

## 橡膠射出機的第一選擇！

First Choice for Rubber Injection Machine

**COOLTEC®**  
Group Of Companies



Special Features

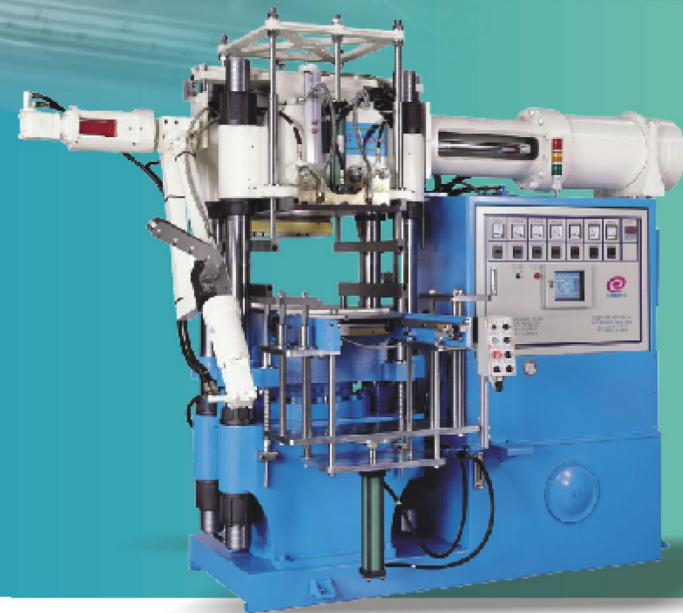
SERVICE

[Http://www.cooltecmarketing.com](http://www.cooltecmarketing.com)

PROFESSION

十多年的專業經驗，毅翔機械有限公司生產的各式各樣橡膠射出機產品，已經是橡膠機械的第一選擇，由於在工業機械上技術的精進，公司研發的各式各樣工業橡膠射出機，品質好並廣為國內外客戶使用。不管是橡膠射出機、矽膠射出機、真空熱壓機、切片機、切料機、毛邊機等等...其他專業機械的製造和維修，將以最佳品質貢獻業界，給與專業、親切、優質的服務，提供客戶最完善且最多的選擇。其中更以「高優質、高效率、高科技」三高原則為企業基本理念。強調提供客戶滿意的產品與服務，在務實經營與高品質方向下，堅持以嘉惠大眾的經營理念，不斷追求新設計與新開發。

With over than 10 years of experience, E-Shine Machinery Co., Ltd has developed a wide range of rubber injection machine products, thus becoming the best choice in rubber machinery. Our advancements in industrial machinery technology means we can supply top quality rubber injection machines widely used by both domestic and overseas customers. We have contributed best quality manufacturing and maintenance of rubber injection machines, silicon injection machines, vacuum hot presses, cutting machines, material cutters, burr-removing machines and other professional machines to the machinery industry. E-Shine Machinery offers professional, caring and quality service, and the most comprehensive and widest choices for customers. We established our business with a global perspective, providing professional total solutions to meet specific customer needs based on the corporate philosophy of high quality, high efficiency, and high technology. We emphasize and insist on providing every single customer with satisfactory products and service by continuing to pursue innovative design and development while practically running our business to achieve ultimate quality.



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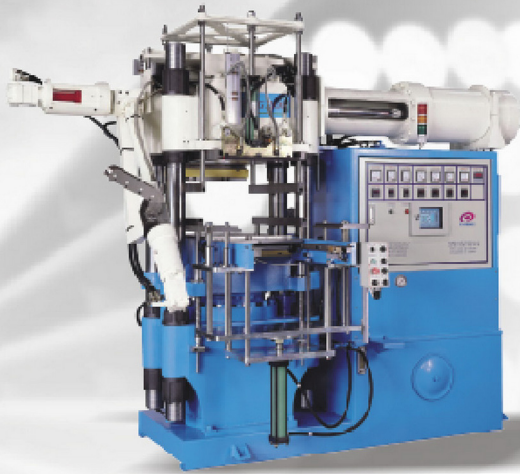
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- 擁有多種類型機台，商品廠內一次完工。
- 以客為尊，依客戶需求進行製作。
- 專業的製造管理團隊和嚴格的品質管制人員。
- 使命和服務：迅速和準時交付高品質的機器。

