



## Profile

### 公司簡介

# About Shini



1969年，吳一夫先生在台北成立信一電器行，主要經營電熱片、電熱管、電機維修及電控箱設計裝配。1975年，信一電器行開始生產SHD料斗乾燥機，正式跨入塑膠輔機行業，1978年更名為“信易電熱有限公司”，信易由此正式誕生。

隨著企業的發展，信易不斷擴大自身規模。除了台灣廠區以外，信易先後在東莞、寧波、平湖、印度、重慶等地建造生產基地，在美國建立技術暨物流中心，在德國成立分公司，並設立企業技術中心，負責整個集團公司全系列產品的研發、應用、全球行銷業務及技術支援。實現了“一地研發，六地製造”的產業佈局。

集團具有八大系列塑膠輔機產品、配套完善的系統解決方案，我們可以讓顧客享受到一站式購買的便捷體驗。

2013年，信易完成了品牌重塑，向成為世界最大的輔機製造商的目標更近一步，散發出更加閃耀的光芒。我們在發展過程中營造了個性鮮明、引人注目的企業文化，借此凝聚集體的力量、塑造出色的內部形象。我們將緊跟時代的步伐，保持專業的姿態，積極承擔社會責任，為現代文明的發展作出自身貢獻。



In 1969, Shin I Electrical Work Shop was established in Taipei by I-Fun Wu, who is the founder of Shini Group. Its major products include band heater, pipe heater, motor service and design plus assembly for control box. In 1975, Shin I Electrical Work Shop began to produce SHD hopper dryer and entered into the line of plastic auxiliary machinery industry. In 1978, Shin I Electrical Work Shop was renamed as "Shini Electric Heaters Co., Ltd". Since then, Shini was officially established.



東莞信易  
Shini Dongguan

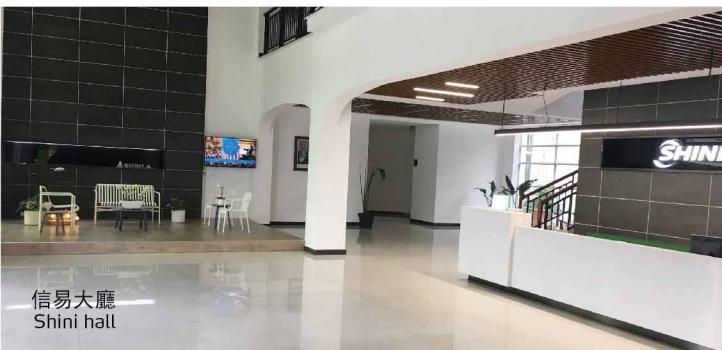


企業技術中心  
Corporate Technology Center

Along with the development of enterprise, Shini keeps expanding its scale. Besides Taiwan factory, Shini also has manufacturing facility respectively in Dongguan, Ningbo, Pinghu, India, and Chongqing, a technical & logistics center in USA, a branch office in German. What's more, it setup a Corporate Technology Center, CTC is responsible for the research and development, application, global marketing and technical support for all series of Shini products. Thus, it realizes industrial distribution of "one technologies center, six manufacturing bases".

With eight series of plastics auxiliary equipment and complete system solution, we can offer customers "one-stop shopping" experience.

In 2013, Shini accomplished rebranding and transformed to international brand for giving off more dazzling light. We develop our distinct and remarkable enterprise culture as we grow to enhance collective strength and build an outstanding internal image. we are going to follow the pace of the times, to actively take social responsibility and to make our own contribution to the development.



信易大廳  
Shini hall



信易展厅  
Shini exhibition hall

# Simple Solution



**顧客導向:** 客戶服務方面，信易以周到靈活的方式，滿足全球客戶的不同需求。

**人性化:** 產品設計方面，信易以用戶友好為原則，以技術創新為手段，在最大程度上實現人性化設計。

**一站式:** 商業合作方面，信易為客戶提供簡單易行的一站式體驗，建立互信、友好的長期合作關係。

信易集團經歷了逾四十多年的風雨歷程，信易人憑藉著“信實本業經營，易求世界第一”的經營理念，不斷研發出最優的產品，至今已發展成為世界級的塑膠成型輔助設備製造商。

信易集團可以從成型整廠之輔助設備為您規劃，包括塑膠原料儲存、乾燥輸送到計量混合，從模具的溫度控制到成型設備的冷卻系統，從自動化機械手到廢料的粉碎回收，從薄膜風環冷卻到線上測厚等。

信易集團包括了六個生產基地，九個分公司，近百個代理及服務網點，豎立著領先塑膠加工設備製造商形象。

**User-oriented:** on customer service, Shini adopt considerable and flexible ways to meet all kinds of requirements.

**Humanization:** on product design, Shini adheres to user-friendly principle; by improving new technologies to realize design humanization to the maximum.

**One-stop:** on business cooperation, Shini provides one-stop experience, and creates trustful and friendly long-term cooperation.

For over 40 years, Shini people adhered to the management principle of “Focusing on Particular Business, Pursuing to be the World Leader” which created new era and achieved many progresses. Shini Group has now become a world-class manufacture of plastics auxiliary equipment.

Shini group is able to help you on whole plant planning: conveying, drying, dosing temperature control and system cooling, automation and recycling for injection application or extrusion application.

6 production facilities, 9 branch offices, 91 representative offices, one of leading plastic process equipment manufacturer.

