

2024 台北國際塑橡膠工業展

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PLAS AWARD**



入圍作品指南 / Nominees Guide

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臺灣機械工業同業公會

E-book



塑橡膠原料類

Plastic & Rubber Material Category

- 02 凱傳工業股份有限公司
KCI MASTER INDUSTRIES CORP.
- 03 台灣永光化學工業股份有限公司
EVERLIGHT CHEMICAL INDUSTRIAL CORPORATION
- 04 台灣永光化學工業股份有限公司
EVERLIGHT CHEMICAL INDUSTRIAL CORPORATION

塑橡膠製品類

Plastic & Rubber Product Category

- 06 翔音企業股份有限公司
XIANG IN ENTERPRISE CO., LTD.
- 07 德春股份有限公司
AUSPRING CO., LTD.

塑橡膠機械設備類(射出成型機械)

Plastic & Rubber Machine Category (Injection Molding Machine)

- 09 震雄機械廠股份有限公司
CHENHSONG MACHINERY CO., LTD.
- 10 富強鑫精密工業股份有限公司
FU CHUN SHIN MACHINERY MANUFACTURE CO., LTD.
- 11 富強鑫精密工業股份有限公司
FU CHUN SHIN MACHINERY MANUFACTURE CO., LTD.
- 12 天崗精機科技股份有限公司
TIEN KANG CO., LTD.
- 13 華嶸精密機械股份有限公司
HUARONG PLASTIC MACHINERY CO., LTD.
- 14 華嶸精密機械股份有限公司
HUARONG PLASTIC MACHINERY CO., LTD.

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塑橡膠機械設備類(押出成型機械) Plastic & Rubber Machine Category (Extrusion Molding Machine)

16 頡懋實業股份有限公司
EVERPLAST MACHINERY CO., LTD.

17 長毅機械工業有限公司
GENIUS MACHINERY CO., LTD.

塑橡膠機械設備類(中空成型機械) Plastic & Rubber Machine Category (Blow Molding Machine)

19 銓寶工業股份有限公司
CHUMPOWER MACHINERY CORP.

20 金展精密科技工業股份有限公司
KEENPRO INDUSTRY CORP.

塑橡膠機械設備類(周邊及零組件產品) Plastic & Rubber Machine Category (Parts & Components)

22 晏邦電機工業有限公司
YANN BANG ELECTRICAL MACHINERY CO., LTD.

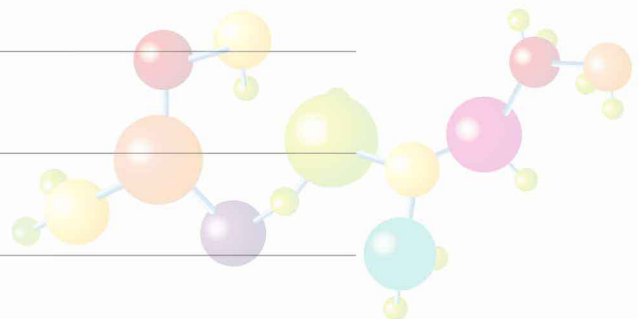
23 儀辰企業股份有限公司
EARTH-CHAIN ENTERPRISE CO., LTD.

24 華周工業股份有限公司
HCI CONVERTING EQUIPMENT CO., LTD.

25 金爪機械工業有限公司
TENSO MACHINERY IND. CO., LTD.

26 勁勝科技有限公司
JING SHENG TECHNOLOGY

27 玉鼎電機實業有限公司
GREEN TEMP TECH MACHINERY CO., LTD.



2024年台北國際塑橡膠工業展



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塑橡膠原料類

Plastic & Rubber Material Category

凱傳工業股份有限公司

KCI MASTER INDUSTRIES CORP.

台灣永光化學工業股份有限公司

EVERLIGHT CHEMICAL INDUSTRIAL CORPORATION

入圍作品指南 / Nominees Guide



凱傳工業股份有限公司
KCI MASTER INDUSTRIES CORP.

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攤位號碼：N0610

公司主要產品 / MAIN PRODUCTS:

色母、添加劑色母、染色加工成品粒、生物質色母粒、雲的母粒

Masterbatch、Additive Masterbatch、Compounding、Bio-based Masterbatch、Cloud Masterbatch

作品名稱 / SELECTED MODEL:

雲的母粒—隔熱氣凝膠母粒

Cloud chips – Thermal Insulation Aerogel Masterbatch



作品特色 / PRODUCT FEATURES:

隔熱氣凝膠母粒透過本公司先進的母粒加工技術，在前處理過程中有效捕捉輕盈的氣凝膠粉體，減少氣凝膠的飛散，並與塑料材料複合形成母粒，使其適用於各類型的塑料加工製程，顯著提升產品的隔熱與保溫性能。在高溫環境中，該產品能降低內部溫度2至5度；而在低溫環境中，則能提升2至5度的保溫效果。應用於保溫容器時，能延長20%的保溫效能；在室內隔熱建材的應用中，則可降低17%的空調運行頻率，從而節約電能消耗，助力綠色建築。

The thermal insulation aerogel masterbatch, through our company's advanced masterbatch processing technology, effectively captures the lightweight aerogel powder during the pre-treatment process, reducing the dispersion of aerogel and combining it with plastic materials to form a masterbatch. This makes it suitable for various plastic processing applications, significantly enhancing the thermal insulation and temperature retention properties of products. In high-temperature environments, this product can lower the internal temperature by 2 to 5 degrees; in low-temperature environments, it can increase the insulation effect by 2 to 5 degrees. When applied to thermal containers, it can extend insulation efficiency by 20%; when used in indoor thermal insulation building materials, it can reduce the air conditioning operation frequency by 17%, thereby saving energy consumption and contributing to green building initiatives.