- E-Shine having variable range model of Rubber Machines and all build it in House.
- E-Shine also provided Custom make Rubber Machine accordingly to Customer requirement and specification.
- E-Shine strictly control the quality professionally by experienced Quality Control Personnel and Management team members.
- Mission and Service is "Quality Machines with Prompt and timely Deliveries"



## Cold Runner Rubber(Silicon) Injection Machine



>>>冷澆道橡膠(矽膠)射出成型機

### 冷澆道橡膠(矽膠)射出機特點介紹:



#### 一、入料系統:

採用特殊螺桿設計,使原料得到最佳的排氣,入料經熱煤油循環控溫,保證不會死料又可增加入料速度。

#### 二、射出系統:

採用德製電阻尺,以cc為計量單位,經熱煤油循環控溫,射出量精準。

#### 三、冷澆道機構:

使用滑動板,當射料時使用冷料射出,加硫時才使用熱壓成型,不會有死料及廢料的問題。

#### 四、監控設計:

可全方位監看機器動作、壓力流量、警告訊號、警告紀錄。

#### 五、油路設計:

全比例式油路系統,可簡單更改壓力速度設定。

#### 六、電控系統:

- (1) 溫控採PID運算,控溫準確,可和人機連線修改溫度。
- (2) 模組儲存功能包括溫度、壓力流量、時間、射出位置、上下位置、功能設定。
- (3) 加熱系統:採SSR 固態繼電器,加熱快速不超溫。
- (4) 模具調整:具有慢速調模功能,調模只需按上下按鍵,即可完成模具位置設定。

### Special features of Cold Runner Rubber(Silicon) Injection Machine.

#### 1 Feed system:

Specially made screw is used to achieve optimal exhaustion for the material. Hot kerosene is circulated to avoid jamming while increasing the feeding speed while stabilizing the temperature of the fed material.

#### 2 Injection system:

The German resistance scale "cc" is used as the measuring unit. The temperature is controlled by the circulating hot kerosene to achieve accurate injection while avoiding jamming.

#### 3 Cold runner mechanism:

The sliding plate system is used to separate the injecting and curing function. Cold rubber compound is used for injection, and temperature is raised only for the curing process achieving almost zero waste material after injecting molding.

#### 4 Monitoring design:

Full-area design to monitor the machine operation, pressure, flow rate, warning sign and warning record.

#### 5 Oil path design:

Pressure and speed settings are easier changed with the full-scale oil path system.

#### 6 Electrical control system:

★ Precise temperature control is achieved using PID calculations, temperature can be adjusted by connecting the man-machine interface.

★ The module saving function includes temperature, pressure/flow rate, time, injection position, upper/lower position, and function settings.

★ Heating system: uses SSR solid relay with fast heat-up without exceeding the limit.

★ Mold adjustment: slow mode adjustment function is provided. To adjustment the mold, simply press up/down key to complete the mold position setting.

- (一).省廢料比較:橡膠在低溫射出(保持在60°C~80°C間)可使橡膠原料在流道及射料頭內不會死料,達到零廢料的目標。
- (二).模具比較:如以一般射出機模具修改,只需簡單的更改。新模具的製作,更只需多一塊轉射模板,便可達到最好的效果。
- (三).模具安裝比較:模具可直接安裝,不需另外加裝冷卻管管路。
- (四).生產產品比較:凡是一般射出機可生產的產品,冷澆道橡膠射出機皆可生產。
- (五).橡膠材料省料計算:一模可節省30cc左右之橡膠材料。



- (A). **Contrast of waste materials** : the slide plate is kept at constant temperature range of 60°C ~80°C and therefore avoids rubber materials to be wasted inside the mold and injector head.
- (B). **Contrast of Mold** : Only easy alternations are required to change injection mold. And if it is an open mold, simply one injector mold plate setup is needed to achieve the best result.
- (C). **Contrast of mold installation** : A regular machine mold can be used on a Cold Runner Rubber Injection Machine directly with no cooler pipe installation needed.
- (D). **Contrast of produce products** : Any rubber products from a regular machine can be produced with a Cold Runner Rubber Injection Machine.
- (E). **Contrast of saving materials** : Compared to a regular machine, the Cold Rubber Injection Machine can save around 30cc of rubber material every mold press.