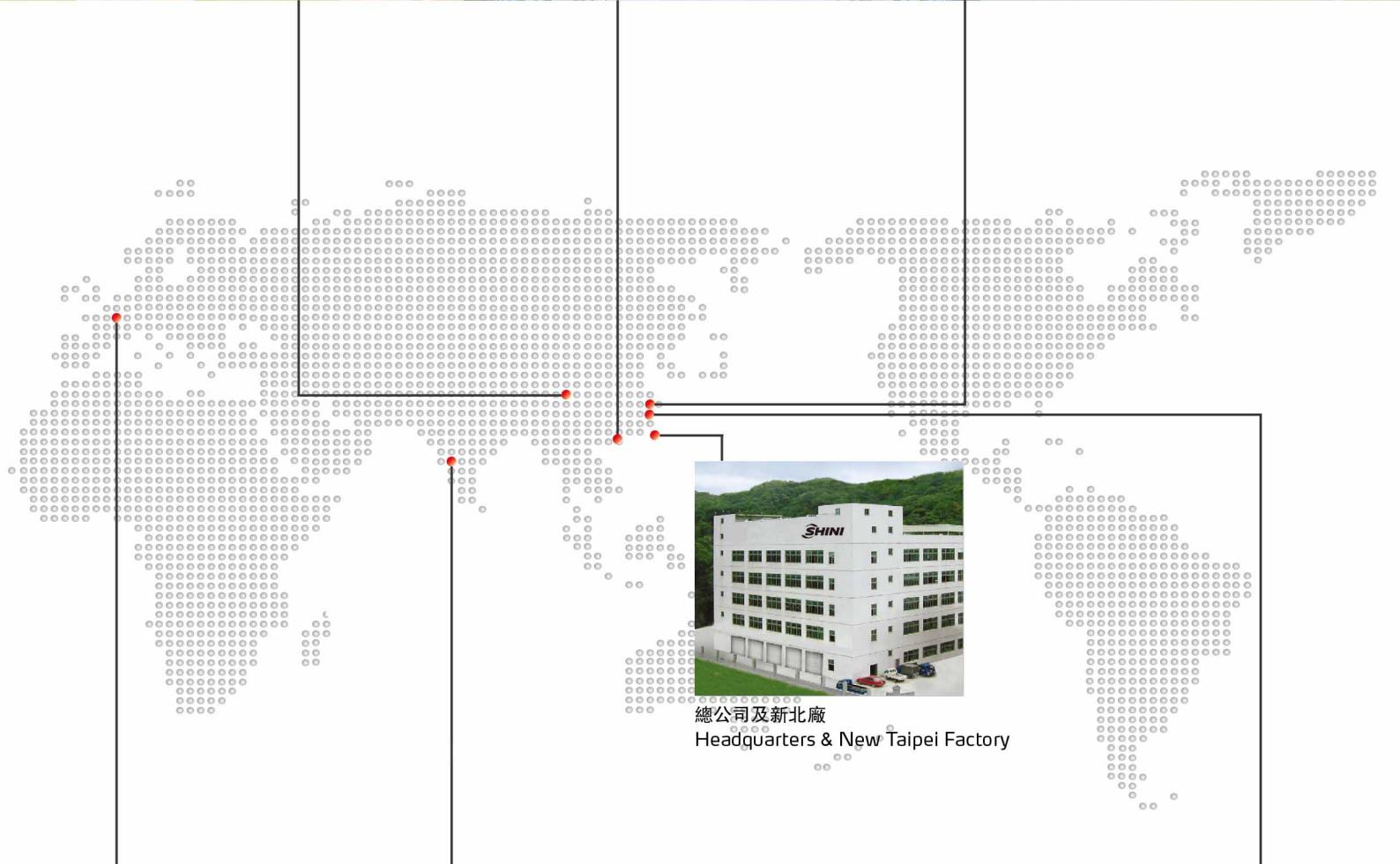
華西信易(重慶廠)  
West China Factory



華南信易(東莞廠)  
South China Factory



華東信易(寧波廠)  
East China Factory



信易德國分公司  
Shini Germany Office



印度信易  
Shini India



華東信易(平湖廠)  
East China Factory

## 除濕乾燥系列 Drying and Dehumidifying



SCD  
歐化除濕乾燥送料組合  
"All-in-One" Compact Dryers

在對吸濕性樹脂成型制程中，乾燥成為尤為關鍵的階段，必須確保原料中的水分被除去並且乾燥溫度合理。信易的轉輪除濕機可提供持續穩定的濕度和溫度的空氣，保證生產效率和品質。我們也提供熱風乾燥料斗供您選擇，主要用於去除非吸濕性熱塑性塑膠表面的水分。

With hygroscopic plastic material, drying becomes the most critical step in the process and the moisture in the material must be removed at a steady temperature. We also provide hopper dryer for the process, which is used to remove non-hygroscopic material. Dehumidifier can deliver constant low dew-point air with maximum efficacy and quality.



SD-H 轉輪除濕機  
Honeycomb Dehumidifiers

信易的轉輪除濕機可提供-40°C或更低露點乾燥空氣，並可實現適時監控各項參數及確保露點恒定。乾燥空氣流量可高達4,000m³/hr。

採用全分子篩蜂巢除濕，相比矽膠吸附式蜂巢除濕效果更好。

採用P.I.D.溫度控制系統，可精確控制溫度。可選購PLC控制搭配LCD觸控式人機界面，更能方面操作及及監控。

對於大型的除濕乾燥組合，可採用空氣熱交換器，實現能源再利用，節能高達20%。

Shini dehumidifying dryer can provide dew-point of -40°C or even lower. Also it can achieve constant detection of all the parameters and stabilize the dew-point. The largest of which can provide dry air up to a quatity of 4,000m³/hr.

It is better to adopt molecular sieve structure honeycomb rotor than silica gel adsorption in dehumidifying.

Adopts P.I.D. temperature controller to accurately control regenerative temperature. Centralized automatic control can be realized by optionally selected PLC touch screen controller.

For centralized dehumidified drying system, adopt heat exchanger to realize heat recycling with which 20% energy can be saved.



SDD 歐化除濕乾燥組合  
Dehumidifying Dryers



SHD-U  
歐化料斗乾燥機  
Hopper Dryers

信易的料斗乾燥機採用一週定時自動開關機功能，以達到省電目的。

可選配控制系統根據當前料位高低，採用變頻控制技術來自動調整乾燥風量大小，將乾燥桶調整至最合理的熱能工作狀態，以達成最理想的烘乾效果。乾燥風量的降低，即為乾燥電熱能源消耗的降低，可節省能源超過20%。

Shini hopper dryer adopt 7-day automatic start/stop timer to improve energy saving.

With optional control system, adopting frequency control technology, will automatically adjust the air volume to optimize the working condition of the drying hopper to achieve the optimal drying effect. The reduce of air volume will lead to power reduction of drying heater, then a 20% energy consumption can be avoided.



SCR PET結晶機  
PET Crystallizers

信易PET結晶機是專門為克服原料玻璃化轉換溫度並能保證同質結晶而設計的，避免了原料出現粘接或架橋現象。該系列機型型號從SCR-160U ~SCR-2500U，結晶料桶容量為160~2,500L不等。

信易模具除濕機能有效的解決因模具使用冷凍水來縮短成型週期而使模具外殼和型腔形成冷凝水的問題，保證穩定的成型條件和PET系統的最大生產能力。處理能力從500~3,000m<sup>3</sup>/hr不等，完全滿足各種制程條件。

Shini PET crystallizer is specially designed for the homogeneous crystallization as well overcoming glass transition temperature. Also it can avoid material bonding and bridging. With models from SCR-160U to SCR-2500U, the hopper capacity ranges from 160 to 2,500 liters.

Shini mould dehumidifier can effectively solve the problem and ensure stable molding condition and maximum production capability of PET system. The capacity of which can provide dry air up to a quatity of 500~3,000m<sup>3</sup>/hr.

Shini smart modular dryer adopts modular structure. Detachable floor stand is convenient for moving and extension at any time. It also can be combined by one dehumidifier and several drying hoppers to dehumidify and dry.



智能模組化除濕乾燥組合  
Smart Modular Dryer

信易智能模組化除濕乾燥組合採用模組化的結構，可拆式的腳架方便隨時移動與擴充，可同時搭配1對多個乾燥料桶進行除濕乾燥作業。

## 供料輸送系列 Feeding and Conveying



SAL-U  
歐化直結式真空填料機  
Self-contained Hopper Loaders



SAL 直結式真空填料機  
"Standard" Self-contained Hopper Loaders



SAL-UG 歐化分離式真空填料機  
Separate-vacuum Hopper Loaders

信易研發的直結式和分離式真空填料機完全能夠滿足塑膠原料的輸送，並確保毫無污染和浪費。上料系統包括適合不同條件下吸料機和料斗，輸送量達2,000kg/hr，輸送距離可達100米。

Shini self-contained and separate auto loaders can meet all kinds of requirements of conveying with no material contamination and waste. Feeding system is made up of different hopper loaders and hoppers with conveying capacity of 2,000kg/hr and conveying distance of 100m.

與原料接觸的部份均採用不鏽鋼材質以及輸送系統的過濾裝置，有效的確保了塑膠原料在輸送過程中不被污染。

密閉循環的二次輸送系統，信易對於熱料和乾燥後需送到成型機上的保溫料斗的輸送過程中，能大大降低因輸送過程中發生的熱量損失及乾燥後的原料再度吸濕的風險。

吸料機風機輸送持續高效，配以過濾裝置壓差即時檢測裝置，以確保能及時清洗及保護風機。

All material contact surfaces and filter device of the system are made of stainless steel ensures no contamination during material conveying.

Closed loop of two-stage conveying system. For the conveying of materials to the hopper on injection molding machine, Shini can greatly reduce the heat dissipation and the risk of material rewetting.

Filter pressure difference detector is adopted on the vacuum blower of the hopper loader to ensure timely cleaning and protection.

旋轉下料閥是以供給粉粒體為目的，設計最精良的定量供給機械。在空氣輸送裝置等有壓力差的場所使用，可以發揮最大的效果。

The rotary valve is designed to feed powder materials and is the most precision feeding machine. Especially, it will get the optimal efficiency in the pneumatic conveying system or differential pressure condition.



SRV  
旋轉下料閥  
Rotary Valve



HRV 高壓旋轉下料閥  
High Pressure Rotary Valve

高壓旋轉下料閥是以供給粉粒體為目的而設計的最精良定量供給機器。用於高壓連續輸送方式的氣力輸送上。

從集裝箱車接收物料通過空氣輸送到儲料桶。使用立式旋轉下料閥可以不用挖地下坑。因為是可移動型，故在任何地方都可以接收物料，不需使用時可以移動，所以不需要固定作業場地。因從儲料桶和排出口配管位置到地面間的距離短，故是一般旋轉下料閥不可替代的設備。

High pressure rotary valve is specially design for the precise dosing of plastic powder and granules. It is applied in high pressure continuously pneumatic conveying.

From container car to material tank, material are conveyed by air with vertical rotary valve which need no pit. Movable design make material conveying convenient for it can be processed at any place. No fixed working areas are needed. Also it is irreplaceable for the distance from material tank to outlet pipe is short.