台灣永光化學工業股份有限公司
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攤位號碼：N0214

公司主要產品 / MAIN PRODUCTS:

紫外線吸收劑、光安定劑、抗氧化劑、反應型染料

UV Absorbers、Light Stabilizers、Antioxidants、Polymeric Colorants

作品名稱 / SELECTED MODEL:

Eversorb® 991



作品特色 / PRODUCT FEATURES:

在當今快速發展的材料科學領域，提升聚合物產品的性能和耐久性始終是研究的重點之一。PCR（Post-Consumer Recycled，消費後回收）材料在環保和可持續發展方面有著重要的應用，但其耐候性（即在各種環境條件下保持性能和外觀的能力）往往是令人擔憂的問題。針對這一挑戰，最新推出的產品 Eversorb® 991提供了一個革命性的解決方案，顯著提升了PCR-PP材料的耐候性。

In the rapidly evolving field of materials science, enhancing the performance and durability of polymer products has always been a key focus of research. PCR (Post-Consumer Recycled) materials have significant applications in environmental protection and sustainable development, but their weather resistance (i.e., the ability to maintain performance and appearance under various environmental conditions) is often a concern. Addressing this challenge, the newly launched product Eversorb® 991 offers a revolutionary solution, significantly improving the weather resistance of PCR materials.

台灣永光化學工業股份有限公司
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攤位號碼：N0214

公司主要產品 / MAIN PRODUCTS:

紫外線吸收劑、光安定劑、抗氧化劑、反應型染料

UV Absorbers、Light Stabilizers、Antioxidants、Polymeric Colorants

作品名稱 / SELECTED MODEL:

Eversorb® MPU系列功能性母粒產品

Eversorb® MPU Functional Masterbatches



作品特色 / PRODUCT FEATURES:

解決「TPU超臨界物理射出發泡」之耐候不足與染色困難的痛點:

Eversorb® MPU620 耐候母粒: 不含對環境有害的化學品，解決發泡材料易受紫外線照射所產生的黃變及褪色問題，可延緩產品黃變1~2年以上。長時間保持鞋材的潔白外觀並延長使用壽命進而降低廢料所造成的碳排。

Eversorb® MPU 彩色母粒: 使用反應型高分子染料Evertint®化學接枝於TPU，可解決使用顏料母粒發泡過程中因成核、氣泡增生所導致的高不良率。此外，產品顏色鮮豔具有高色牢度，同時機台清潔容易快速。

Addressing the Weathering and Dyeing Challenges of TPU Supercritical Physical Injection Foaming:

Eversorb® MPU620 Weathering Masterbatch: Free from harmful chemicals, this masterbatch addresses the issues of yellowing and fading caused by UV exposure in foamed materials. It can delay product yellowing for over 1 to 2 years. It maintains the pristine white appearance of footwear materials for extended periods, prolonging the lifespan of the product and reducing carbon footprint associated with waste.

Eversorb® MPU Color Masterbatch: Utilizing reactive polymeric dyes from Evertint®, which are chemically grafted onto TPU, this masterbatch resolves the high defect rates associated with pigment masterbatches during the foaming process due to nucleation and bubble growth. The product offers vibrant colors with high color fastness, and it is also easy to clean the machinery quickly.

2024年台北國際塑橡膠工業展



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塑橡膠製品類

Plastic & Rubber Product Category

翔音企業股份有限公司
德春股份有限公司

XIANG IN ENTERPRISE CO., LTD.
AUSPRING CO., LTD.

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翔音企業股份有限公司 XIANG IN ENTERPRISE CO., LTD.

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攤位號碼：M0830

公司主要產品 / MAIN PRODUCTS:

熱轉印膜、模內標籤

Heat Transfer Film, In Mold Label

作品名稱 / SELECTED MODEL:

水墨印刷標籤

Water-based Ink Printed Labels



作品特色 / PRODUCT FEATURES:

零污染：凹版印刷原使用油性墨，在印刷過程中為使其乾燥，須搭配揮發速度快的有機溶劑(如甲苯)，這將產生大量的空氣汙染；而水性墨則運用水及少量的食用酒精去取代有機溶劑，其排出的氣體不會造成空氣汙染，危害健康。

低碳排：為符合現行法規，製程產出之空氣汙染須經由防制設備處理後方能排入空氣中。然防治設備的運行需要電力、瓦斯等其他能源，反而增加了碳排放，顯然與世界趨勢背道而馳，使用水性墨印刷則無需增設防制設備。

Non-Pollution: Traditional gravure printing uses solvent oil-based inks that require fast-evaporating organic solvents to dry, such as toluene. This process results in significant air pollution. In contrast, water-based inks use water and a small amount of ethanol instead of organic solvents, producing gases that do not cause air pollution or harm the health of individuals and environment.

Low Carbon Emission: To comply with current regulations, air pollutants generated during the manufacturing process must be treated by control equipment before being released into the atmosphere. However, operating this equipment requires electricity, gas, and other energy sources, which can increase carbon emissions and contradict global trends. By using water-based inks for printing, the need for additional control equipment is eliminated.



塑橡膠製品類

德春股份有限公司 AUSPRING CO., LTD.

104039 台北市中山區民族東路2號4樓之2
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TEL: +886-2-2598 1121 E-mail: service@auspring.com.tw
WEB: auspring.com.tw



攤位號碼：N0906

公司主要產品 / MAIN PRODUCTS:

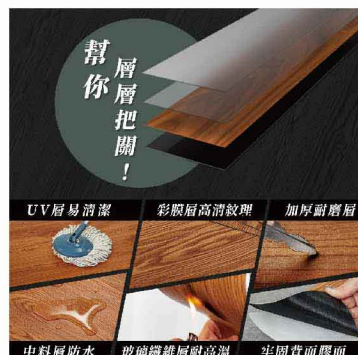
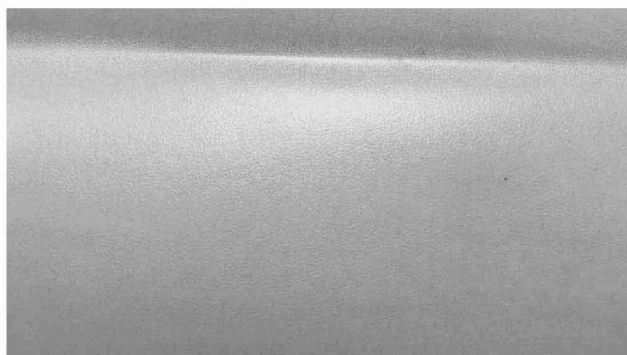
生質蛋殼母粒、生質牡蠣殼母粒、回收矽晶圓母粒，回收輪胎炭母粒

Bio-egg Shell Masterbatch, Bio-oyster Shell Masterbatch, Recycled Silicon Wafer Masterbatch, Recycled Tire Carbon Masterbatch

作品名稱 / SELECTED MODEL:

