



**YANN BANG**



# 產品總介紹 GENERAL CATALOGUE

全方位規劃與解決方案的技術領航者  
Pioneer of All-round Factory Layout With Total Solution



ISO 9001:2008 認證標章  
An ISO 9001:2008  
Certified Company

## 公司沿革 Milestone

### 1974年06月 June 1974

創立本公司的前身「精工電機行」,資本額為新台幣十萬元整,初期提供業界將人工或半自動機器修改為自動化的服務。

At the beginning, the original name of Yann Bang is "Jing Gong Electric Enterprise" who remodel manual or semi-auto machine to automatic type

### 1975年06月 June 1975

推出烤箱,正式與塑膠之週邊設備結緣。

Supply Oven Dryers for rubber and plastic industry

### 1977年元月 January 1977

投入料斗乾燥機之生產。

Supply Hopper Dryers

### 1978年03月 March 1978

推出國內首台筒身與集塵室(本台)可分離設計之料斗乾燥機,方便清料與換料。

Supply the original design of Hopper Dryers which separate the drying chamber and dust collect hopper for easy maintenance in Taiwan

### 1979年07月 July 1979

推出真空填料機。

Supply Automatic Vacuum Loaders

### 1982年10月 October 1982

模具控溫機正式生產。

Supply Mold Temperature Controllers

### 1985年06月 June 1985

改組正式成立晏邦電機工業有限公司,登記資本額為新台幣伍佰萬元整,此時產品導入國際市場,積極擴展外銷。

Rename to "Yann Bang Electrical Machinery Co., Ltd" for starting international market with "YB" logo, and increase 50 times of investment

### 1987年11月 November 1987

成立台南分公司,加強服務網。

Found a branch office and storage at Tainan to provide better service in southern region of Taiwan

### 1989年06月 June 1989

本公司全面採行電腦化作業。

After-service system start to computerization

### 1989年12月 December 1989

料斗乾燥機之視窗磁鐵座研發成功,並取得專利權

Sight glass magnetic stand of Hopper Dryers are awarded patent in Taiwan

### 1990年03月 March 1990

冷凍機正式生產。

Supply Industry Chillers

### 1990年08月 August 1990

推出除濕乾燥機、色料色母自動計量器並提出多項專利申請。

Supply Dehumidifying Dryers and Master-Batch Feeders and also apply for numerous patents

### 1991年10月 October 1991

料斗乾燥機、真空填料機、模具控溫機榮獲[第三屆國產精良機械金龍獎]。

Hopper Dryers, Automatic Vacuum Loaders, and Mold Temperature Controllers are awarded "The third Golden Dragon Award"

### 1992年09月 September 1992

獲工業局專款補助,推動工研院技術升級輔導計劃 Gain the grants from Taiwan Industrial Development Bureau and join the technology improvement program with ITRI

### 1992年12月 December 1992

增資為新台幣貳仟陸佰萬元整。

Increase investment up to USD930,000

### 1993年06月 June 1993

除濕乾燥機取得台灣二項專利。

Dehumidifying Dryers are awarded two kinds of patents in Taiwan

### 1993年09月 September 1993

除濕乾燥機、色料色母自動計量器、混合比例閥榮獲[第四屆國產精良機械金龍獎]。

Dehumidifying Dryers, Master-Batch Feeders, and Proportional Valves are awarded "The forth Golden Dragon Award"

### 1994年04月 April 1994

除濕乾燥機取得美國與大陸專利。

Dehumidifying Dryers are awarded patent in U.S.A and China

### 1994年09月 September 1994

截風閥與截料閥取得台灣專利。

Air-cut-off Valves and Material-cut-off Valves are awarded patent in Taiwan

### 1994年10月 October 1994

在大里工業區現址興建廠房,進行擴廠計劃。

Build a new factory in Da-Li Industrial Park for extension

### 1994年10月 October 1994

真空填料機鼓風裝置取得台灣專利。

Design of Automatic Vacuum Loaders are awarded patent in Taiwan

### 1995年01月 January 1995

混合比例閥取得台灣專利。

Proportional Valves are awarded patent in Taiwan

### 1995年04月 April 1995

購入電腦繪圖輔助系統AutoCAD,加快研發效率 R&D department start to use AutoCAD software for improving efficiency

### 1995年06月 June 1995

正式遷入大里工業區生產。

Headquarter relocate in Da-Li Industrial Park

### 1995年12月 December 1995

榮獲[工商企業世紀巨龍獎]。

Awarded "Centurial Business Dragon" by Home and Aboard News Press

### 1996年01月 January 1996

成立台北分公司,加強服務網。

Found a branch office and storage at Taipei to provide better service in northern region of Taiwan