LRV 立式旋轉下料閥  
Vertical Rotary Valve

## 混合拌料系列 Dosing and Mixing



SGB  
秤重式拌料混合機  
Gravimetric Blenders

信易目前完整的研發了體積計量式色母混合機、秤重式色母混合機和秤重式拌料混合機。它們能夠完全滿足各種計量混料需求。

Volumetric dosers, gravimetric blenders and gravimetric dosers in Shini dosing and mixing series can meet all kinds of dosing requirements.

With gravimetric sensor and material level switch, the special gravimetric blender designed for high temperature material is suitable for PET crystallized materials.



SGD 秤重式色母混合機  
Gravimetric Doseers

信易的秤重式拌料混合機SGB的產量範圍為40~3,000kg/hr，計量組分從4到8組分不等。

特殊的高溫型秤重式拌料混合機設計，包括秤重感測器及料位檢測器，可應對高溫原料處理。

控制器附帶以太網功能，配合相應軟件可通過此通訊功能讀取原料配比數據(如最大產量、實際產量、配比精度)以便於產品質量控制。

具有回收料自動補償功能，可根據回收料下料量的多少自動計算色差補償。

秤重式色母機SGD，採用失重計量方式，生產範圍為0.04~60kg/hr。

The output of Shini SGB within 40~3,000kg/hr with range 4~8 ingredients in metering.

The special gravimetric blender design including gravimetric sensor and material level sensor are suitable for high temperature application.

Ethernet interface attached to the controller works together with the relevant software, material proportion data (max. output, actual output, proportioning accuracy) can be transmitted to control product quality.

Regrinds auto compensation function available. Aberration compensation can be automatically calculated based on the discharge amount of material.

SGD model adopts loss-in-weight calculation with output within 0.04~60kg/hr.



SPV-U 歐化兩料比例閥  
Proportional Valves



SCM  
計量式色母混合機  
Volumetric Dosers



SCM-H 高溫型計量式色母混合機  
Volumetric Dosers (High-temp. Series)



SMS 金屬偵測分離器  
Metal Detecting Separators

信易體積式色母機SCM可用於結晶與非結晶料粒色母原料的計量，生產範圍為0.1~110kg/hr。

SCM model of Shini is suitable for masterbatch particles both crystallized and non-crystallized with output within 0.1~110kg/hr.

高溫型色母混合機SCM-H內部冷卻水循環冷卻功能能防止色母料粒進入主原料流可能出現的熔融，從而保證了精確地計量。

模組式裝配結構，具有強制清料功能，更換色母時清理方便。

記錄現有運作模式，不受停電影響，複電後即可恢復運作。

可設定若干模週期添加一次色母，以滿足微量計量要求。

金屬偵測分離器可直接安裝在成型機料斗上，避免金屬損壞螺桿。

快速分離混合在塑膠原料中的各類金屬，檢測精度最小可達0.5mm金屬直徑。

The High-temp. volumetric dosers SCM-H's inner cooling water system can prevent masterbatch from falling into the PET main material flow and melting to ensure accurate dosage.

Modular assembly structure with forced cleaning function makes masterbatch replacement much more convenient.

Current running mode can be recorded which is free from power failure. When power comes back, the system can be resumed.

Molding cycles of adding masterbatch can be set to meet the requirements of micro weight measuring.

Metal detector can be installed directly on the injection molding machine to prevent screw damage.

Quickly separate the metal impurities in plastic materials; metal impurities as small as 0.5mm in diameter can be detected.

## 冷熱交換系列 Heating and Cooling



STM-W  
水式模具控溫機  
Water Heaters



STM 油式模具控溫機  
Oil Heaters



STM-W/O 水油兩用式模具控溫機  
Dual-purpose Water / Oil Heaters

信易開發的模溫機種類繁多，即水式、油式、高壓水式和大流量型系列、能夠滿足精確的控溫要求及高效率的塑膠轉化。

Water heater, oil heater, Hi-pressure heater and large flow heater in Shini heating series can meet all kinds of temperature requirements and High efficiency plastic conversion.

加熱功率從4kW到45kW，加熱溫度從95~300°C，配備渦輪泵、流量泵、磁力驅動泵及微電腦控制器。

控制器採用3.2"LCD，顯示直觀、操作簡單。

採用P.I.D.控溫系統，在任何操作狀態下均可維持穩定的模具溫度，控溫精度可達到±0.5°C。

效率高溫泵浦，能適用於精密模具及小直徑模具回路中的控溫需求，實現精密控溫和高效率熱交換。

可配RS485通訊功能及顯示模具溫度和模具回水溫度功能。

Shini develop many kinds of mould temperature controller with heating temperature ranges from 95°C to 300°C, heater power from 4kW to 45 kW. Equipped with turbo pump, large flow pump, magnetic pump and micro computer controller, our mould temperature controllers can meet all the requirements of different plastics processing.

Controller adopts 3.2"LCD to visually display the operation.

Adopt P.I.D. temperature control system to maintain stable mould temperature at any time, control accuracy can reach ±0.5°C.

High-efficiency high-temperature pumps are optional to meet the requirements of precision mould and mould with small diameter molding cycle.

Optional RS485 communicating functions and display of mould temperature and return water temperature.



SICC-W-R3  
環保冷媒水冷式中央式冷水主機  
CFC-free Refrigerant Water-cooled Central Water Chillers



SIC-W-R2 環保冷媒水冷式冷水機  
CFC-free Refrigerant Water-cooled Water Chillers



SIC-A-R2 環保冷媒風冷式冷水機  
CFC-free Refrigerant Air-cooled Water Chiller

對於模具、注塑和各類塑膠成型設備的精確冷卻，信易的冷水機冷卻系統可做到精確的控制溫度、流量和壓力，最大限度的發揮製冷效果，其產品包括風冷和水冷式冷水機、冷卻水塔、泵浦、水箱。

For molding, injection and all kinds of plastic molding equipment precise cooling. Shini water chillers can achieve accurate control of temperature, flow and pressure, maximized its cooling effect. The cooling products of Sihni consist of air-cooled and water-cooled water chiller, cooling tower, pump and water tank. Based on the standard technology, Shini can provide customized solutions for its clients.

信易的環保R410A冷媒冷水機，無臭氧層破壞，滿足當今世界對環境保護的高標準。

全新開發的新一代高可靠度、超高效率冷水機採用變頻低噪音散熱風扇，能夠在環境溫度(0~45°C)，及冷凍水出水溫度在5~25°C範圍內穩定、安全、可靠的工作。能源效率等級已超越目前國家一級能效指標。

冷水機內部自帶大容量圓型自力攪拌水箱，熱容量倍增進而使溫度變化小，更增強了主機運轉的穩定性，另外採防銹水管路，防止生銹；新微電腦控制、操作方便、功能多樣。

精簡合理的系統水管路設計和安裝，使得冷卻系統運行更為順暢的同時也降低了客戶使用成本。

SHINI R410A refrigerant water chiller has the environmental protection system which has no ozone depletion. It can satisfy the high standard of global the environmental protection demand nowadays.

New generation developed water chiller possesses high reliability and high efficiency. It adopts frequency low-noise cooling fan which can stably, safely and reliably work under the environment temperature of 0~45°C and the chilling water outlet temperature of 5~25°C. Its energy efficiency degree has already been above the first level of national energy efficiency index.

The water chiller contains a round self-stir water tank which is of large capacity. The multiplication of heat capacity makes temperature change become small and thus strengthen the reliability of main machine. In addition, it adopts rust-proof water pipeline. The new microcomputer controlling makes the convenient operation and diversity functions.

Compact & reasonable design and installation of the water pipeline system enable the cooling system operates more smoothly and simultaneously lower the costs of the customer.

## 粉碎回收系列 Granulating and Recycling



SG-24N  
齒啃式粉碎機  
Screenless Granulators

信易開發的機邊粉碎機包括齒啃式與慢速機邊粉碎兩大系列，適用於塑膠成型機旁與取出機或皮帶輸送機將水口料或少量不良品的粉碎。

Shini IMM-side granulator includes screenless granulators and low-speed granulators, suitable for crushing sprues material and a few rejects. It is set on the side of IMM and picker, collocating with conveyor.