添加 Recycle SiO₂ 製成透明、耐磨、抑菌、遠紅外線、可 100%回收地膜

Adding Recycle SiO₂ To Make A Transparent, Wear-resistant, Antibacterial, Far-infrared, 100% Recyclable Mulch Film



作品特色 / PRODUCT FEATURES:

此地板膜產品使用”護國神山” Recycle SiO₂通過歐盟ROHS、REACH、AfPS(德國產品安全委員會)認證。結合相關工藝，製成透明、耐磨、抑菌、遠紅外線、可100%回收地膜，將可以提高一般地板透明表層的耐磨度與耐用性，又可以有抑菌防護，遠紅外線促進人體血液循環的特性，且與地板使用後結合工藝可以100%全回收再製。符合ESG循環經濟國際規範。

This floor membrane product uses "Guoguo Shenshan" Recycle SiO₂ and has passed EU ROHS, REACH, and AfPS (German Product Safety Council) certifications. Combined with relevant processes, it is made into a transparent, wear-resistant, antibacterial, far-infrared, and 100% recyclable mulch film, which can improve the wear resistance and durability of the transparent surface of general floors, and can also provide antibacterial protection. Far-infrared rays promote human blood circulation. It has the characteristics of recycling, and can be 100% fully recycled and remanufactured when combined with the flooring process after use. Comply with international standards for ESG circular economy.

2024年台北國際塑橡膠工業展



塑橡膠機械設備類(射出成型機械)

Plastic & Rubber Machine Category
(Injection Molding Machine)

震雄機械廠股份有限公司

CHENHSONG MACHINERY CO., LTD.

富強鑫精密工業股份有限公司

FU CHUN SHIN MACHINERY MANUFACTURE CO., LTD.

天崗精機科技股份有限公司

TIEN KANG CO., LTD.

華礫精密機械股份有限公司

HUARONG PLASTIC MACHINERY CO., LTD.

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震雄機械廠股份有限公司 CHENHSONG MACHINERY CO., LTD.

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攤位號碼：K0104

公司主要產品 / MAIN PRODUCTS:

射出成型機

Injection Molding Machine

作品名稱 / SELECTED MODEL:

油電式液態矽膠專用射出成型機

SM100EH-LSR



作品特色 / PRODUCT FEATURES:

1. 注塑過程中監測運動狀態(<1ms)
 2. 配合高速壓力傳感器數據
 3. 模具排氣泄壓設計，產品無毛邊(節省溢料損耗)
 4. 合模單元採用線性導軌設計，摩擦力小，控制精度高
 5. 液態矽膠射出系統料管採截流射嘴，非螺桿式射料桿
 6. 快拆式射料系統(20min)，搭配電動射料缸
 7. 配備智能高速運算監測注塑，保壓，硫化，開合模等全週期數據監測
 8. 機多料管徑：φ12-φ55隨時可更換(免換機)
1. Real-time monitoring of movement during the injection process (<1ms)
 2. Integrated with high-speed pressure sensor data
 3. Mold exhaust and decompression design, ensuring no burrs on products (saves material waste)
 4. Clamping unit utilizes a linear guide rail design, offering low friction and high control precision
 5. Liquid silicone injection system uses a shut-off nozzle instead of a screw-type injection rod
 6. Quick-release injection system (20 minutes), equipped with an electric injection cylinder
 7. Equipped with intelligent high-speed monitoring of injection, holding pressure, vulcanization, mold opening, and closing with full cycle data tracking
 8. Multi-diameter barrel adaptability: φ12-φ55 interchangeable without the need to change machines

富強鑫精密工業股份有限公司

FU CHUN SHIN MACHINERY MANUFACTURE CO., LTD.

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攤位號碼：J0806

公司主要產品 / MAIN PRODUCTS:

伺服節能環保型射出機、全電式精密射出成型機、雙色射出成型機、精密射出模具、iMF 4.0 智慧製造工廠
Advanced Servo Hydraulic Injection Molding Machine, All-electric Injection Molding Machine, Two-component Injection Molding Machine, High Precision Injection Mold, Imf 4.0 Intelligent Manufactory

作品名稱 / SELECTED MODEL:

二板式電動射出機

Two-Platen Electric Injection Molding Machine



作品特色 / PRODUCT FEATURES:

LM1700e是台灣首創的大型二板電動射出機，結合創新技術與高效能設計，六軸伺服馬達控制，包括射出、儲料、開關模、束牙、托模、座進退，其開關模速度高達700mm/s。射出採用三馬達同步控制技術，支持Φ140mm螺桿，具備快速、精準、省能和降噪特性，並配備電力回收系統，相較傳統油壓機可節能60%以上。開模行程可客製化延展，特別適合深桶型產品。以4kg產品為例，日產能可提升18%以上，使用30%回收料比例，每年可減少383噸CO2e碳排放。預期2024年銷售占比將達3-5%，並穩定成長。

LM1700e is first-innovated large two-platen electric injection machine in Taiwan, combining innovative technology and high-performance design. It features six-axis servo motors control for injection, charging, mold opening and closing, ejector, and carriage movement, achieving mold opening and closing speed up to 700mm/s. The injection system uses three motors synchronous control technology, supporting a Φ140mm screw, and offers fast, precise, energy-saving, and noise-reducing characteristics. Equipped with a power recovery system, it saves over 60% energy compared to traditional hydraulic machines. The mold opening stroke can be customized for deep-barrel products. Take a 4kg product for example, daily production capacity can be increased more than 18%. If we use 30% recycled materials on this part, it would reduce 383 tons of CO2 emission annually. We expect the sales of this type of machine is 3-5% in 2024 and it will grow steadily.



富強鑫精密工業股份有限公司
FU CHUN SHIN MACHINERY MANUFACTURE CO., LTD.