### 冷澆道橡膠(矽膠)射出成型機規格表(單軸,單馬達)

### Cold Runner Rubber(Silicon) Injection Machine

機型	Type	100 Ton	200 Ton	300 Ton	400 Ton
行程	Stroke	400 mm	500 mm	600 mm	600mm
工作檯面	Working table	450x450mm	503x508mm	580x600mm	700x700mm
上電熱板	Upper heater plate	450x450mm	503x508mm	580x600mm	700x700mm
下電熱板	Lower heater plate	460x460mm	495x508mm	580x600mm	700x700mm
出入模板	Mold in-out plate	460x520mm	490x570mm	581x660mm	704x760mm
射出量	Inject Capacity	1000cc	1500cc	3000cc	4000cc
活塞直徑	Piston diameter	250mm	350mm	450mm	560mm
電熱	Electrical heater	12KW	16KW	18KW	25KW
馬達	Motor-Single motive power	10HP(7.5)	15HP(11)	20HP(15)	20HP(15)
總電力	Total power	19.5KW	27KW	33KW	40KW
開模方式	Mold opening method	上下 0RT: up/down 出入 1RT: in/out		前頂 2RT: front ejector 中模 3RT: middle mold 頂模 4RT: Top mold	



## Oil Seal Vacuum Molding Machine



>>> 油封真空成型機

### 油封真空成型機特點介紹:



#### 一、真空系統:

- (1) 採真空罩油缸上拉方式，穩定度高，不容易漏油。
- (2) 採用西德制真空幫浦，真空度高、安靜，閥體使用進口球閥，流量高、抽真空快。

#### 二、出入模設計:

採用模框裝置，方便安裝且快速。

#### 三、前項設計:

使用雙層無油軸承設計，並加防塵封保護。

#### 四、監控設計:

可全方位監看機器動作、壓力流量、警告訊號、警告紀錄。

#### 五、油路設計:

全比例式油路系統，可簡單更改壓力速度設定。

#### 六、電控系統:

- (1) 溫控採PID運算，控溫準確，可和人機連線修改溫度。
- (2) 模組儲存功能包括溫度、壓力流量、時間、功能設定。
- (3) 加熱系統: 採SSR 固態繼電器，加熱快速不超溫。
- (4) 模具校正: 具有慢速調模功能。

### Special features of the Oil Seal Vacuum Molding Machine.

#### 1. Vacuum system:

- ★ Utilizes upward pull motion for hydraulic cylinder in the vacuum hood, which support to provide stability and prevent oil leakage.
- ★ Uses West Germany vacuum pump for high vacuity and low noise. Imported ball valves are used to offer high flow rate and fast vacuum extraction.

#### 2. In / out-molds:

Designed with special Mold Frame devices, it easy and convenient to setting and operate.

#### 3. Front ejector:

Designed using double-layer oil-less bearings, protected with a dust seal.

#### 4. Monitoring design:

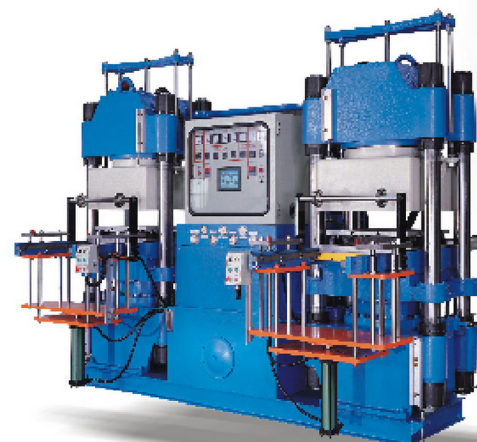
Allow overall monitoring on machine actions, pressure and flow rate, and warning messages and records.

#### 5. Hydraulic circuit design:

Fully proportional hydraulic system is used allowing easy adjustment of pressure and speed.

#### 6. Electrical control system:

- ★ Precise temperature control is achieved using PID calculations, temperature can then be adjusted by connecting the man-machine interface.
- ★ The module saving function includes temperature, pressure/ flow rate, time and function settings.
- ★ Heating system: uses SSR solid relay with fast heat-up without exceeding the limit.
- ★ Mold calibration: available with slow mode calibration.