### 1996年06月 June 1996

透明吸料筒底座設計取得日本專利。

Glass Suction Hoppers are awarded patent in Japan

### 1996年08月 August 1996

參加台灣精密機械評比榮獲[功能設計金品獎]。

Awarded "Premium Product with excellent design" by PMC in Taiwan

### 1997年01月 January 1997

增資為新台幣伍仟萬元整。

Increase investment up to USD1,790,000

### 1997年04月 April 1997

通過ISO 9002認證。

Awarded ISO 9002 certification

### 1997年05月 May 1997

開始廠房擴建計劃,並於同年12月完工。

Start the second extension of headquarter factory and finish in December

### 1998年01月 January 1998

中國廣東省東莞市的關係企業「東莞鉅邦機電有限公司」成立。

Found a conglomerate factory- Dongguan Ju Bang Electrical Machinery Co., Ltd in Guangdong, China for Grand China market



總公司  
HEADQUATER



大陸關係企業  
CHINA CONGLOMERATE



塑料行业 榮格技术创新奖  
Ringer Technology Innovation Awards Plastic Industry



台灣精品 2009  
TAIWAN EXCELLENCE



### 1998年12月 December 1998

因應千禧年危機，開始籌畫電腦系統的修改及更新。  
Update computerization and after-service system for Y2K

### 1999年04月 April 1999

除濕乾燥機榮獲經濟部中小企業處所舉辦[中小企業創新研究獎]。

Dehumidifying Dryers are awarded "SME Innovation and Research Award" by Ministry of Economic Affairs in Taiwan

### 1999年06月 June 1999

除濕乾燥機、料斗乾燥機通過CE認證。

Dehumidifying Dryers and Hopper Dryers are awarded CE certification

### 2000年01月 January 2000

除濕乾燥機榮獲經濟部質協[台灣精品獎]。

Dehumidifying Dryers are awarded "Taiwan Excellence" by Ministry of Economic Affairs in Taiwan

### 2000年07月 July 2000

台南分公司遷入總頭寮工業區新廠。

New Tainan branch office and storage relocate in Dou-Liao Industrial Park

### 2001年09月 September 2001

觸控式全自動真空填料機系列通過CE認證。

Automatic Vacuum Loader series are awarded CE certification

### 2002年07月 July 2002

全省電腦系統更新為網路化。

Upgrade service system of the headquarter and all branch offices to network

### 2002年11月 November 2002

榮獲經濟部中小企業處頒發[創新研發績優廠商]

Awarded "Blue-chip company of innovation and research" by Ministry of Economic Affairs in Taiwan

### 2003年06月 June 2003

模具控溫機之運油裝置取得大陸專利。

Design of Mold Temperature Controllers are awarded patent in China

### 2003年12月 December 2003

增資為新台幣伍仟陸佰萬元整。

Increase investment up to USD2,000,000

### 2004年05月 May 2004

塑膠料粒除濕機之蜂巢輪結構、除塵過濾裝置取得台灣專利。

Honeycomb design of Dehumidifying Dryers and Design of Automatic Vacuum Loaders are awarded patent in Taiwan.

### 2005年10月 October 2005

榮獲台中縣政府評選為績優中小企業[金手獎]。

Awarded "Golden Hand Award" for SME by Taichung City government

### 2006年11月 November 2006

自動計量混合設備、真空填料機之自動除塵裝置、截流閥的改良結構、除濕乾燥機結構取得台灣專利

Auto Dosing & Mixing System, Auto Dust Cleaner for Auto Loader, Design of Dehumidifying Dryers and Mold Temperature Controllers are awarded patents in Taiwan

### 2007年04月 April 2007

高效率真空轉輸連續式除濕乾燥機(循環預熱真空式除濕乾燥設備)開發案獲經濟部工業局[CITD專案補助]。

Vacuum Dehumidifying Dryers gain CITD grants from Ministry of Economic Affairs in Taiwan

### 2008年09月 September 2008

全自動模具控溫機與冷凍機系列通過 CE認證。

Industrial Chillers and Mold Temperature Controllers series are awarded CE certification

### 2009年06月 June 2009

循環預熱真空式除濕乾燥設備陸續取得台灣、德國、大陸、日本和美國專利。

Vacuum Dehumidifying Dryers are awarded patents in Taiwan, Germany, China, Japan and U.S.A..