SG-16N/20N慢速機邊粉碎機  
Low-speed Granulators

齒啃式粉碎機採用無篩網設計，齒啃式刀具搭配切斷刀具，粗粉碎與細粉碎同時進行，粉碎均勻，可以達到無粉塵的粉碎效果。

新型梯形齒刀，使應力集中產生的可能性有效降低，承受能力提高，從而使刀具使用壽命延長。

微電腦偵測遇阻自動逆轉及警報，可於清除堵塞的原料後自動復位正轉。

慢速機邊粉碎機包括新型爪刀與片刀兩大類，爪刀採用免調試活動刀片設計，片刀採用漸切式一體化動刀設計。

Screenless granulators adopt screenless design, teeth cutters and cutting blades are integrally fitted in one cutting chamber. There are least dusts produced in the cutting process.

New-type inclined teeth cutter reduces the possibility of stress concentration, enhance bearing capacity and converts force direction so that cutter lifespan can be prolonged.

When motor blockage occurs, the machine will alarm visibly and enable motor to run reversely. It will return to normal operation automatically after the trouble is clear.

Low-speed granulators adopt new type staggered blades and unfixed blades which can keep a settled cutting clearance without adjustment after re-sharpening. Adopt blades and integration design to obtain better cutting performance.



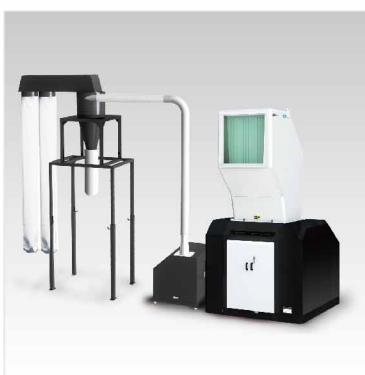
SG-EB 經濟型集中粉碎機  
"Budget" Central Granulator



SG-23/30  
靜音集中粉碎機  
Sound-proof Central Granulators



SG-43 靜音集中粉碎機  
Sound-proof Central Granulators



SG-70 靜音集中粉碎機  
Sound-proof Central Granulators

信易靜音集中粉碎機適用於各種注塑成型、吹塑成型或廢料的集中粉碎回收。粉碎室尺寸從 $230\times240\text{ mm}$ 到 $700\times1200\text{ mm}$ 不等，完全滿足各種不同尺寸的粉碎要求。

Shini sound-proof central granulators are suitable for centralized recycling of wastes or rejects from IMM and blow molding. The range of cutting chamber size is from  $230\times240\text{mm}$  to  $700\times1200\text{mm}$ .

免調刀的刀架設計，刀具更換更為簡便。

配備電流繼電器，馬達超載保護及多重安全保護裝置。

大型機種轉動刀具採用最新型的V形切割技術，可將待破碎材料送至轉刀中央，可避免材料貼在側壁上，同時也增加了側壁的使用壽命。

### 3x2型刀具(標準型)

兩排固定刀的設計使得機殼進口空間很大，加上刀具的起始切割點低，材料可以被迅速的抓住並切碎。這種機殼的設計使其適用於粉碎空心體，如瓶子、滾筒等大體積的材料。

### 5x3型刀具

五爪式的半封閉式轉子，每行葉片之間的空隙不大，被粉碎原料不會掉入轉刀中。這種大型、重型轉刀尤其適用於粉碎注塑膠頭料、厚壁物體及厚的板材等。

Blade retainer is designed for quick blade replacement without readjustment.

Equipped with electrical current relay, motor overload protector and multiple safety devices.

Large size cutting chamber granulators rotating cutters adopt newly developed V-type cutting technology which can send the feeding material into the center of rotating cutters so to prevent the material from adhering onto the inner side of the cutting chamber while enhancing its wearability.

### 3 Rotating Blades and 2 Fixed Blades (Standard Type)

Two rows of fixed blades model has big inlet space and initially low cutting point. Material can be easily grabbed and cut thus making this rotor/housing combination ideal for the granulation of hollow objects such as bottles, crates and drums as well as large bulky materials.

### 5 Rotating Blades and 3 Fixed Blades

This semi-closed rotor has much smaller spaces between the blade rows thus preventing material from falling into the rotor. These massive, extremely robust rotors are ideally suited for difficult, heavy duty applications such as start-up lumps and head waste, thick walled pipes, heavy sheets etc.

## 粉碎回收系列 Granulating and Recycling



SG-50E  
集中粉碎機  
Central Granulator

信易集中粉碎機適用於粉碎各種塑膠材料，包括注射成型、吹塑成型或擠壓成型後產生的廢料。

Shini granulators are applicable to granulate various kinds of plastic materials from injection molding, blow molding or extrusion molding.



CBD 上行皮帶輸送機  
Up-feed Belt Conveyor

獲專利的“FUTURE”支架，取得意大利名廠VIRGINIO NASTRI公司製造授權，推出PNL/CB/CBD/SV用途與結構不同的皮帶輸送機。

輸送帶採用PVC材質，輸送平穩，效率高。機器高度可視需要在一定範圍內調整。

PNL-MS配有通道式金屬檢測器，在通道內能有效的檢測到金屬物，最小檢測金屬球直徑為SØ5mm。

全系列輸送帶速度可調，PNL-MS調速範圍為1.3~8m/min，其餘機型為3~6m/min。

VIRGINIO NASTRI, one famous company in Italy authorizes Shini to manufacture the patented stand "FUTURE". Shini launches belt conveyors of different functions and structures, like PNL/CB/CBD/SV.

PVC belt is adopted for smooth and efficient conveying. Machine height is adjustable within a certain range according to needs.

PNL-MS is equipped with channel metal detector to effectively detect metal in the channel. The minimum detectable diameter of metal ball is SØ5mm.

The conveying speed of the belt conveyor whole series is adjustable. The speed range of PNL-MS is 1.3-8m/min while the rest of models is 0-6m/min.



PNL-MS 金屬檢測輸送機  
Belt Conveyor with Metal Detector



SS-S1  
標準旋臂式機械手  
Standard Swing-arm Robot

SS  
旋臂式機械手  
Swing-arm Robot

信易歐化型旋臂式機械手主要用於注塑成型時簡單成品及水口料取出。結構獨特的旋轉機構，採用齒輪齒條變直線運動為旋轉運動，帶有外置油壓緩衝裝置，旋轉角度可自由調節，限位準確且運行平穩。

The SS series robot is designed for removing sprue and runner, simple product from injection molding machine. Employs rack and pinion system which converts linear motion to rotation with least damage to cylinders. The shock absorber and angle tuning system provides a smooth and precise swing motion.



ST1 橫走式單軸伺服機械手  
Single Axis Servo Driven Robot

信易橫走式單軸伺服機械手適用於二板模、三板模或熱流道模具。分為單臂型與雙臂型，單截式與雙截式供客戶選擇。  
連接介面符合EUROMAP12 EUROMAP67和SPI標準。

信易橫走式二軸伺服機械手分為單臂型與雙臂型，單截式與雙截式供客戶選擇。

選擇主臂上下伺服驅動：適用於模內取出時間要求迅速，模具相對單一的產品應用。

選擇主臂引拔伺服驅動：適用於產品種類多，需頻繁換模的產品應用，便於自動調整引拔行程。

The ST1 series robots with standard and telescopic arms are selectable to cooperate with 2-plate mold, 3-plate or hot runner system. Interface between injection molding machine and robot is designed to EUROMAP 12, EUROMAP 67 and SPI.

The ST2 series robots with one arm and double arms, standard and telescopic arms models.

Y servo motor suitable for single, short cycle time mold.

X servo motor suitable for changing molds frequently application, easy to adjust X stroke.



ST2 橫走式兩軸伺服機械手  
Two Axes Servo Driven Robot



ST3  
橫走式三軸伺服機械手  
Three Axes Servo Driven Robot



SSE 側取式機械手  
Side Entry Robot

信易側取式機械手應用在600噸以下薄壁成型週期6秒以內的各種產品取出。以快速的取出來大幅提高生產效率。

信易橫走式五軸伺服機械手適用於二板模、三板模或熱流道模具。分為單臂型與雙臂型，單截式與雙截式供客戶選擇。能實現各種特殊動作，如排列、堆放、品檢和埋入等。

信易橫走式三軸伺服機械手適用於二板模或熱流道模具。最大可適用於鎖模力在3600T的射出成型機。能實現各種特殊動作，如排列、堆放、品檢和埋入等。分為單截式與雙截式供客戶選擇。

The ST3 series robots with standard and telescopic arms are selectable to cooperate with 2-plate mold or hot runner system. Capable of arranging, stacking, quality checking and in mold placement. Suitable for injection molding machine under 3600T clamp force.