## Vacuum Hot Press Machine



>>> 真空熱壓機

### 真空熱壓機特點介紹:



#### 一、真空系統:

- (1) 真空罩油缸以上拉方式，並加四根導柱，穩定度高，不容易漏油。
- (2) 採用西德制真空幫浦，真空度高、安靜，閥體使用進口球閥，流量高、抽真空快。

#### 二、出入模設計:

採特殊隔離裝置，可保出入模時，不會磨損熱板及出入模板。

#### 三、前項設計:

使用雙層無油軸承設計，並加防塵封保護。

#### 四、監控設計:

可全方位監看機器動作、壓力流量、警告訊號、警告紀錄。

#### 五、油路設計:

全比例式油路系統，可簡單更改壓力速度設定。

#### 六、電控系統:

- (1) 溫控採PID運算，控溫準確，可和人機連線修改溫度。
- (2) 模組儲存功能包括溫度、壓力流量、時間、功能設定。
- (3) 加熱系統: 採SSR 固態繼電器，加熱快速不超溫。
- (4) 模具調整: 具有慢速調模功能。

### Special features of Vacuum Hot Press Machine

#### 1. Vacuum system:

- ★ Utilizes upward pull motion for hydraulic cylinder in the vacuum hood, which supports to provide stability and prevent oil leakage.
- ★ Uses West Germany vacuum pump with high vacuity and low noise. Imported ball valves are used to offer high flow rate and fast vacuum extraction.

#### 2. In / out-molds:

Designed with special isolating devices to prevent wearing of the heat plate and the in/out-mold plate.

#### 3. Front ejector:

Designed using double-layer oil-less bearings, protected with a dust seal.

#### 4. Monitoring design:

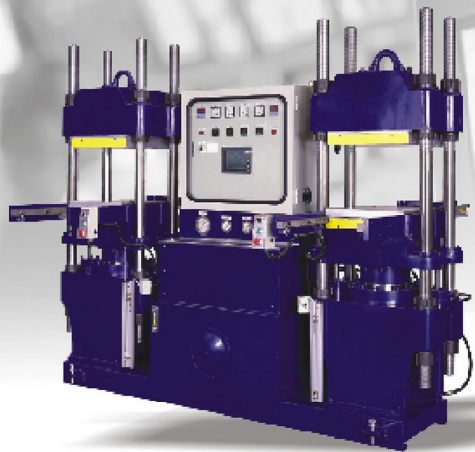
Allow overall monitoring on machine actions, pressure and flow rate, and warning messages and record.

#### 5. Hydraulic circuit design:

Fully proportional hydraulic system is designed for easily adjustable pressure and speed.

#### 6. Electrical control system:

- ★ Precise temperature control is achieved using PID calculations; temperature can be adjusted by connecting the man-machine interface.
- ★ The module saving function includes temperature, pressure/flow rate, time and function settings.
- ★ Heating system: uses SSR solid relay with fast heat-up without exceeding the limit.
- ★ Mold calibration: available with slow mode calibration.



## High-Speed Hot Press Molding Machine

>>> 快速熱壓機

### 快速熱壓機特點介紹：

#### 一、出入模設計：

採特殊隔離裝置，可保出入模時，不會磨損熱板及出入模板。

#### 二、前頂設計：

使用雙層無油軸承設計，並加防塵封保護。

#### 三、監控設計：

可全方位監看機器動作、壓力流量、警告訊號、警告紀錄。

#### 四、油路設計：

全比例式油路系統，可簡單更改壓力速度設定。

#### 五、電控系統：

- (1) 溫控採PID運算，控溫準確，可和人機連線修改溫度。
- (2) 模組儲存功能包括溫度、壓力流量、時間、功能設定。
- (3) 加熱系統：採SSR 固態繼電器，加熱快速不超溫。
- (4) 模具調整：具有慢速調模功能。

### Special features of High-Speed Hot Press Molding Machine

#### 1. In / out-molds:

Designed with special isolating devices to prevent wearing of the heat plate and the in/out-mold plate.

#### 2. Front ejector:

Designed using double-layer oil-less bearings, protected with a dust seal.

#### 3. Monitoring design:

Allow overall monitoring on machine actions, pressure and flow rate, and warning messages and records.

#### 4. Oil path design:

Fully proportional hydraulic system, pressure and speeds can be easily adjusted.

#### 5. Electrical control system:

★ Precise temperature control is achieved using PID calculations, temperature can be adjusted by connecting the man-machine interface.

★ The module saving function includes temperature, pressure/flow rate, time and function settings.

★ Heating system: uses SSR solid relay with fast heat-up without exceeding the limit.

