on TSS results from the perform being ejected from the support ring not TSS .
- ( V ) Ensure the consistent quality.

### II .Technical Service :

- ( I ) Technican can support in 48 hours via regular and frequent contacts .
- ( II ) Offer varied preform neck finish designs .
- ( III ) Integrate the upper and lower production equipments and supply the turnkey system service to our customers .





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## 營運管理

- 一、研究管理方面：  
採多方面與各相關高科技學術單位合作(如精密機械中心，工研院、中正大學、雲林科技大學等)外，並提供優渥條件，積極培育高級技術人才，採用多種設計軟體，厚植設計基礎。
- 二、財物管理方面：  
聘請國內知名會計師事務所，附屬之財務管理顧問公司進行內部稽核控制、財會制度等建立及內部執行ERP系統，快速、正確有效管理。
- 三、資訊管理方面：  
公司全面實施E化管理，運用網路技術，加強內容及對外溝通連絡、設置具企業形象網站，使公司業務迅速與全球接軌。
- 四、品質管理方面：  
導入中衛管理體系、FMEA模式，對品質管理，使用六個標準差，(MAIC)流程分析，逐步減少出錯因子。
- 五、行銷管理方面：  
定期瞭解顧客對產品的需求及滿意度，協助解決顧客經營時所發生的困難，積極開發高效能產品，降低顧客生產成本。
- 六、人力資源管理方面：  
人力是企業家的資本，本公司極為重視，故努力建立一套完整工作目標手冊(SOP)、績效評估辦法、生產效率獎金辦法及儲備主管甄選與評鑑辦法，使員工能在公平環境下，認真工作、創造自己的幸福。

## 企業特色

- 一、本公司產品涉及許多不同的專業技術，不論是在PET原料及其它塑料的物性技術、機電工程技術、自動控制工程技術、模具工程技術、CNC加工技術等，。自行開發研究設計，依市場需求，可機動性及有計劃的調整市場需求及有效能的售服工作。結合本國特有產業結構 OEM 系統，來製造配件，使公司維持適當組織結構。
- 二、本公司產品每一元件設計，皆著重操作安全容易、保養方便 (DIY)、耗能少。每一元件幾乎可承擔數項功能，因此可降低成本。
- 三、本公司研發經費約佔營業額30%，有良好工作環境、健全制度、人事穩定下，研發能力強。同時非常重視員工教育訓練，每年有計劃的培訓人才。
- 四、本公司經常注意全球市場資訊，分析走勢，定出最有利的產銷計劃及未雨綢繆對策，在穩定中成長，並與國際知名企業尋求技術合作，希望未來開新產品同時，除高效率、省能外，也兼顧環保保護的責任，替防止地球暖化盡一些義務、責任。

## 綜合評語

- 一、公司重視技術發展，在產品檢測、結晶技術上投入大量研發資源，掌握關鍵核心技術，技術具有世界級競爭力，奠定經營利基。
- 二、公司以技術導向穩健經營，技術已領先先進國家之廠商，並與國外廠商進行策略性結盟，掌握全球重要顧客，未來成長潛力雄厚。

## Operation Management

- I . Research Management :  
Cooperate with correlative scientific units(Eg. PMC, Industrial Technology Research Institute, National Zhong Zheng University, National Yun Lin Technology University...etc..) for cultivating high technique personnel actively . Furthermore improve the design ability by using the latest and advanced software .
- II . Finance Management :  
Quick and effective management is in virtue of inviting the famous accounting company and affiliated financial consultant to set up the internal control and accounting systems that match up the existing ERP system compactly .
- III . Information Management :  
Enforce the communication with customers and suppliers by overall computerized management and get in touch with the whole world through our excellent website and quick-response system .
- IV . Quality Management :  
Reduce the faults by using Zhong Wei management system, FMEA, 6 sigma and MAIC ....
- V . Marketing Management :  
Monitor the customers'needs and satisfaction and support the solutions for our customers timely. Develop high efficient products and solutions to help our customers to decrease the production cost.
- VI . HR Management :  
For personnel can work pleasurable and grow up with company mutually, we pay much attention on setting up SOP , performance evaluation, bonus system of efficiency and leader selection and estimation systems .

## Enterprise Characteristics

- I . Our company possesses self-developed and self-designed competencies in many industries such as the application technology of PET and other plastic resin, electric and mechanical technology, automatic control and molding engineering and CNC processing...etc., For varied needs of the market, we can adapt to the changes flexibly and service our customers quickly and precisely.
- II . For lower the component cost, our design principles of each component are safe for use , convenient and easy for maintenance and save energy .
- III . The ratio of our R & D expense is 30% . Therefore we have a good circumstance for work , perfect and stable personnel system and strong developing ability . In the meantime the planned training and education for staffs has been executing insistently.
- IV . For getting the most advantageous sales and production plan and proactive strategy , We concern the international market and trend frequently. For developing the new products , to cooperated with the famous companies in technology that can be more efficient . Additionally care for the environmental protection and prevent the earth from warming effect are our CSR .