### 2009年08月 August 2009

色料色母自動計量器通過 CE認證。

Master-Batch Feeders are awarded CE certification

### 2009年12月 December 2009

循環預熱真空式除濕乾燥設備榮獲台灣質協[第18屆台灣精品獎]

Vacuum Dehumidifying Dryers are awarded "The 18th Taiwan Excellence" by Ministry of Economic Affairs in Taiwan

### 2010年04月 April 2010

通過ISO 9001:2008認證。

Awarded ISO 9001:2008 certification

### 2010年08月 August 2010

循環預熱真空式除濕乾燥設備榮獲榮格[2010年塑膠行業技術創新獎]。

Vacuum Dehumidifying Dryers are awarded "Ringier Technology Innovation Awards 2010" for the plastic Industry by Ringier AG

### 2010年12月 December 2010

粉碎機系列、計量配色混料系統通過 CE認證。  
Crusher series and Auto Dosing & Mixing System are awarded CE certification

### 2011年08月 August 2011

吸粉填料機榮獲榮格[2011年塑膠行業技術創新獎]

Vacuum Loaders for Powder are awarded "Ringier Technology Innovation Awards 2011" for the plastic Industry by Ringier AG

### 2012年04月 April 2012

強力型粉碎機榮獲工研院[機械產業科技美學加值計劃]補助案。

Mighty Crusher series gain the grants of "Technology Aesthetics Value-added Project in Machinery Industry" by ITRI

### 2013年10月 October 2013

真空緩衝筒取得台灣、大陸、德國、日本專利  
節能料斗乾燥機取得台灣、大陸、德國專利  
塑料正壓吹送器取得台灣、大陸專利

Vacuum Dryers are awarded patents in Taiwan, China, Germany and Japan.

Energy-efficient Hopper Dryer are awarded patents in Taiwan, China and Germany.

Loaders are awarded patents in Taiwan and China.

### 2014年01月 January 2014

新型強力型粉碎機外觀設計取得台灣專利

New look of mighty crusher is awarded patent in Taiwan.

### 2014年11月 November 2014

節能快速乾燥機取得台灣、日本專利

Rapid Dryers are awarded patents in Taiwan and Japan.

### 2015年01月 January 2015

廠房擴建計劃完成，使用面積約達 3400 坪。

Completed the extension of headquarter factory. Usable space reached 11,250 m<sup>2</sup>.

掌握時代脈動 領先世界潮流

PIONEERING at the tip of the world tide.  
MARCHING on the top of the world wave.

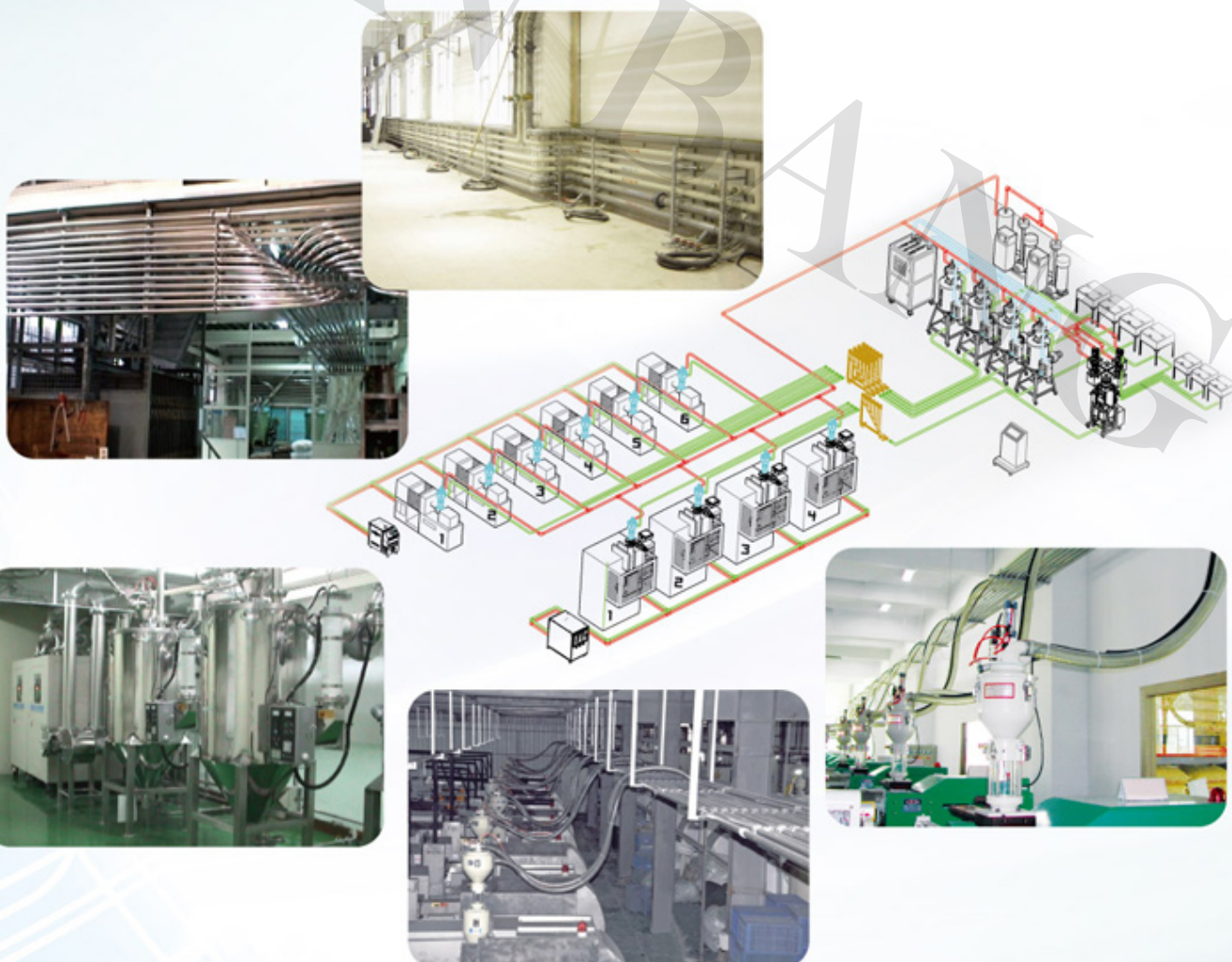
曼邦是台灣橡膠機週邊設備領導品牌，創立於1974年，始終秉終「技術領航、品質為先、節能減碳、熱誠服務、共創雙贏」的理念穩健踏實經營，持續開發研究，更不斷堅持提升品質保證，贏得國內外客戶的信任與喜愛，多項產品榮獲海內外多國專利與獎項，並通過 ISO 9001 與 CE 認證，完整的產品系列與專業的研發團隊提供全方位規劃與解決方案，曼邦是您最佳的選擇。