★ Mold calibration: available with slow mode calibration.



## High-Speed Deflashing Machine

>>> 高速毛邊處理機



### 高速毛邊處理機特點介紹：

#### 一、機台特色：

1. 不需要氮氣及噴砂膠粒等耗材，節省人力及耗材費用。
2. 提高生產效率及產品品質的一致性。
3. 數位觸控式螢幕設定，操作更方便、更簡單。
4. 只要空氣壓力和水，3分鐘內即可處理橡膠產品的毛邊及毛刺。

#### 二、用途：

1. 高速毛邊處理機是橡膠成型後，去除多餘毛邊和毛刺的利器。
2. 價格實惠的修邊機，使產品修邊作業快速且節省勞力成本。

#### 三、適合產品：

- ★ NR、NBR、EDPM、SI、FPM、HNBR、CR、過氧節材質。
- ★ O、X、U、V-ring和異型件等形狀。

### High-Speed Deflashing Machine

is a process used by the rubber industry to remove flash from molded rubber parts.

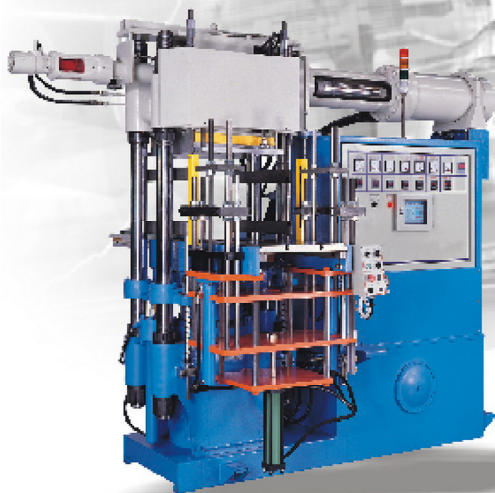
An affordable system of mechanically deflashing rubber parts that provides quick pay back & improved finish quality.

#### Machine features:

1. Manpower and material Costs saving, not need nitrogen, plastic pellets of blasting and other.
2. Improvements in productivity, product consistency and quality.
3. Touch screen panel, make it easy and convenient to setting and operate.
4. Rubber flashing and burr just Deflashing by Air Pressure and little water only less than 3 minute.

#### Applicable Rubber Materials and products:

- ★ NR, NBR, EDPM, SI, FPM, HNBR, CR, Peroxide materials and etc...
- ★ O, X, U, V-ring, piece of particular shape product and etc...



## Rubber Injection Molding Machine

>>> 射出成型機

### 射出成型機特點介紹：

#### 一、入料系統：

採用特殊螺桿設計，使原料得到最佳的排氣，入料經熱煤油循環控溫，保證不會死料又可增加入料速度。

#### 二、射出系統：

採用德製電阻尺，以cc為計量單位，經熱煤油循環控溫，射出量精準。

#### 三、轉射板機構：

可使用座進、座退功能，清料容易又不容易死料。

#### 四、安全設計：

採用安全電眼保護，可保護操作人員，疏乎造成意外。

#### 五、監控設計：

可全方位監督機器動作、壓力流量、警告訊號、警告紀錄。

#### 六、油路設計：

全比例式油路系統，可簡單更改壓力速度設定。

#### 七、電控系統：

- 溫控採PID運算，控溫準確，可和人機連線修改溫度。
- 模組儲存功能包括溫度、壓力流量、時間、射出位置、上下位置、功能設定。
- 加熱系統：採SSR 固態繼電器，加熱快速不超溫。
- 模具調整：具有慢速調模功能，調模只需按上下按鍵，即可完成模具位置設定。

### Special features of Injection Molding Machine.

#### 1.Feed system:

Specially designed screw is used to achieve optimal exhaustion for the material. Hot kerosene is circulated to avoid jamming while increasing the feeding speed while stabilizing the temperature of the fed material.

#### 2.Injection system:

The German resistance scale "cc" is used as the measuring unit. The temperature is controlled by circulating hot kerosene to achieve accurate injection while avoiding jamming.

#### 3.Transfer injection plate mechanism:

Machine forward and backward function is designed for easier material cleaning while avoiding jamming.

#### 4.Safety design:

Safety sensor is installed to prevent man-caused accidents.

#### 5.Monitoring design:

Full-area design to monitor the machine operation, pressure, flow rate, warning sign and warning record.