ST5-S 标准橫走式五軸伺服機械手  
Five Axes Servo Driven Robot

The SSE series robot is designed for extremely short cycle time of IMM less than 6 seconds and under 600T clamp force.

The ST5 series robots with standard and telescopic arms are selectable to cooperate with 2-plate mold, 3-plate or hot runner system. Capable of arranging, stacking, quality checking and in mold placement.



SIS  
側入式模內貼標系統  
Side Entry in Mold Labeling Robots System

信易模內貼標系統主要應用在450噸以下注塑機。單面注塑模，1腔、2腔或4腔。總循環時間4至9秒，全自動快速貼標與取出產品大幅提高生產效率，提升產品品質。分為側入式與頂入式供客戶選擇。

The Shini in mold labeling system with top and side entry are selectable to cooperate with single face mold with 1, 2, or 4 cavities. Suitable for injection molding machine under 450T clamp force. Place labels and take out products automatically and rapidly, cycle time is 4 to 6 seconds, improve the production efficiency and the production quality.



SVT 承接台  
Vertical Transporter

信易承接台用於承接機械手取出的產品，提升機械手的效率和保障工作人員的安全性。與機械手信號相連接準確地接住及保護產品。

信易輸送機用於機械手取出產品的輸送，能有效提高工作效率、保證產品外觀；與機械手信號連接，可搭配機械手實現全自動化作業。分為單斜式及平斜式供客戶選擇。

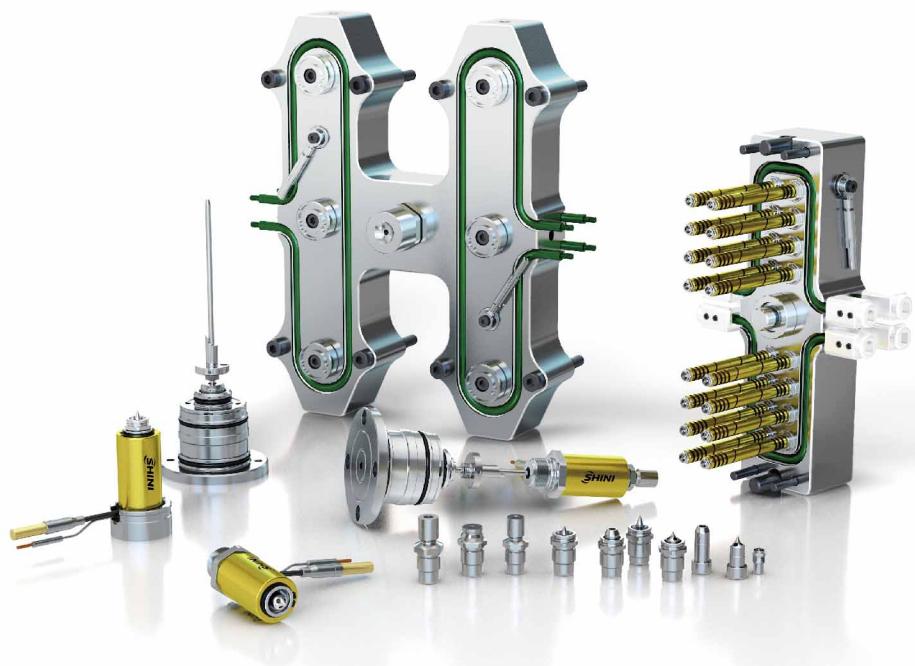
The SVT series transporter is designed for taking over products from robot, improving machine utilization rate and keeping safety. Connected with robot signal, precise catch and protect products.

The Shini belt conveyor is designed for delivery products from robot, improve working efficiency and protect products appearance. Connected with robot signal achieve full automated operation. SC and SCI belt conveyor can be chosen.



SC 平斜式皮帶輸送機  
Inclined Belt Conveyor

## 熱流道系統 Hot Runner System



澆口直徑在 $\varnothing 0.6-\varnothing 0.8$ 的範圍內任意選擇。模具熱嘴處可以開框到 $\varnothing 12$ ，確保模具的強度和製品的特殊要求，熱嘴長度可以做到40mm~500mm長。每套熱流道都經過專業的模流分析，擁有成熟的疊層技術。

It's suitable for materials which is in the rang  $\varnothing 0.6-\varnothing 0.8$ . mould hot nozzle to  $\varnothing 12$ . ensure the strength and the special requirements of products. the length of nozzle can be from 40mm to 500mm. professional analysis of mold flow. composite technology is mature.



SHTC-E 溫控箱  
Temperature Controller

該設備用于熱流道系統，溫控箱是一種連續不斷保持熱流道系統所需溫度值的設備，由溫控卡、斷路器、箱體、風扇、接線座和線纜等組成。溫控箱通過內裝的溫控卡，控制熱流道產品的溫度，與系統溫度的精確性，自我保護和容錯性取決于溫控卡的機能。目前溫控箱是熱流道模具應用所必須的電氣系統。

順序時間控制器是用于使用閥針式熱流道系統時，用以控制模具熱咀注塑時間先後的設備。順序時間控制器能使熱流道系統的各個澆口得以控制。

Temperature controller, being used in hot runner systems, is a device which continuously maintains the required temperature value of the hot runner system. It is made up of temperature control card, circuit breaker, cabinet, fan, terminal blocks and cables. The temperature control card in the cabinet controls the temperature of the hot runner product. The accuracy of temperature control systems, self-protection and fault tolerance depends on the temperature control function of the card. At present, temperature controller is a prerequisite in the use of hot runner molds.

Timing controller is equipment that controls nozzle injection time orderly in solenoid valve hot runner system. Timing controller makes each gate of hot runner system controlled.



SHTC-V 時序控制器  
Timing Controller

信易集團可以從成型整廠之輔助設備為您規劃，包括塑膠原料儲存、乾燥輸送到計量混合，從模具的溫度控制到成型設備的冷卻系統，從自動化機械手到廢料的粉碎回收，從薄膜冷卻風環到線上測厚等。

Shini can project and implement auxiliary equipment of your whole plant, including storage of plastic materials, drying and conveying, dosing and mixing, temperature control of molds and cooling system of molding machines, auto robots, granulating and recycling of wastes, air ring cooling and online thickness meter, etc.



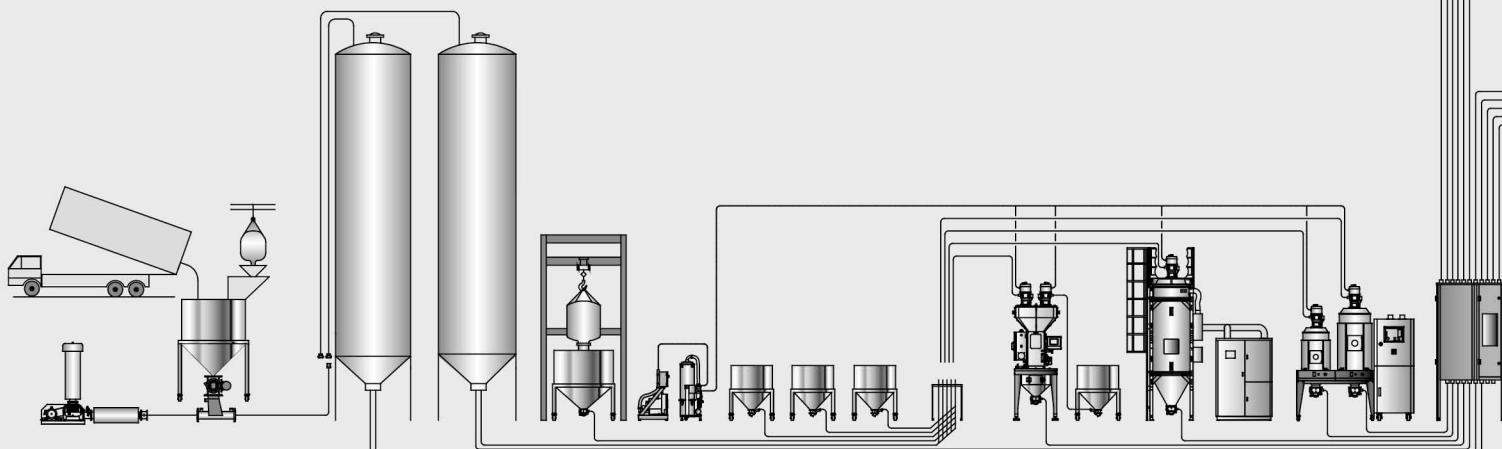
- 1. 需求調查 2. 現場察看 3. 系統規劃 4. 3D佈置圖 5. 確認規範
- 6. 採購合同 7. 系統施工圖 8. 專案會議 9. 安裝、驗收 10. 跟蹤調查
- 1. Demand Survey 2. Checking on the Scence 3. System Planning 4. Diagram of 3D Layout
- 5. Confirming Regulations 6. Purchasing Contract 7. System Architectural Drawing
- 8. Project Conference 9. Installation & Acceptance 10. Follow-up Survey

# 系統化對策 Systematic Solutions

助您提高效益，提升產品質量，滿足市場日益競爭的需求，根據您的需要，信易將為您提供個性化的原料處理方案，以優化產品生產流程。

Shini is always there to help you enhance effectiveness and improve quality as well as enhance your competitiveness in marketing.