**YANN BANG**, leader of Taiwan in auxiliary equipment for rubber and plastics, is founded in 1974. We never stop researching and developing, and have been obtained numerous patents in Taiwan and other countries. With the honor of "Taiwan symbol of Excellence Winner", CE and ISO 9001 certification, we supply the best quality and service to our clients. Yann Bang have a completed products line and provide total solutions such as drying system, dosing system, temperature heating and cooling system, conveying system, recycling system, optics series and more.

## 中央供料系統 CENTRAL MATERIAL CONVEYING SYSTEM

面對錙銖必較的競爭市場，降低成本就是贏得利潤，自動化規劃的優或劣是業者節約成本的關鍵，利用自動化設備來處理所有材料，不僅可以防止污染物進入機器或損壞機器，還能透過精密的儀器自動地檢測或記錄任何階段時間的品質狀況，更可以避免操作者失誤，確保優良的品質。曼邦超過四十年的實務工程經驗，擁有專業技術的研發團隊能依照場地空間與實際需要，量身規劃整套人性化、彈性化且精準可靠的生產系統，為您創造最大利益。

Over forty years experience of auxiliary equipment in plastic and rubber industry, Yann Bang professional engineers customize a whole package of Full Factory Design and Organization (FFDO) for you include planning, organization, installation and training. FFDO can help you to increase the productivity, save your cost and working space, and earn greater profit for you in the competitive market. Users can use automatic productions for all kinds of manufacturing in rubber and plastic field to become more competitive. That not only prevents the pollution to damage your equipments but also able to detect or record the operation automatically and precisely. Automation is the major key to ensure your products in good quality and reduce human error.



### 標準型不鏽鋼料斗乾燥機 Stainless Standard Hopper Dryer

小巧適當的乾燥容量最適合少量乾燥的光學與精密電子業。獨特設計不卡粉塵、耐氧化不鏽鋼材質、一體成型設計、美觀大方、輕巧體積直接放置於工作機上，乾燥完成後直接落料，附透明視窗方便監看料位情形，讓工作更有效率，是精密工業不可或缺的幫手。本機的標準配備有計時器與溫度顯示器。

The perfect dry capacity is special for optics and electronics use. Unique design is dust-free and clean-free. Stainless and polish one-unit hopper is compact and light weight to install on the molding machine directly. To see the material level through a sight glass is to make your work more efficiently. Equip with a timer and a digital temperature indicator.

### 保溫式不鏽鋼料斗乾燥機 Stainless Insulated Hopper Dryer

採用耐氧化不鏽鋼材質，一體成型設計且料筒內外特殊拋光處理，外觀亮麗、美觀，不易附著色料粉末、低粉塵、好清理，最適合光學界使用。加上特殊保溫結構設計，高溫下可耐反覆加溫，高安全性，且不受外界環境之干擾，更能確保除濕功能。

Stainless and polished one-unit design is dust-free and clean-free. It is perfect for optics use. Unique insulated design can stand heating repeatedly up in high temperature. High security and well dehumidifying.

### 光學級吸料筒 Suction Hopper for Optics

晏邦專利吸料筒，可控制填料機之填料動作，且可直接置於成型機上或配合填料機使用，使清料、換料等維護工作更得心應手。筒身為不鏽鋼材質，內外特殊拋光處理，外觀亮麗、美觀，不易沾粉塵、好清理，既環保且提高工作效率。

YANN BANG patented suction hoppers fitted with a limited switch to make the control accurate and the material supply easily observed. It can be mounted directly on the plastic molding machine and give the operator a clear view of the resin being fed into the machine. Dust-free and clean-free make your working environment better and increase working efficiency.