#### 6.Oil path design:

Full-scale oil path system is designed for easier changing of the pressure and speed setting.

#### 7.Electrical control system:

- ★Precise temperature control is achieved using PID calculations, temperature can be adjusted by connecting the man-machine interface.
- ★The module saving function includes temperature, pressure/flow rate, time, injection position, upper/lower position, and function settings.
- ★Heating system: uses SSR solid relay with fast heat-up without exceeding the limit.
- ★Mold adjustment: slow mode adjustment function is provided. To adjustment the mold, simply press up/down key to complete the mold position setting.

### 機械共同特點介紹：



#### 一、機體：

球墨鑄鐵FCD50經過時效鈍化具高抗拉強度及韌性。

#### 二、油壓缸軸心：

CR (白鑄鐵) 經過研磨完成，精密度在0.02mm以內。

#### 三、輔助油壓缸及出入模油壓缸：

- 油缸：採STKM-13無縫鋼管及S45C精密研磨軸心。
- 輔助油壓缸及出入模油缸油封：採日製NOK油封。
- 特性：耐磨抗溫壽命特長。

#### 四、油封：所有主軸油封及迫緊採用西德UGD/J品牌。

#### 五、立柱：採中碳鋼硬路處理，HRC55~58。

#### 六、進出模滑軌：

滑動面採用S45C中碳鋼經研磨，離質氮化處理，使進出模穩定滑，耐磨壽命特長。

#### 七、熱壓台面(上下台面)：

含進退模板採離質氮化處理，並經過研磨完成，硬度HRC-58.3~59.2。材質：S50C(上) S50C(下)。

#### 八、電熱管：

採鍍鉻合金外包不銹鋼管，溫度精度±3℃。

#### 九、油壓系統：

比壓比流，採集體式油路系統設計，可設定主軸油缸升降速度。20mm/sec~136mm/sec。

#### 十、平面精度：0.03 mm 以上。

### Special Features

#### 1.Main body:

Spherical graphite iron FCD50 is age-passivated to have high tensile strength and toughness.

#### 2.Hydraulic cylinder ram:

Made of high CR white cast iron and milled to a tolerance within 0.02mm

#### 3.Auxiliary hydraulic cylinder and hydraulic cylinder for loading/unloading the mold:

★Hydraulic cylinder: adopts STKM-13 seamless steel cylinder and S45C precision machined piston.

★Oil seals of auxiliary hydraulic cylinder and hydraulic cylinder for loading/unloading the mold: adopt Japanese NOK oil seals.

★Characteristics: durable, abrasion and temperature resistant.

#### 4.Oil seal:

All shaft oil seals and packing UGD/J are made in Germany.

#### 5.Vertical post:

Medium carbon steel is hard chromium treated to have an HRC form 55 to 58.

#### 6.Rail for in/out molds:

The sliding surface uses S45C, which is processed through ion-nitride, enables smooth sliding of in/out molds and prolongs lifespan.

#### 7.Mold press working table(upper/lower tables):

ion-nitride, including mold-in/out plates, milled to achieve HRC-58.3-59.2 hardness. Both the upper table and the lower table are made out of S50C.

#### 8.Electrical heater:

Electrical heater uses nickel-chromium alloy with stainless copper cladding, temperature accuracy within ±3℃.

#### 9.Hydraulic system:

The hydraulic system is controlled via proportional pressure to flow ratio with a collective circuit design. The ascending/descending speed of the main cylinder can be adjusted within the range of 20mm/sec to 136mm/sec.

#### 10.Surface precision: Within 0.03mm.

### 臥式射出成型機規格表



### Rubber Injection Molding Machine Type

機型	Type	100 Ton	200 Ton	300 Ton	400 Ton
行程	Stroke	400 mm	500 mm	600 mm	600mm
工作檯面	Working table	450x450mm	503x508mm	580x600mm	700x700mm
上電熱板	Upper heater plate	450x450mm	503x508mm	580x600mm	700x700mm
下電熱板	Lower heater plate	460x460mm	495x508mm	580x600mm	700x700mm
出入模板	Mold in-out plate	460x520mm	490x570mm	581x660mm	704x760mm
射出量	Inject Capacity	1000cc	1500cc	3000cc	4000cc
活塞直徑	Piston diameter	250mm	350mm	450mm	560mm
電熱	Electrical heater	12KW	16KW	18KW	25KW
馬達	Motor-Single motive power	10HP(7.5)	15HP(11)	20HP(15)	20HP(15)
總電力	Total power	19.5KW	27KW	33KW	40KW
開模方式	Mold opening method	上下 0RT:up/down 前頂 2RT: front ejector 頂模 4RT: Top mold 出入 1RT: in/out 中模 3RT: middle mold			