Shini is able to cater different needs by providing customized material handing solutions.



儲存  
Storage

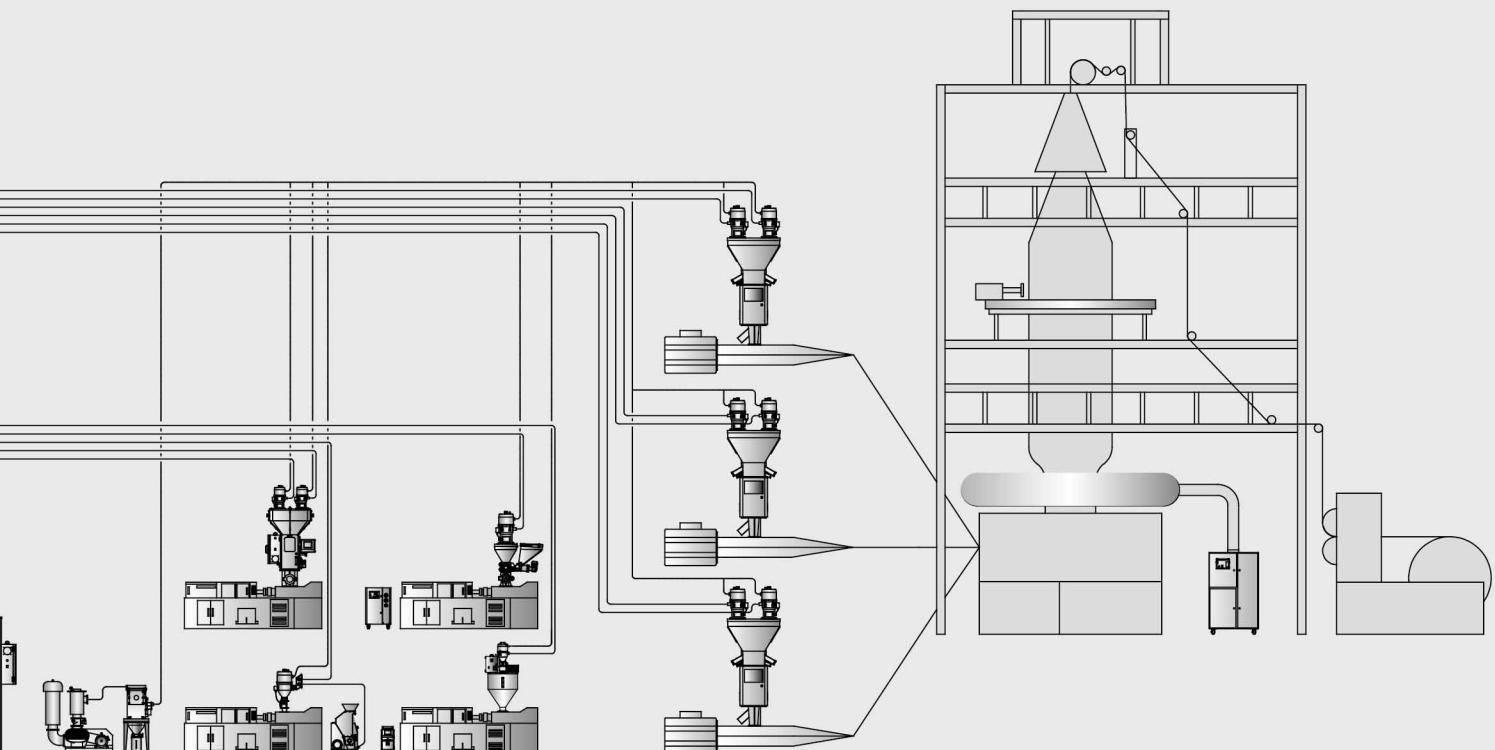


輸送  
Conveying



分配  
Distribution



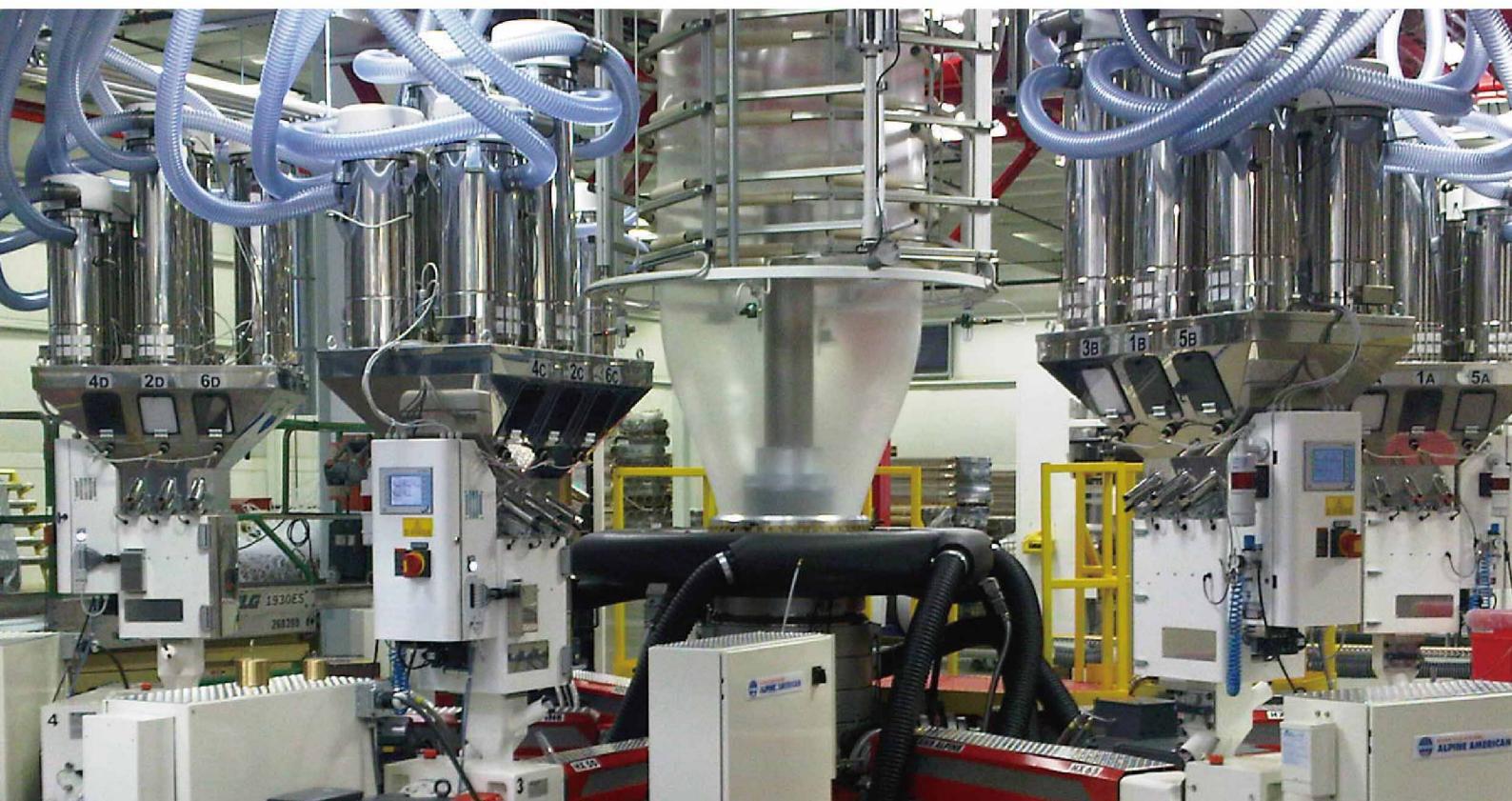


計量混合  
Dosing and Mixing

乾燥  
Drying

擠出控制  
Extrusion Control

# 擠出製程方案 Extrusion Process Solution



SYdos 連續式失重混合機  
Loss-in-weight continuous Dosing System

SYdos是連續式失重計量系統，它用於同時供送多重原料。主料通過兩個偏心感應器測重，然後把數據回饋給控制系統，控制系統再通過其他原料上的兩個偏心感測器測重並調節螺桿的轉速使其與主料達到恒定的配比。SYdos控制軟體包括了失重控制、米重/產量控制、原料消耗控制。

SYdos is continuous loss-in-weight gravimetric dosing system designed to dose and feed multiple components in all process in which a constant gravimetric feeding is required. Main material is weighed by two off-centre load cells and the data is transferred to control system to adjust the screw speed with the data transferred by each load cells of other materials. Control software of SYdos consists of loss-in-weight control, gram/meter and throughput control and material consumption control.