### 除塵混合式吸料筒 Dust-Free Filter Hopper

增加3倍的除塵效果！ INCREASE 300 % EFFICIENCY!

榮獲多國專利的革命性新型吸料筒，利用空氣負壓原理，讓塑料在被輸送的同時在料筒中翻動，使粉塵與塑料分離達到3倍除塵之效果。整體不鏽鋼材質搭配透明強化玻璃的設計，專為講究低粉塵或無塵的光學界所使用。

Revolutionary suction hopper, which is awarded patents in various countries, uses the anti-air pressure theory to stir resin during conveying and separates dust and resin. To compare with other air filters, it can increase 300 % efficiency to de-dust. Stainless design with transparent tempered glass gives a clear view, and it is perfect for optics need of dust-free.

德國專利 German Pat.: 20113935.9 / 日本專利 Japan Pat.: 3084326 / 台灣專利 Taiwan Pat.: 491126 / 大陸專利 China Pat.: 01242677.6

### 空氣填料機 Tube Loader

採空氣輸送方式更有效率，無馬達設計，低噪音、體積小、重量輕，可直接放置在成型機上，不需再另外添購自動填料機輸送原料，節省空間與設備成本。每次抽料量可低於10公克，符合小批量、多種類的生產，穩定性高，高效率輸送可避免原料回潮之困擾。

Light weight and compact size can be directly mounted to any hopper and machine without purchasing another vacuum loader. Save cost and space. Best feature to using compress air efficient venture draws resin from material tank. Stainless unique design is dust-free, clean-free and no motor and low noise perfect for clean room, indoor work, electronics and medical users. The draw in bulk capacity smaller than 10 gram. Good for small batch and various kinds of production supply to prevent moisture return of resin. One touch power switch and knobs simply control the suction condition.



## 節能快速乾燥機 Rapid Dryer



產品已獲得台灣及日本專利，可大幅減少烘烤時間並節省電費，且不用換掉原有的料斗乾燥機，只要加裝此設備，即可產生效益。可減少不良品產生，並能廣泛適用多種原料，不用擔心因換原料而不適用。結合現代網路科技，與手機及平板連線設定生產參數，隨時監控機台運作狀況，生產效率大提昇，並可利用 USB 裝置列印一個月的電量使用狀況，充分掌握電力成本。

Wide application for variety resins to use exist hopper dryer or new ones to dry faster. Special for Nylon normally takes four hours to dry, that saves 50% of time and 30% of energy after equipped with RD. After drying processing, the yield rate of output increases and moisture content reaches nearly 0.02%. Easy maintenance for operators only regularly replace air filter and dust/oil collector. Standard package with P.I.D. temperature controller, weekly timer, overheat alarm. Optional advanced solution with Human Machine Interface (HMI) control more accurately.

台灣專利 Taiwan Pat.: M489068

日本專利 Japan Pat.: 3194552



## 節能料斗乾燥機 Energy-efficient Hopper Dryer



擁有德國、台灣及大陸專利。最新技術加快乾燥速度，每小時省電可超過30%，同時可降低故障率延長機器壽命。搭配專屬的效能增強裝置，還能過濾原料中的粉塵與油氣，工作環境更舒適，節能又環保。

Awarded patents in Germany, Taiwan and China. The advanced technology recycles internal heat and faster heating. That saves your energy over 30% and extend equipment's life time. Option Heat Exchange Intensifier(HEI), it can separate dust and oil for better quality. An energy-efficient device can save energy and improve working environment for you.

德國專利 German Pat.: 202013009957.7

台灣專利 Taiwan Pat.: M461534

大陸專利 China Pat.: 201320264074.7



## 多功能型除濕乾燥機 Multi-Function Dehumidifying Dryer

三機一體的設計不佔空間且低噪音。體積小、流線造型的設計粉塵不易附著、容易清潔。可達露點-40°C或以下，解決產品的流痕、水泡、銀條、龜裂、透明度不佳等問題，確保您的產品品質穩定、降低成本及縮短乾燥時間。

The three-in-one design is compact to save your space and low-noise to improve your working environment. Stainless hopper dryer is durable and easy to clean as the unique external installation. It solve your problems such as record grooves effect, entrapped air, stree-whitening, moisture streaks, and more, and also can reach dew point -40°C and lower ensure the quality of your products, lower your costs, and shorten drying time.