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攤位號碼：J0806

公司主要產品 / MAIN PRODUCTS:

伺服節能環保型射出機、全電式精密射出成型機、雙色射出成型機、精密射出模具、iMF 4.0 智慧製造工廠
Advanced Servo Hydraulic Injection Molding Machine, All-electric Injection Molding Machine, Two-component Injection Molding Machine, High Precision Injection Mold, Imf 4.0 Intelligent Manufactory

作品名稱 / SELECTED MODEL:

智慧型外曲肘射出機
Intelligent Outward Toggle Injection Molding Machine



作品特色 / PRODUCT FEATURES:

因應全球高精密、低耗能與智慧化之產品需求，SA系列智能型外曲肘射出機採用集中支撐節點設計，可減少模壁變形並延長模具壽命。透過設計優化，模壁剛性提升30%、開模行程增加16%、結構輕量化11.5%，兼具低能耗與機台響應。搭載大柱鎖模力自適應回控系統，可自動校正鎖模力並進行異常預警。友善電控界面與全罩式鈹金安全設計，提升操作友好性及安全防護。高響應伺服油泵系統降低能耗50%以上，並可結合MuCell發泡技術實現淨零碳排之永續目標。

In response to the global demand for high-precision, low-energy consumption and smart products, the SA series intelligent outward toggle injection machine adopts a centralized support design, which can reduce platen deformation and extend mold life. Through design optimization, the platen rigidity is increased by 30%, the mold opening stroke is increased by 16%, and the structure is lightweight by 11.5%, achieving both low energy consumption and machine response. It is equipped with a tie bar clamping force adaptive return control system, which can automatically correct the clamping force and provide abnormal warning. Friendly-operating Interface and fully-covered safety shield improve operation friendliness and safety protection. The high-response servo oil pump system reduces energy consumption by more than 50%, and can be combined with MuCell foaming technology to achieve the sustainable goal of net-zero carbon emissions.

天崗精機科技股份有限公司 TIEN KANG CO., LTD.

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攤位號碼：I1016

公司主要產品 / MAIN PRODUCTS:

EVA射出成型機	Eva Injection Molding Machine
熱壓成型機	Compression Molding Machine
SCF物理性發泡射出成型機	Scf Injection Molding Machine
橡膠/塑膠射出成型機	Injection Molding Machine
橡膠/塑膠壓縮成型機	Pu Casting

作品名稱 / SELECTED MODEL:

GENTREX TK-927 物理性發泡射出成型機

GENTREX TK-927 SCF Physical Foaming Injection Molding Machine



作品特色 / PRODUCT FEATURES:

1. 減少人力：本產品搭配機械臂可達到產線100%自動化，連帶提高產量。
 2. 降低能源耗損、空間占用和成本：簡化傳統製程中的多道工序，節省多餘製程設備的採購成本，讓廠房面積得以有更多運用形式。
 3. 製程原料採用可完全回收再利用之素材，即使發泡原料之氮氣回歸自然，也對環境無負面影響
 4. 多功能機器
1. Reduce Manpower: By pairing this product with a robotic arm, the production line can achieve 100% automation, thereby increasing production output.
 2. Reduce Energy Consumption, Space Occupation, and Costs: Simplifying multiple processes in traditional manufacturing, saving on the purchase costs of redundant process equipment, and allowing for more flexible utilization of factory space.
 3. Able to process sustainable materials providing 100% recyclable and reusable production, avoiding waste of resources
 4. Multifunction machine, able to process Co-molding, Direct Attach, Sandals, Midsoles, and more all in one machine.



華嶸精密機械股份有限公司
HUARONG PLASTIC MACHINERY CO., LTD.

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WEB: www.huarong.com.tw

攤位號碼：J0818

公司主要產品 / MAIN PRODUCTS:

臥式射出機，立式射出機，自動化設備，塑膠射出周邊設備
Horizontal / Vertical Plastic Injection Machine, Automation and Auxiliary Equipment

作品名稱 / SELECTED MODEL:

超節能直驅式儲料智慧射出成型機
Ultra-Efficient Direct Drive Smart Injection Molding Machine



作品特色 / PRODUCT FEATURES:

- 「直驅式儲料射出系統」與「兩板式智慧射出成型機」結合
- 創新性：**儲料伺服電機結構、懸浮式哥林柱軸承模組、內界定滑腳模組與定位裝置。
- 提升產能效率：**高壓鎖模行程短2毫米，快速建立鎖模力；生產總時間縮短25%。
- 降低能源消耗：**儲料過程耗能減少26%，整體節能效果達70%。
- 降低運營成本：**儲料系統結構簡化，維護成本降低。
- 產品尺寸比曲肘式縮短30%，節省廠房空間。
- 工業4.0及智慧製造：**即時監視生產狀態、預知保養、機台運作，接軌管理系統。

Direct-Drive Material Storage Injection System" combined with "Two-Platen Intelligent Injection Molding Machine

Innovation: Storage servo motor structure, suspended Corinthian column bearing module, inner bounding sliding foot module and positioning device.

Enhancing Production Efficiency: The high-pressure clamping stroke is 2 mm shorter and the clamping force is quickly established; the total production time is shortened by 25%.

Reducing Energy Consumption: Energy consumption during the storage process is reduced by 26%, and the overall energy saving effect reaches 70%.

Lowering Operating Costs: The storage system structure is simplified and maintenance costs are reduced.

The product size is 30% shorter than the toggle type, saving factory space.

Industry 4.0 and smart manufacturing: Real-time monitoring of production status, predictive maintenance, machine operation, and integration with the management system.

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攤位號碼：J0818

公司主要產品 / MAIN PRODUCTS:

臥式射出機，立式射出機，自動化設備，塑膠射出周邊設備

Horizontal / Vertical Plastic Injection Machine, Automation and Auxiliary Equipment

作品名稱 / SELECTED MODEL:

髮夾雙射成型自動化生產系統

Hairpin Double-shot Molding &

Automatic Production System



作品特色 / PRODUCT FEATURES:

獨創塑膠射出髮夾全自動化生產系統

創新性：不規則形狀定位、夾持；創新穿針法；射出機轉盤結構；HFM智慧管理系統。

提高生產效率：雙色射出功能，週期同步完成；無二次裝配工序。

降低勞動成本：可一人多機，可24小時生產。

提升材料效率：先進控制系統確保材料精確使用、降低廢料率。

品質均一：沒有人工操作流程與作業，完美自動化產線，品質均一。

工業4.0及智慧製造：即時監視生產狀態、預知保養、機台運作，接軌管理系統。

Original plastic injection hairpin fully automated production system

Innovation: Irregular shape positioning and clamping; innovative needle threading method; injection machine turntable structure; HFM intelligent management system.

Improve production efficiency: Dual-color injection function, the cycle is completed simultaneously; there is no secondary assembly process.

Reduce labor costs: One person can manage multiple machines and can produce 24 hours a day.

Improve material efficiency: Advanced control systems ensure precise use of materials and reduce scrap rates.