 挤出總量控制  
Extrusion gram/metre & yield control

 自動輪廓控制  
auto profile control

 在線測量  
Online thickness measurement

 IBC 膜泡內冷控制  
IBC inner cooling control



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t 0791 8598 7528  
f 0791 8598 6399

### 鄭州

河南省開封市金明區金明西街芳鄰一品  
南苑8號樓2單元1樓西戶  
t 0371-2296 4220  
f 0371-2296 4220

### 西安

陝西省西安市朱雀大街南段南方星座  
1-17-03號  
t 029 8194 7712  
f 029-8527 2912

### 上海

上海市松江區泗涇高新技術開發區  
高技路386-3號  
t 021 5762 8669  
f 021 5762 8667

### 昆山

江蘇省昆山市前進路東方華庭  
2A 302室  
t 0512 5770 1068  
f 0512 5770 8200

### 蘇州

蘇州市三香路1298號萬通大廈11樓A座  
t 0512 6829 8690  
f 0512 6829 3859

### 南京

南京市江寧區天元中路99號武夷綠洲  
品茗苑1幢403  
t 0519-8511 1313  
f 0519-85115533

### 無錫

江蘇省無錫市錫山區錫山經濟開發區工業  
園區第六期169號第一廠房  
t 0510 8522 9106  
f 0510 8525 9596

### 南通

江蘇省南通市經濟開發區上海路新開苑  
47棟102室  
t 021 5762 8669  
138 6194 4916  
f 021 5762 8667

### 常熟

蘇州市三香路1298號萬通大廈 11樓A座  
t 0512-6829 8690  
f 0512-6829 3859

### 常州

江蘇省常州市新北區河海街道榮盛錦繡  
華府19棟15號  
t 0519 8511 1313  
f 0519 8511 5533

### 余姚

浙江省余姚市舜匯東路北96弄6號  
t 138 5821 7886  
f 0574 6263 8480

### 溫州

溫州甌海區梧田鎮蟠鳳村燈籠浜路1號3樓  
t 188 7583 0656  
f 0577 8855 0376

### 杭州

浙江省杭州市大江東產業集聚區河莊  
街道河景路131號  
t 0571 8259 3751  
f 0571 8259 3951

### 寧波

寧波市江東區江南路國際汽車城  
明州商務大廈702室  
t 0574 6263 8482  
f 0574 6263 8480

### 台州

台州黃岩區印山路方山村三區二號  
t 0574-62638482  
f 0574-62638480

### 湖州

湖州市安吉天目中路9-11號  
t 0573-8522 5288  
f 0573-8522 5289

### 金華

金華市婺城區西關街道68號  
t 159 2421 9966

### 青島

山東省青島市李滄區文昌路28號9-1003室  
t 0532 8769 0696  
f 0532 8769 0686

### 合肥

合肥市經濟開發區百樂門尚澤大都會  
A座1708  
t 0551 6380 0285  
139 1313 0088  
f 0551 6380 0595

# 行銷區域 Worldwide

**滁州**  
 滁州市琅琊區菱溪路555號金域豪庭8號樓  
 2單元1803室  
 t 0550 3836 645  
 139 1313 0088  
 f 0550 3836 645

**蕪湖**  
 福建省寧德市東橋經濟開發區九龍路  
 3號億利城A區2幢302室  
 t 18875830656  
 0593-235 2958  
 f 0593 5868 340

**廈門**  
 廈門市翔安火炬高新區翔岳路69號2樓  
 t 0592 5634 111  
 f 0592 5639 532

**福州**  
 福建省福州市倉山區雙湖二路美  
 域東方7#401室  
 t 0591 8399 2208

**泉州**  
 福建省泉州市南環路江南商務公寓722室  
 t 0595 2247 3578  
 f 0595-8599 8303

**甯德**  
 福建省寧德市東橋經濟開發區九龍路  
 3號億利城A區2幢302室  
 t 18875830656  
 0593-235 2958  
 f 0593 5868 340

**大連**  
 大連開發區濱海路2號海濱城10號樓  
 2單元2504室  
 t 158 4091 9152

**瀋陽**  
 濱陽市經濟開發區沈遼西路18-7-2-1-2  
 t 134 7822 6608  
 f 024 3122 0897

**哈爾濱**  
 黑龍江哈爾濱市哈平路副85-2號  
 盛世閒庭407室  
 t 0451-8796 7682  
 f 0451-8796 7682

**長春**  
 長春市經開七區高層世紀新居  
 2單元1205號  
 t 024 6234 8752  
 f 024-6234 8752

**天津**  
 天津市河西區梅江海逸長州戀海園  
 7-2-101  
 t 022 8425 5281/138 2038 7027  
 f 022 8425 5436

**台州**  
 台州黃岩區印山路方山下村三區二號  
 t 0574 6263 8482  
 f 0574 6263 8480

**北京**  
 北京市大興區濱河街27號水晶之星1705  
 t 010 8128 3897 / 6127 2012  
 f 010 8128 2758 / 6021 5610

**山西**  
 重慶市璧山區璧泉街道銅山路80號  
 t 187 0233 7866  
 f 023 6431 0898

**石家莊**  
 河北省石家莊市開發區淮河道東城國際  
 3號樓1309室  
 t 139 3113 2909  
 f 0311 6759 1392

## 信易台灣營業所

**台南營業所**  
 臺灣臺南市新市區中山路工業巷2號  
 t 886 6 501 4625  
 f 886 6 501 4623

**台中營業所**  
 臺灣台中市西屯區工業40路34號  
 t 886 4 2358 1899  
 f 886 4 2358 1799

## Overseas Branches and Distributors

### Asia

**Korea**  
 Skated Co., Ltd.  
 2234-13, Jeongwang-dong, Siheung-si,  
 Gyeonggi-do Korea  
 t 82 31 497 8072  
 f 82 31 432 6490

**Vietnam**  
 Tan Ky Nguyen Co., Ltd.  
 17 Phan Phu Tien, Dist.5, Hochiminh City,  
 Vietnam  
 t 84 8 38593686  
 f 84 8 39505565

**Sri Lanka**  
 CMC Engineering Export GmbH  
 No 8, Rodrigo Mawatha,Nawala Road,  
 Rajagiriya,Sri Lanka  
 t 94 11 2806 776  
 f 94 11 2806 780

**Indonesia**  
 PT. Benua Kencana Makmur  
 JL. Bandengan Selatan NO. 84 A/1, Jakarta  
 Utara, 14450 Indonesia  
 t 62 21 661 3453  
 f 62 21 666 00907

**Uzbekistan, Kyrgyzstan,**  
 Turkmenistan, Tajikistan,  
 Kazakhstan  
 Xinjiang Huangjin Mid-Asia  
 Engineering Technology Co., Ltd.  
 Gaomi residential area 4-1-103, No.580  
 Heping South Road, Tianshan Dist.,  
 Urumchi City, Xinjiang P.R.C, China  
 t 86 991 8529088  
 f 86 991 8566 771

**Malaysia**  
 WY machinery trading (kl) sdn. bhd.  
 No.43, Jalan Meranti Jaya 8,Meranti Jaya  
 Industrial Park,47100 Puchong,  
 Selangor D.E., Malaysia  
 t 603 8060 8143  
 f 603 8062 4099