## 結晶式料斗乾燥機 Crystallized Hopper Dryer

內部附加一支攪拌器，特製的多樣式葉片設計與一體成型的不鏽鋼保溫筒身，在乾燥機運作時，同時地攪拌筒內的塑料，亦可增加 I.V. 值，不僅使塑料乾燥均勻而且加快塑料乾燥的速度，節省能源。是 PET 使用者不可或缺的最佳工具。

The crystallized hopper dryer is designed with a unique mixer inside the stainless insulated hopper. The unique mixer stirs the resin simultaneously while the unit is drying. To crystallize, it increases the I.V. value and speeds up the crystallization. To dry, the mixer dries evenly and shortens the drying time. YANN BANG crystallized hopper dryer is the best choice for PET user.



## 直結式真空乾燥機 Vacuum Dryer

利用真空原理對原料進行二次乾燥，短時間內即可快速降低塑料含水率，露點可達-25°C。智能化人機介面，操作簡易方便，隨時偵測真空度，確保物料的穩定度。可搭配任何廠牌的料斗乾燥機，充分運用原有設備即可大幅提昇乾燥品質，達到省時、省工、省電、省空間又環保的效益。

With patents technology in Germany, Japan, Taiwan and China re-dry plastic resins by the vacuum theory to quickly reduce moisture content in short time and reach dew point down to -25 °C. Human-machine interface control system is user-friendly and able to detect vacuum condition and stability anytime. Any brand of hopper dryer can install directly upon it to upgrade your drying production more efficiently without occupying your space but save more time and energy cost.



德國專利 German Pat.: 202013009958.5

台灣專利 Taiwan Pat.: M461532 & M462172

日本專利 Japan Pat.: 3187454

大陸專利 Pat.: 201320263929.4 & 201320263964.6



## 直立式真空填料機 Auto Vacuum Loader (Hopper Mounted)

具重量輕、體積小、低噪音、操作簡易與容易安裝等優點，適合不需經常更換原料的使用需求，可直接放置於料斗乾燥機或成型機上。多款系列的真空填料機可選擇，除輸送塑膠顆粒原料外，另外有適合粉塵較多或粉狀原料的機型可供選擇。

Compact size, light weight, low noise, easy operation and installation, suit to convey one kind of resin or material, can install upon a hopper dryer or molding machine directly. Besides conveying plastic pellet. Also provide other unique design loaders for conveying powder or pellet with heavy powder.



## 分離式真空填料機 Auto Vacuum Loader (Floor Mounted)

主機與吸料筒分離的設計適合長距離原料輸送，吸力特強，將馬達與專利空氣濾清器(台灣專利NO.225304，選配)外移，讓定期保養與維修的裝卸更容易又節省時間，讓工作場所一塵不染。若需要加裝配件如旋風集塵器、交換閥等，不再需要回廠修改安裝，直接自行安裝即可。

The separated design of a blower and a suction hopper with mighty horsepower is suitable for long distance conveying. motor and patented filter (Taiwan Pat. NO.225304, option) are moved out by new design so you can maintain or change without removing the case. Moreover, you can directly install optional equipment such as a vortex cyclone (VC) without remodel your loader.



## 一機多用填料機 Multi Loaders (小型中央供料輸送系統 Mini Central Conveying System)

分離式系列可搭配二個以上的儲料筒，一對多輸送。單一主機可分別供應多台成型機使用。附有特殊的抽空截料裝置，將輸送管中的材料完全抽空，達到防止回潮之最佳效益。可當作小型中央供料系統使用。

Floor mounted series can work with more than one suction hopper. This auto loader uses one blower with multi suction hoppers that operate separately. With the pipe-clean device, this unique design delivers material without remaining any resin inside the pipe to prevent resorbing moisture. Save your cost and space.

## 吸粉型吸料筒 Suction Hopper for Powder

搭配分離式自動填料機 (TAE 系列) 使用。適用粉狀、粒狀或薄片狀原料，新料、回收料都沒問題，特殊設計不卡料且可防止粉塵外洩，保持廠房清潔。可加裝集塵裝置，延長主機使用壽命，並避免材料浪費，是粉料輸送好幫手。

Working with a floor-type auto loader (TAE series) can help you not only solve powder problem but also good for pellet or flake resins. With HSP, no longer worry about the powder jam at the bottom. Optional Vortex Cyclone makes your maintenance easier that collects dust of powder automatically and extends machine life longer.



## 二機一體輸送乾燥機 2-in-1 Conveying Dryer

結合乾燥與輸送功能的絕佳產品，雙層保溫式料斗乾燥機加上專利(台灣 226245 大陸 01258213.1) 熱風回收裝置，確保溫度穩定、加快塑料乾燥且無熱氣與粉塵污染，增加工作效率，節能又環保。自動填料機的密閉結構與抽空裝置可避免塑料回潮、靜電產生與原料污染，確保品質穩定。

Hopper dryer combine vacuum loader is perfect to move anywhere for your need. A stainless insulated hopper dryer with dual layer to help drying better and faster. Patented (Taiwan 226245 China 01258213.1) Heat-recycler can save your energy and decrease the pollution of hot air and dust. Vacuum loader automatically supplies dried resin to avoid the shortage of material during production. Installed pipe-clean device and close cycle can prevent the moisture return, static electricity and resin pollution inside the pipe for better quality.