Uniform quality: There is no manual operation process and operation, perfect automated production line, uniform quality.

Industry 4.0 and smart manufacturing: Real-time monitoring of production status, predictive maintenance, machine operation, and integration with the management system.

2024年台北國際塑橡膠工業展



TAIPEI
PLAS

AWARD

塑橡膠機械設備類(押出成型機械)

Plastic & Rubber Machine Category
(Extrusion Molding Machine)

頤懋實業股份有限公司
長毅機械工業有限公司

EVERPLAST MACHINERY CO., LTD.
GENIUS MACHINERY CO., LTD.

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Everplast

塑橡膠機械設備類
(押出成型機械)

頤懋實業股份有限公司
EVERPLAST MACHINERY CO., LTD.

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攤位號碼：I0116

公司主要產品 / MAIN PRODUCTS:

- | | |
|--------------------------|---|
| 1. PVC/PS/ABS/WPC異型押出生產線 | 1. PVC/PS/ABS/WPC Profile Extrusion Machine Lines |
| 2. 塑膠管材&醫療管材押出生產線 | 2. Pipe & Medical Tube Extrusion Machine Lines |
| 3. 造粒設備生產線 | 3. Compounding Machine Lines |
| 4. 塑膠網子押出生產線 | 4. Plastic Net Extrusion Machine Lines |
| 5. 膠粒3D列印機 & 水泥3D列印機 | 5. Plastic Pellet & Cement-like 3d Printers |

作品名稱 / SELECTED MODEL:

押出型膠粒3D列印機

Extrusion-Based Pellet 3D Printer



作品特色 / PRODUCT FEATURES:

微小型螺桿押出單元，直徑10MM，搭配最小0.4MM噴嘴，有效改善列印表面細緻度。升降式床台配置熱風機構，強化列印環境溫控，同步優化列印的基礎與品質。全機精準控制加熱溫度 $\pm 1^{\circ}\text{C}$ ，達到節能的目標。較傳統系統節能約10%~20%。智慧化功能搭載，設備自主監控&遠端診斷，導入生產參數，操作簡單。自動關機與預熱功能，節能省時並減少危險發生。暫停與重新列印功能可解決重新列印的耗時/浪費材料/耗能問題。自動送料系統可達成連續列印需求。

Pellet screw dia. 10mm & 0.4mm nozzle to improve the fineness of Pellet 3D printing. A lifting bed & heating unit for better chamber temperature control and leads to a better printing quality. Precise temp. control $\pm 1^{\circ}\text{C}$ and makes it energy-efficient 10%~20% more than original system. Intelligent machine monitoring & remote diagnosis makes printing easier in operation. Auto shutdown & preheating function helps save energy, time and avoids fire hazards. Different to filament 3D printers, it could "pause & reprint" anytime to avoid defects in 3D printing process and also helps save material cost and reduce waste. Equipped with an auto material feeding system enables it to 3D print continuously.



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攤位號碼：K0130

公司主要產品 / MAIN PRODUCTS:

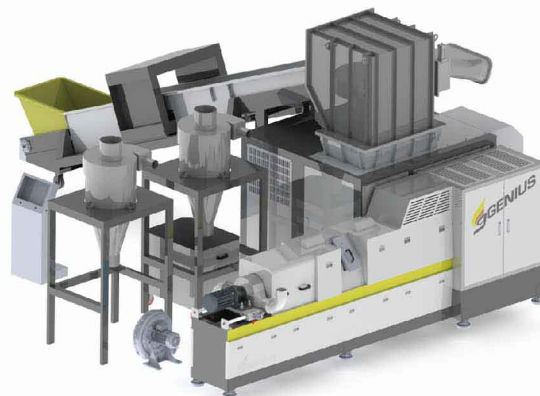
三機一體塑膠回收造粒機、塑膠薄膜擠乾機、塑膠水洗整廠設備、塑膠粉碎破碎機

Plastic Recycling Machine, Plastic Squeeze Dryer, Washing Line, Plastic Crusher & Shredder

作品名稱 / SELECTED MODEL:

破碎三機一體氣冷式造粒機

ShredMax_Shredder Integrated Recycling Machine



作品特色 / PRODUCT FEATURES:

ShredMax 與傳統的造粒機相比，有以下幾個顯著差異，體現其創新性：

1. 整合破碎、押出和造粒功能：傳統回收造粒機通常需要單獨的破碎機和押出機來處理塑料廢料，而ShredMax則將這兩個功能整合在一台機器中。這不僅節省了空間，還簡化了操作流程，減少了原料處理的中間環節，提高了生產效率。
2. 破碎軸與輸送軸同軸，節省能源消耗及增加同步性。

The ShredMax redefines efficiency and innovation in plastic recycling, offering key advantages over traditional granulators:

1. Integrated Crushing, Extrusion, and Granulation: Unlike conventional recycling systems that require separate crushers and extruders, the ShredMax seamlessly integrates these functions into a single, compact machine. This all-in-one design not only conserves valuable floor space but also streamlines the operation process, reducing the need for intermediate steps in raw material handling and significantly boosting production efficiency.
2. Coaxial Crushing and Conveying Shafts: ShredMax features a unique coaxial design where the crushing and conveying shafts are aligned. This advanced configuration minimizes energy consumption and ensures perfect synchronization between the crushing and conveying processes, enhancing overall performance and reliability.

2024年台北國際塑橡膠工業展



塑橡膠機械設備類(中空成型機械)

Plastic & Rubber Machine Category
(Blow Molding Machine)

銓寶工業股份有限公司

CHUMPOWER MACHINERY CORP.

金展精密科技工業股份有限公司

KEENPRO INDUSTRY CORP.

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銓寶工業股份有限公司 CHUMPOWER MACHINERY CORP.