**Japan**  
 Altech Co., Ltd.  
 1-1 Irfune 2-chome, Chuo-ku,tokyo  
 104-0042, Japan  
 t 81 3 5542 6753  
 f 81 3 5542 6766

**PHILIPPINES**  
 NEW IVEX PLASTICS INDUSTRIES  
 NO.134 KAINGIN ROAD BALINTAWAK,  
 QUEZON CITY, METRO MANILA,  
 PHILIPPINES 1106  
 t (02) 412-3009 / (02)463-0575  
 f (02) 411-0949

**Thailand**  
 Shini Plastics Technologies  
 (Thailand) Co., Ltd.  
 78/6 Kingkaew Rd., Rachatewa Bangplee  
 Samutprakarn 10540 Thailand  
 t 66(0) 2738 4503 4  
 f 66(0) 2738 4505

**Pakistan**  
 Orotech  
 Shop no.3, Shadman Apartment, Opp.  
 Bohri Masjid, Off. Shaheed-e-Millat  
 Road, Karachi.  
 t 0092 21 34320600  
 f 0092 21 34320800

### America

**Canada**  
 Hamilton plastic systems ltd.  
 Unit # 2 - 230 Brunel Road,  
 Mississauga, Ontario, Canada L4Z 1T5  
 t 905 890 0055-102  
 f 905 890 1513

**Colombia**  
 Imocom S.A.S.  
 Calle 17 NR. 50 24 Bogota, Colombia  
 t 57 1 417 4730  
 f 57 1 2616019

**Peru**  
 Noblecorp  
 Los Milanos 135 Of. 302 San Isidro -  
 Lima - PERU  
 t 51 1 615 1400  
 f 51 1 615 1415

**USA**  
 Shini USA  
 38241 Willoughby Parkway  
 Willoughby, Ohio 44094-7582, U.S.A  
 t 1 440-918-0505  
 f 1 440-918-0606/440-918-0707

**Chile**  
 Servicios Técnicos Industriales SpA.  
 Coyancura 2270 of. 801 Cod.  
 Postal 7510124 Providencia  
 Santiago - Chile  
 t 56 (9) 9309 8825

**Argentina**  
 Eldan Electronica Sacifa  
 Bahia Blanca 2159 C1417asa. Cdad.  
 buenos Aires, Argentina  
 t 54 11 4566 5020  
 f 54 11 4566 2079

**Mexico**  
 Dycomet S.A DE C.V.  
 Av de Las Granjas 758-B, Col. Sta.  
 Catarina CP 02250, Mexico, D.F.  
 t 52 55 9172 0200  
 f 52 55 9172 0211

**MAQUINARIA INDUSTRIAL**  
 CABRERA S.A. DE C.V.  
 Calz. Lázaro Cárdenas No. 1400,  
 Col. Morelos, C.P.44910,  
 Guadalajara, Jalisco, México.  
 t 01 (33) 38 11 11 26

**Brazil**  
 SHINI DO BRASIL/IPLAS  
 Rua Curupá 631, Vl. Formosa,  
 São Paulo, SP, 03355-010, Brasil  
 t 55 11 2225 1721  
 f 55 11 2225 1724

**Ecuador**  
 Imocom Ecuatoriana CIA LTDA  
 Av. Galo Plaza Lasso N66-282 y de los  
 Aceitunos - Quito Ecuador  
 t 593 2 600 2070  
 f 593 2 600 2071

**Galo Villagomez Holguin**  
 Ventura mall, local 34-2 PA (planta alta) Av.  
 Interoceánica Km 14.5, Tumbaco - Ecuador  
 t +022-379168

**Venezuela**  
 Imocom de Venezuela, C.A.  
 C.E. Este Oeste Local 25 Calle Este Oeste  
 2 Con Av Norte Sur3 Zona Industrial Norte,  
 Valencia, Edo,Carabobo, Venezuela  
 t 58 241 8325 794  
 f 58 241 8385 319



## Oceania

### Australia

#### Telford Smith Engineering

250 Hammond Road, Dandenong,  
Victoria 3175  
t 61 3 8792 9777

### New Zealand

#### Machinetech Ltd.

112a Mays Road, Penrose, Auckland  
1061, New Zealand Po. Box 12899  
t 64 9 633 0071  
f 64 9 633 0072

## Africa

### S. Africa

#### Cabletech Marketing (Pty)Ltd.

10 Stal Street Kya Sands, Randburg, South  
Africa  
t 27 11 704 0824  
f 27 86 637 4749

### Tunis and Algeria

**Epsi SA & Epsi Distribution-Tunisia**  
9 rue des Frères Lumière 69720 Saint  
Bonnet de Mure France  
t 33 (0) 4 37 25 60 00  
f 33 (0) 4 37 25 60 01

### Egypt

**Makinat Abouself (Engineering and  
International Trading Co.)**  
Abu Rawash-KM 28 Cairo-Alex Road  
t 2 02 35 39 27 28  
f 2 02 35 39 27 30

## Middle East

### Iran

#### Aras Machinery Company

No. 26-28, 4th Floor., Seray - E -Omid,  
15th Khordad Ave, Tehran 11169, Iran  
t 98 21 7332 013  
f 98 21 7343 985

### Turkey

**HASTEK PLASTIK TEKNOLOJISI VE  
OTOMASYON SIST. PAZARLAMA  
SAN. VE TIC. LTD. STI.**  
IKITELLI ORG. SAN. BOLG. IPKAS  
SAN. SIT. 10/A BLOK No:834490  
BASAKSEHIR-ISTANBUL/TURKIYE  
t 90 212 6716 050  
f 90 212 6716 051

### Israel

**ASAF INDUSTRIES LTD.**  
29 HABANAI ST. HOLON, ISRAEL,  
5885707  
t 972-3-5581290  
f 972-3-5581293

### Jordan

#### TROYS COMPANY

Khilda-Amman Jordan  
t 0096 2 6488 9011  
f 0096 2 6488 5500

### Ethiopia, Uganda, Kenya, Tanzania, Nigeria, Ghana

Plot No. A-46, Chakan Indl Area,  
Phase-II, Chakan MIDC. Village Vasuli,  
Tal Khed, Pune, Maharashtra,  
India 410 501  
t 91 2135 660600  
f 91 2135 660629

### Saudi Arabia

#### AL BALAD AL BAID.est

Al Kharj Old Road, Second Industrial City,  
Al Zamel Center 2nd Floor Office #38,  
Riyadh, Saudi Arabia  
t 966-566370437

## Europe

### Poland

#### Shini Europe - Poland

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f 48 34 360 88 66

### Sweden

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46705 232370

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#### CMT Srl

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Arzignao(vi) Italy.

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f 39 04441572815

### France

#### Shini France

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B.P.39 01100 Bellignat, France  
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f 33 04 7473 9106

### Serbia

#### PLASTMA masine za preradu plastike d.o.o.

Kralja Petra I 67 21400 Backa  
Palanka, Serbia  
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f 381 21 60 40 449

### Finland

#### Polyplast

Keskuskatu 24 81100 Kontiolahti  
Finland  
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f 358 13 733 230

### Hungary

#### Extremplast BT.

8000 Székesfehérvár, Osztrákú.2, Sóstó  
Ipari Park, Hungary  
t 36 70 927 0746

#### Star-Plus M-anyakipari Kft.

3527.Miskolc, Sajósziget út 2 Hungary  
t 36 46 584 060

### Portugal

#### Deltaplas, Lda.

Zona Industrial Da Barosa, Petigais,  
2400-013, Leiria, Portugal  
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f 00351 244 823 218

### UK + Ireland

#### Shini Uk (trace Pt Limited)

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#### Cypet Technologies Ltd.,

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### Slovak

#### A.M. SK. SPOL. S. R. O.

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+7 423 292 8511 (Russia Vladivostok)  
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#### Polipak LLC

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#### Plastautomat Co.

127018, 2-ya Yamskaya str.2,  
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#### GlobalMash, Ltd

(ASTRON-C-GROUP, LLC)  
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t +7 495 5923 8988

#### Avangardplast Co., LTD

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t (383) 3-542-245, 8-913-940-3888  
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### Spain

#### DEWIT2000 S.L.

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Basauri  
Código postal:48970 (Spain)

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### Benelux

#### OBINION B.V.

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THE NETHERLANDS  
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### Czech Republic

#### A.M. Spol. s.r.o.

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### Lithuania

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