### 恆溫型冷凍機 Constant Chiller

提供穩定且精準的溫度控制，讓您擺脫傳統冷凍機溫度上上下下的困擾，恆溫設計能省電並延長機器壽命，高效能冷凝器不但具有高熱傳導作用，且體積縮小 35% 節省空間，模具冷卻溫度能控制在 $\pm 1^{\circ}\text{C}$ 內，產品品質有保障且能降低不良率。

Different to traditional chiller with unstable temperature degree. set temperature by your required degree precisely and keep it steadily. Save energy and extend machine life. Simple input required mold's cooling temperature, the chiller control within  $\pm 1^{\circ}\text{C}$  to ensure high-quality products. High-efficiency condenser allows working in high heat conduction as well as reduce 35% of unit size for space save.



### 高階多功能冰溫機 Advanced Multi Mold Temperature Controller

業界首創冷凍機與模溫機二合一的單機，可同時供應冰水與熱水處理模具冷卻與加熱不同需求，冰水 $5\sim 30^{\circ}\text{C}$ 、熱水可達 $180^{\circ}\text{C}$ ，範圍廣泛，適合各種不同業界的需求，買一台同時獲得兩台功能，省錢、省電、省空間。

Different to traditional chiller with unstable temperature degree. set temperature by your required degree precisely and keep it steadily. Save energy and extend machine life. Simple input required mold's cooling temperature, the chiller control within  $\pm 1^{\circ}\text{C}$  to ensure high-quality products. High-efficiency condenser allows working in high heat conduction as well as reduce 35% of unit size for space save.



### 高溫水式模具控溫機 Water-Type Mold Temperature Controller (High Degree)

只需一顆泵浦就能達到 $140^{\circ}\text{C}$ ，省電、經濟、實惠。溫度精準，穩定性高。以 $0.1^{\circ}\text{C}$ 單位控制與顯示，模具溫度更精確，誤差值 $\pm 0.3^{\circ}\text{C}$ 以下，最適合高精密度的電子產業。

The new series "WATER-TYPE MOLD TEMPERATURE CONTROLLER (HIGH DEGREE)" from YANN BANG is able to reach the high temperature degree with only one pump up to  $140^{\circ}\text{C}$ . Precise temperature control and high stability control by  $0.1^{\circ}\text{C}$  as a unit to display. The inaccuracy rate below  $\pm 0.3^{\circ}\text{C}$ . Perfect for precise requirement as electrical industry.



### 雙溫控模具控溫機 Dual-control Mold Temperature Controller

不用兩台、不用換機，一台可同時設定兩種溫度控制，公模、母模的不同溫度需求都可被滿足，提高精準度，成型品質穩定，大幅節省成本與時間，提高工作效率。專利(台灣 569920 大陸 01345946.5)斷熱式設計，延長機器壽命、保障工作安全、維護與保養更有效率。

No need two sets, no need to change machines often. Dual-control series is your best choice to control male mold and female mold different temperatures accurately. Save cost and time for higher efficiency. Patented (Taiwan 569920 China 01345946.5) Heat-insulated design improves your safety, extend the machine life and make maintenance more efficiently.



### 急冷急熱模具控溫機 Rapid Cool and Heat Mold Temperature Controller

急速達到升溫、降溫效果，比傳統機型快 3 倍，將模具受熱脹冷縮影響降至最低，消除表面溶接痕、波紋、銀絲紋等，不需後續噴漆等加工程序，產品表面光潔度如鏡面，降低製造成本，且節能又環保。同時提高塑料流動性，利於薄壁產品品質和強度提昇。系統具回收及保溫功能，省水、省電又縮短生產週期。

Required temperature to rise and drop rapidly and reduce impact of cold shrinkage and thermal expansion, maintain high product quality. The effect of product quality, including thin-wall molding and product strength. Control heating and cooling rapidly, remove the welding wires and traces, ruffles and silver marks on product surfaces, etc. The product's surface is smooth as finish as a mirror. Not require follow-up painting and other processing procedures, reduce manufacturing costs and cover both of energy-saving and environment-friendly.



## 立即回收系統 Instant Recycling System

真空填料機+料斗乾燥機+混合比例閥+粉碎機  
Auto Vacuum Loader+ Hopper Dryer+ Proportional Valve+ Crusher

本系統為一小型自動化機邊回收系統，由粉碎機、真空填料機、料斗乾燥機與混合比例閥四個獨立的設備組合而成，亦可配合機械手與輸送帶一併使用，其主要功能是把塑膠射出成型後之水口料、邊料立即粉碎後酌量混入新料中，不但不影響成品品質，且可減少資源浪費。

A small automatic peripheral instant recycling system for you molding machine combine with four individual equipments: crusher, automatic vacuum loader, hopper dryer and proportional valve. Also can be used with a robot or belt conveyor. The main function is to mix the granulated waste directly from the injection molding machine and the virgin material with a right proportion. Benefit you with less material waste and pollution for your standard products.