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攤位號碼：K0510

公司主要產品 / MAIN PRODUCTS:

PET 雙軸延伸拉吹機、夾頭、主軸配件

PET Stretch Blow Moulding Machine、Chuck System、Spindle Clamping System

作品名稱 / SELECTED MODEL:

CSPB-LL2M 直線式特殊瓶拉吹機

CSPB-LL2M Special Large Bottle Linear Stretch Blow Molding Machine



作品特色 / PRODUCT FEATURES:

生產100% rPET瓶子，最大可吹製6公升PET瓶，最大牙口 ϕ 55mm。另外針對清潔瓶、日化瓶等，在設計上增加旋胚定位與側加熱系統，使其在同一機台上也可吹制牙口需定位的噴頭瓶，及特殊的扁瓶。機台最高產能5000BPH、加熱閉迴路系統、能耗檢測。

LL2M has the ability to process preform which are made from 100% PET materials and stretch blown into bottles, the maximum bottle size is 6L with maximum neck size of 55mm. The machine also equipped with preform orientation device and side heating oven to process household cleaning bottle and daily-used lotion container. This machine is suitable for processing flat/oval bottle which requires the body to face a specific direction with respect to the pump trigger/head. The maximum output is 5,000bph, and it also has close-loop heating system and energy-consumption monitoring device for sustainability production planning.

金展精密科技工業股份有限公司 KEENPRO INDUSTRY CORP.

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攤位號碼：J1226

公司主要產品 / MAIN PRODUCTS:

吹瓶機 / 充填機 / 射出機

Blow Molding Machine / Filling Machine / Injection Machine

作品名稱 / SELECTED MODEL:

PET高速型吹瓶機

PET High-Speed Linear Stretch-Blow Molding Machine



作品特色 / PRODUCT FEATURES:

鑒於PET吹瓶機市場正迅速擴張中，機台降低成本的壓力及客戶在產能及能耗需求更加嚴苛，金展精密突破過往產品設計思維，以環保、節能、高效、數位化及創新的出發點，採用高階控制搭配最新伺服驅動系統，配合整機在機構上創新如「耐久公轉」、「高效變距移載」、「節能氣體閥組」、「瓶胚自動排除」等，開發出兼具數位生產服務系統的新世代PET吹瓶機老鷹系列LM機型，600ml單腔產能每小時高達2,100瓶、耗氣量及耗電量也都能降低20~30%。

As the PET bottle blowing machine market is rapidly expanding, the pressure to reduce machine costs and customers' demands for production capacity and energy consumption are becoming more stringent. KEENPRO breaks through previous product design thinking and adopts environmental protection, energy saving, high efficiency, digitalization and innovation. The starting point is to adopt high-end control and the latest servo drive system, and cooperate with the mechanical innovation of the whole machine such as "durable revolution", "high-efficiency variable intercept motion", "energy-saving air valve", "automatic removal of preforms", etc. to develop the new-generation PET bottle blowing machine Eagle series LM model with a digital production service system has a 600ml single cavity production capacity of up to 2,100 bottles per hour, and can also reduce air and power consumption by 20~30%.

2024年台北國際塑橡膠工業展



TAIPEI
PLAS

AWARD

塑橡膠機械設備類(周邊及零組件產品)

**Plastic & Rubber Machine Category
(Parts & Components)**

晏邦電機工業有限公司

儀辰企業股份有限公司

華周工業股份有限公司

金爪機械工業有限公司

勁勝科技有限公司

玉鼎電機實業有限公司

YANN BANG ELECTRICAL MACHINERY CO., LTD.

EARTH-CHAIN ENTERPRISE CO., LTD.

HCI CONVERTING EQUIPMENT CO., LTD.

TENSO MACHINERY IND. CO., LTD.

JING SHENG TECHNOLOGY

GREEN TEMP TECH MACHINERY CO., LTD.

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塑橡膠機械設備類
(周邊及零組件產品)

晏邦電機工業有限公司

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攤位號碼：K0824

公司主要產品 / MAIN PRODUCTS:

燥&除濕系統、 配色&混料系統、模溫&冷凍系統、
輸送&吹送系統、粉碎&回收系統

Drying System, Dosing System, Temperature Heating &
Cooling System, Conveying System, Recycling System

作品名稱 / SELECTED MODEL:

節能快速乾燥機
RAPID DRYER



作品特色 / PRODUCT FEATURES:

創新性: 1. 斜面操作符合人體工學、輕巧、不佔空間，並可機動性推至機台邊操作。

2. RD節能快速乾燥機，在熱交換器及特殊三通設計下所產生一個蓄壓效應筒內達到均壓，將水分或油氣置留在熱交之容器內後排出清理。

3. 各種原料的烘烤時間是固定，但我司研究開發將特定的原料烘烤時間減少一半，即可投入生產，不僅縮短50%的乾燥時間，還能降低含水率0.02%以下，並為客戶節省40° 以上的電費。

機能性: 1. 適用多種原料，例如PC、PMMA、PA46、PPS、NYLON及部份的PET/PETG。

2. 不佔空間放在機台旁直接與料斗乾燥機即可生產。

3. 利用網路智慧傳輸網WT NET 4.0用乙太網路或Wi-Fi皆可連線到整合平台。

美觀性: 斜面板式面操作，符合人體工學，內部簡潔展現出柔和視覺。

其他: 專利證書三份

Innovation: 1. The inclined surface operation is ergonomic, lightweight, space-saving, and can be easily maneuvered to operate beside the machine.

2. The RD energy-saving rapid dryer creates a pressure-holding effect within the cylinder through a heat exchanger and special three-way design, achieving even pressure. This allows moisture or oil vapors to be retained in the container of the heat exchanger, and then discharged for cleaning.

3. The baking time for various raw materials is fixed, but our R&D has developed a method to reduce the drying time for specific raw materials by half, allowing production to start immediately. This not only shortens drying time by 50%, but also reduces the moisture content to below 0.02% and saves over 40% on electricity costs for customers.

Functionality: 1. Suitable for various raw materials such as PC, PMMA, PA46, PPS, NYLON, and some PET/PETG.

2. Space-saving design allows it to be placed next to the machine for direct production with the hopper dryer.

3. Utilizes the WT NET 4.0 smart network transmission, which can be connected to the integration platform via Ethernet or Wi-Fi.

Aesthetics: The inclined panel operation is ergonomic, and the internal design is simple, presenting a soft visual appeal.

Other: Holds three patents.