### 真空熱壓機規格表

#### Vacuum hot press Machine Type

機型 Type	200 Ton	250 Ton	300 Ton	500 Ton
行程 Stroke	250 mm	250 mm	250 mm	300mm
上電熱板 Upper heater plate	510x510mm	600x600mm	600x600mm	850x850mm
下電熱板 Lower heater plate	540x600mm	650x720mm	650x720mm	850x920mm
出入模板 Mold in-out plate	620x650mm	725x725mm	725x730mm	940x980mm
活塞直徑 Piston diameter	350mm	400mm	450mm	560mm
電熱 Electrical heater	22KW	34KW	34KW	34KW
馬達 Motor-Single motive power	15HP(11) single	15HP(11) single	10HPx2(15) double	15HPx2(15) double
真空馬達 Vacuum pump motor	4HP(3)	4HP(3)	4HP(3)	4HP(3)
總電力 Total power	40KW	48KW	52KW	52KW
開模方式 Mold opening method	上下 0RT:up/down 前頂 2RT: front ejector 頂模 4RT: Top mold 出入 1RT: in/out 中模 3RT: middle mold			

※ 標準規格：100T~500T，如有特殊規格亦接受訂制，歡迎與本公司連繫。

The standard specifications of the machine 100T~500T, if there are special specifications also accept custom. Welcome to contact with us, thanks.

### 快速熱壓機規格表

#### High-Speed Hot Press Molding Machine Type

機型 Type	200 Ton	250 Ton	300 Ton	500 Ton
行程 Stroke	250 mm	250 mm	250 mm	300mm
上電熱板 Upper heater plate	510x510mm	600x600mm	600x600mm	850x850mm
下電熱板 Lower heater plate	540x600mm	650x600mm	650x650mm	850x850mm
出入模板 Mold in-out plate	540x570mm	650x650mm	650x680mm	855x880mm
活塞直徑 Piston diameter	350mm	400mm	450mm	560mm
電熱 Electrical heater	22KW	34KW	34KW	34KW
馬達 Motor-Single motive power	15HP(11) single	15HP(11) single	10HPx2(15) twin	15HPx2(15) twin
總電力 Total power	40KW	48KW	52KW	52KW
開模方式 Mold opening method	上下 0RT:up/down 前頂 2RT: front ejector 頂模 4RT: Top mold 出入 1RT: in/out 中模 3RT: middle mold			

### 高速毛邊處理機規格表

#### High-Speed Deflashing Machine Type

主要規格功能：	Main Specifications:
軸數：單軸式	Spindle number: Single spindle
動力：2.2KW-28400-R/M1N馬達	Power: 2.2KW-28400-R/M1N motor.
水壓：800PH-AC110 L-801	Water pressure: 800PH-AC110 L-801
汽缸零件：HXPC	Cylinder component: HXPC
氣壓泵浦：2W-160-15	Pneumatic pump: 2W-160-15
技術規格：	Technical Specifications:
功率：3KW	Power: 3KW
內空間容量：30L	The internal space capacity: 30L
淨重：約 368KG	Net Weight: Approx. 368KG
尺寸外型：	Dimensions:
(長)123CM x (寬)95CM x (高)190CM	(L) 123CM x (W) 95CM x (H) 190CM
(安全防護罩開啓高度228CM)	(The security guard opening height 228CM)

### 油封真空成型機規格表

#### Oil seal vacuum molding Machine Type

機型 Type	100 Ton
行程 Stroke	120 mm
工作檯面 Working table	335x380mm
模框尺寸 Mold frame dimensions	346x384mm
活塞直徑 Piston diameter	250mm
電熱 Electrical heater	7.2KW
馬達 Motor-Single motive power	7.5HP(5.5)-single
真空馬達 Vacuum pump motor	3HP(2.2)
總電力 Total power	15KW
開模方式 Mold opening method	前頂 2RT: front ejector 中模 3RT: middle mold