## 強力型粉碎機 Mighty Crusher

適合各種塑膠材料集中粉碎回收使用。進料口大、方便投料、分批投料次數減少，省時有效率。新型刀具設計能完全發揮粉碎效果，剪斷力輕、低噪音、低粉塵，減輕馬達負荷，延長機器壽命。專利(大陸 200820119883.8)安全設計確保作業人員安全。另有隨機型、慢速靜音型供選擇，貼近您的需求。

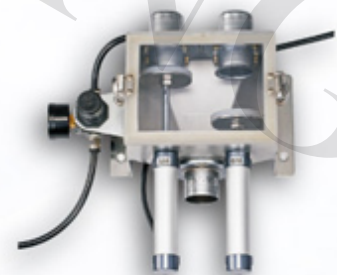
Suitable to centralize and recycle the waste of injection, blowing and extrusion molding machine. Large feed inlet can break most kinds of plastic or rubber scrape and waste material easily, bulk feeding more efficiently, labor cost and time. New design of cutting blades is stronger to break but less harm motor. With well-thought safety protection design and low noise and dust for better working environment. Patented (China Pat. 200820119883.8) safety device for your safety. Instant type, low-speed silence type are also available.



## 混合比例閥 Proportional Valve

用於新料與舊料互相混合，以計時器之比例差作交換吸引，將舊料酌量混入新料中，不但不會影響成品的品質，且可減少資源浪費與降低成本。

The device is used for mixing virgin resin with regrind resin in proportion via the auto loaders. It can be used with any auto loaders and saves labor and raw material costs.



## 立式攪拌機 Vertical Mixer

多片葉片產生渦流全方位混合，能快速且攪拌均勻，整體內外拋光，不殘留攪拌物。附安全裝置保護您的工作安全。另有臥式、可傾斜式攪拌機供客戶選擇。

Applied with vertical gear speed reducer and multi blades of multi-helical angles. The surface of inner is stainless made, no polluting and durable. Mix well and rapidly. Complete safety protection. Horizontal Mixer, Slant Mixer are also available.



## 自動計量配色混料系統 Auto Dosing And Mixing System

自動計量配色混料系統採用人機介面智能控制，操作簡單且計算精確。運用自動化的計量裝置，可精確地計算粉狀、粒狀等塑料、色母或添加劑，有效降低成品不良率，讓您的成品品質穩定外，更節省能源、原料成本與人工等費用。不鏽鋼材質美觀、耐用，分區式設計結構，不會互相污染且拆裝容易、方便清理。人機介面、控制箱與多個儲料筒一體精巧設計，不佔空間且附上工作輪方便移動使用。單機就可以處理全部配色混料的需求，可與射出機、押出機等機台接合成單一落地，亦可保持工作環境的整潔。

YANN BANG provide gravimetric and volumetric auto dosing and mixing system (ADMG / ADMX ) to operate and control by human machine interface (HMI). That measures the powder resin, granule resin, master-batch or additive precisely in exact amount to keep your products in right color with good quality. Both series can complete all kinds of dosing and mixing at once working with your injection / extrusion molding machine and more. Moreover, that can help you to save the energy cost, labor cost, and equipment cost. Multi hoppers in one unit can run all operation by HMI that is more accurate and easy to set. Stainless individual function unit design is durable and convenient to clean and discharge. Compact size with mobile stand is easy to move anywhere and make your working area clean and organized.

台灣專利 Taiwan Pat.: M296981 & M487827 大陸專利 China Pat.: 2006200556615



累重式  
ADMG



體積式  
ADMX

## 色料色母自動計量器 Master-Batch Feeder

採先進的智慧型自動演算程式控制系統。只要輸入每模成品重，進料時間、計料量及色母添加率，程式便會自動演算出所需之R.P.M.，計量精準、操作方便，且有十組記憶儲存功能，省去換色清筒的時間。

The master-batch feeder have user-friendly microprocessor control panels to ensure accurate dosing. By keying in the weight of the product, screw back time per shot, dosing capacity per turn, and the addition rate of the master-batch, the computer will calculate the R.P.M. automatically. It also has the function to store up to 10 sets of R.P.M. setting. Save time to switch color.



## 粉體計量器 Master-Batch Feeder for Powder

專為粉狀之色母、色粉、添加物與塑料配色並混合攪拌之用，符合少量多種的精準計量要求。每組計量器可單獨控制與操作外，可視客戶需求隨時增加擴充為系統。

Excellent for the dosing and mixing of master-batch, powder additives and powder resin. Easy operation, save time to switch color, flexible extension, precise calculation and individual control.



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