儀辰企業股份有限公司
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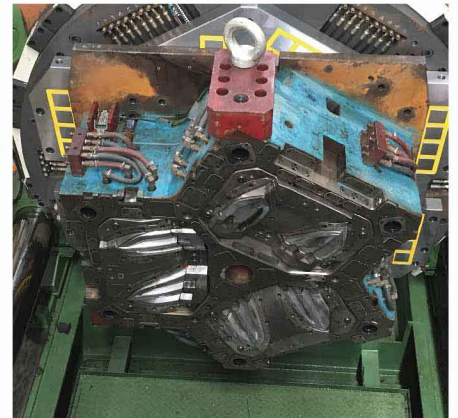
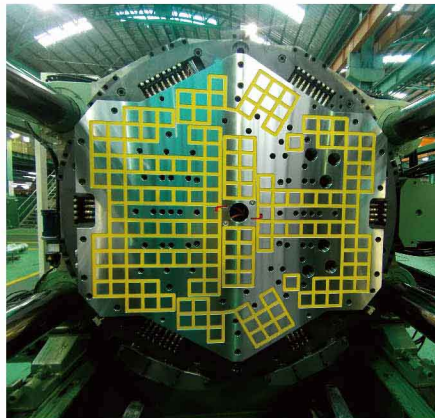
攤位號碼：K1215

公司主要產品 / MAIN PRODUCTS:

- | | |
|------------------------------|---|
| 1. 橡塑膠射出成型機磁力快速換模系統-EEPM-PIM | 1. Quick Mold Change Systems for Plastic Injection Machine EEPM-PIM Systems |
| 2. 永磁式電控磁盤-EEPM | 2. Electro-Permanent Magnetic Chuck EEPM Systems |
| 3. 永磁式磁力工作台-ECB | 3. Permanent Magnetic Clamping Block ECB Systems |
| 4. 開關式永久磁性吊盤-ELM | 4. Lifting Magnet ELM Systems |
| 5. 萬向磁性表座-ECE | 5. Universal Arm Magnetic Stand ECE Systems |

作品名稱 / SELECTED MODEL:

橡塑膠三色射出機磁力快速換模系統
Magnetic Quick Mold Change System
for Three-Color Rubber and Plastic
Injection Molding Machines



作品特色 / PRODUCT FEATURES:

- | | |
|--|---|
| 1. 超強磁力結構-特製70mm x 70mm大磁極和40mm高磁幅線，總吸力達106噸，安全係數10倍以上 | 1. Super Strong Magnetic Structure - Specially designed with 70mm x 70mm large magnetic poles and 40mm high magnetic flux lines, providing a total suction force of 106 tons with a safety factor exceeding 10 times. |
| 2. 縮短換模時間-縮短90%以上換模時間，人機介面直覺式操作不超過10分鐘，大幅提升生產效率 | 2. Reduced Mold Change Time - Shortens mold change time by over 90%, with an intuitive human-machine interface operation taking less than 10 minutes, significantly enhancing production efficiency. |
| 3. 耐高溫原料-內部安裝耐高溫稀土，耐高溫達120° C，保證超強磁力不受損 | 3. High-Temperature Resistant Materials-Internally equipped with high-temperature resistant rare earth materials, withstanding temperatures up to 120°C, ensuring the super strong magnetic force remains undamaged. |
| 4. 彌補缺工問題-換模人員從4人減少至2人，降低50%人力成本，創造一人多工最大產值 | 4. Addressing Labor Shortages - Reduces the number of mold change personnel from 4 to 2, lowering labor costs by 50% and maximizing productivity with fewer workers. |
| 5. ESG節能減碳-永磁電控結構每次操作耗電只需1度電，減少碳排與稅負，提升國際市場競爭力 | 5. ESG Energy Saving and Carbon Reduction - The permanent magnet electric control structure consumes only 1 kWh of electricity per operation, reducing carbon emissions and taxes, and enhancing competitiveness in the international market. |



塑橡膠機械設備類
(周邊及零組件產品)

華周工業股份有限公司 HCI CONVERTING EQUIPMENT CO., LTD.

407019台中市西屯區工業區七路26號

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攤位號碼：J1380

公司主要產品 / MAIN PRODUCTS:

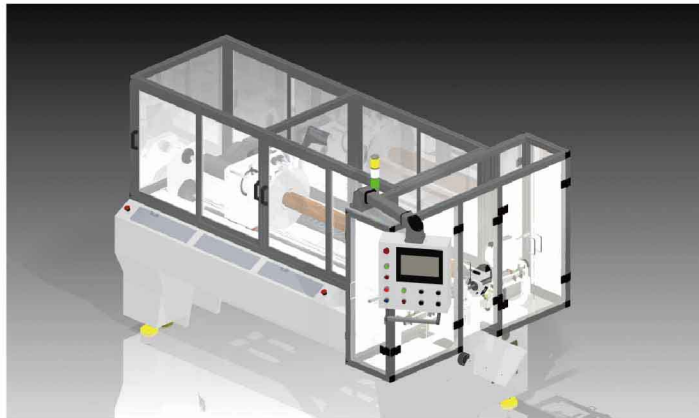
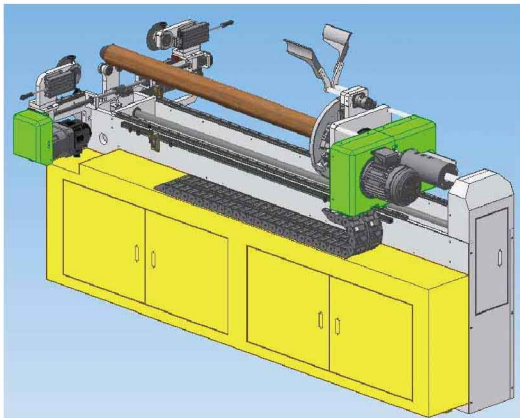
分條機、複捲機、檢品機、製袋機、切片機

Slitting Machine, Rewinding Machine, Inspection Machine, Pouch Making Machine, Cutting Machine

作品名稱 / SELECTED MODEL:

FPT-1400FA 全自動智慧型切紙管機

FPT-1400FA Automatic Core Cutting Machine



作品特色 / PRODUCT FEATURES:

全新推出的FPT-1400FA全自動智慧型切紙管機，擁有精密的切割技術，切口平整且成品尺寸精度可達 $\pm 0.5\text{mm}$ ，符合塑橡膠產業軟性包裝自動化加工製程中對紙管的嚴格要求，加上全自動化操作，可大幅提升生產效率，並降低人工操作失誤。

- 特點:**
1. 自動夾持上料: 提升作業效率和穩定性
 2. 自動偵測紙管長度: 確保切割精度
 3. PLC人機介面控制: 作業參數設定
 4. 成品(良品/不良品)自動分類收集: 有效管理良品和不良品
 5. 刀具異常震動偵測: 保障設備運行安全以及成品精度

The newly launched FPT-1400FA Automatic Core Cutting Machine features precise cutting technology, with a smooth cut edge and product size accuracy of up to $\pm 0.5\text{mm}$. It meets the stringent requirements of the flexible packaging automated processing in the plastic and rubber industry. The fully automated operation significantly enhances production efficiency and reduces manual operation errors.

- Features:**
1. Automatic clamping and feeding: Increases operational efficiency and stability.
 2. Automatic core length detection: Ensures cutting precision.
 3. PLC & HMI control: Facilitates easy setting of operation parameters.
 4. Automatic sorting and collection of products: Efficiently manages good and defective products.
 5. Abnormal tool vibration detection: Ensures the safety and stability of equipment operation and maintains product precision.

金爪機械工業有限公司 TENSO MACHINERY IND.CO., LTD.

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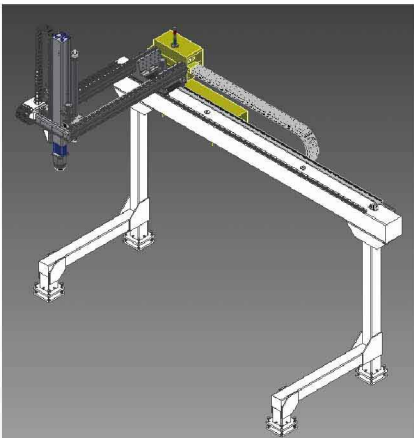
攤位號碼：K0616

公司主要產品 / MAIN PRODUCTS:

射出成型專用機械手臂、旋臂式機械手臂、堆棧機械手臂、模內貼標系統、埋入射出系統
Injection Mate Robot; Sprue Picker; Cartesian Palletizing Robot;
IML Robot System, Insert-Molding Robot system

作品名稱 / SELECTED MODEL:

堆棧機械手臂 Cartesian Palletizing Robot



作品特色 / PRODUCT FEATURES:

- 台灣市場首款發表作品
- 機械手臂腕部最大荷重可達 20 公斤
- 採用日本品牌節能伺服馬達連接高鋼性排齒滑軌，保障精度且提升壽命
- 一分鐘六~八箱的處理能力
- 平順制振取物功能
- 內建可任意設定參數將成品堆疊陣列
- The first product in Taiwan market.
- The Max. loading capacity on the end of the robot arm can up to 20 kg.
- Using economic power-saving Japanese brand servo drive motor, the transmission is using rack and pinion system, care by accuracy and reliability.
- Processing capacity between 6~ 8 boxes per minute.
- Vibration-Suppressing control for product picking smoothness.
- Built-in random parameter setting for boxes stacking



塑橡膠機械設備類
(周邊及零組件產品)

勁勝科技有限公司 JING SHENG TECHNOLOGY

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攤位號碼：K0625

公司主要產品 / MAIN PRODUCTS:

光學色彩選別機

Color Soter Machine

作品名稱 / SELECTED MODEL:

AI光學色彩選別機

Ai Optical Color Sorting Machine



作品特色 / PRODUCT FEATURES:

AI光學色彩選別機專業應用於檢測與分選，在橡塑膠原料製程，安裝於生產線上即時檢測與剔除不良品，粒粒精選，為客戶生產品質把關。以國內客戶長春化工為例，安裝我司機台，合作近8年，品管每天取樣，原本1包25KG塑粒包裝約有3-6顆不良品，目前已降至0.5-2顆，也減少了報廢料的產生，減少資源浪費。在回收資源部分，客戶回收粉碎後的塑料，經由機器分選，將可用的塑料回收再利用，從而減少碳排放，促進資源永續利用。

The AI optical color sorting machine is professionally applied in detection and sorting. It is installed on production lines for real-time detection and elimination of defective products in the rubber and plastic raw material process, ensuring meticulous selection for quality control. Taking our domestic customer, Changchun Chemical, as an example, they have been using our machine for nearly eight years. Quality control samples are taken daily, and the number of defective products in a 25 kg bag of plastic pellets has decreased from about 3-6 to 0.5-2. This has also reduced the generation of scrap material, minimizing resource waste. In terms of resource recycling, customers recycle crushed plastic, which is sorted by the machine to recover usable plastic for reuse, thereby reducing carbon emissions and promoting sustainable resource utilization.



玉鼎電機實業有限公司 GREEN TEMP TECH MACHINERY CO., LTD.

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攤位號碼：K1016

公司主要產品 / MAIN PRODUCTS:

冰水機、溫度控制機、冷風定型機、工業除露機、冷熱機

Chiller, Mold Temp. Controller, Blown Film Cooler, Industrial Dehumidifier, Cold/Hot Chiller

作品名稱 / SELECTED MODEL:

水式溫度控制機-特高溫度 KC-110LSG

Water Type Mold Temp.

Controller- Extremely High Temp.

KC-110LSG



作品特色 / PRODUCT FEATURES:

本溫度控制機是適用於所有橡塑膠產品的升溫及降溫使用，可使其溫度穩定，可應用於光學設備、醫療設備、工程塑膠、電子產品、科技業等。此特高溫度的水式溫度控制機，採用密閉式迴路空間，使其間接加熱水溫，讓水溫超過沸點溫度，並搭配兩顆德國SPECK無軸封泵浦，可使水壓達到8 bars以上，因此加溫快速、降溫迅速、溫度更可以精準控制在 $\pm 1^\circ\text{C}$ 內，並且無汙染問題。本溫度控制機外觀流暢、操作簡潔、安裝簡單、移動便利、體積輕巧、機動性佳。

This Mold Temp. controller is suitable for heating and cooling of all rubber and plastic products to stabilize their temperature. It can be used in optical equipment, medical equipment, engineering plastics, electronic products, technology industries, etc. This Water Type Mold Temp. Controller- Extremely High Temp. uses a closed loop space to indirectly heat the water temperature to exceed the boiling point. It is equipped with two German SPECK shaft seal pumps, which can make the water pressure reach more than 8 bars. Therefore, heating is fast, cooling is fast, the temperature can be accurately controlled within $\pm 1^\circ\text{C}$, and there is no pollution problem. This Mold Temp. Controller has a smooth appearance, simple operation, simple installation, convenient movement, lightweight size and good maneuverability.

INTRODUCTION

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TAMI

