

煜達機械股份有限公司 (TAIWAN)
YUH-DAK MACHINERY CO., LTD.

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煜達機械股份有限公司



立式射出成型機
Vertical Injection Molding Machine

追求創新高品質 • 產業結盟創價值
Quality-Innovation Appreciated by Industry Alignment

www.yuhdak.com.tw



ISO 9001



Designed by **Polaris** 2014-09 +886-4-24517070

公司簡介 INTRODUCTION

www.yuhdak.com.tw

追求創新高品質 產業結盟創價值

Quality-Innovation & Appreciated by Industry Alignment

累積過往經驗，造就今日實力

煜達機械股份有限公司，乃為一專精於直立式塑膠射出成型機的专业製造廠，成立於 1986 年 4 月，至今擁有了二十多年豐富的製造經驗與市場趨勢觀察，故具備了高精度、易維修以及符合時代潮流等特性。

全力配合客戶，積極研發機種

煜達機台的生產乃是配合著客戶的實際需求來從事設計與製造，並可依據客戶所需而另有直立式專用射出機台之周邊設備的整合規劃、設計與製造。

組織規模相當，傲居廣大市場

煜達公司於台灣與中國大陸兩地，各有其分公司與廠房的設立。在台灣，煜達已屬於直立式塑膠射出機中的三大廠之一。

We have accumulated rich experience so as to create today's strength.

YUH-DAK Machinery Co., Ltd. is a manufacturer specializing in making vertical plastic injection molding machines. The company was established in April 1986. Since then, with twenty years of rich experience in manufacturing and keen observation of market trends, our products have possessed the features of high accuracy, easy maintenance and conformity to the trend of times.

We make every endeavor to fully cooperate with customers, and actively develop new models.

YUH-DAK's machines are made to follow customers' actual needs in terms of design and manufacture. By the request of customers, we can make integral planning, design and manufacture of vertical professional injection molding machine and the peripheral installation.

The organization is quite sizable, dominating in a large market.

YUH-DAK Machinery Co., Ltd. has set up its branch offices and factories in both Taiwan and mainland China. In Taiwan, Yuhdak has become one of three big top manufacturers in the market of vertical professional plastic injection molding machines.

煜達台灣總公司 - YUH-DAK Taiwan Headquarters

經營理念

Operational Idea

煜達機械股份有限公司

乃秉持著專業的品質技術與服務；不斷提升自動化能力，並積極地邁向個性化機台設計形式路線，堅持做業者最能信賴的伙伴。

未來，將致力發展自動化專用機市場，著力於特殊機台的設計製造，以期未來在專業直立式塑膠射出機製造上，能提供客戶更寬廣的專業服務。

YUH-DAK Machinery Co., Ltd.

Is committed to offering quality, technology and service in profession. In an endless effort, we will promote automation, and aggressively stride toward the way to make personal machinery design. We insist on being the most trusted partners in industry.

In the future, we will be committed to the development of automatic machines in the market, focusing on design and manufacture of special machines. We hope we may be able to provide even more broad and professional service to our customers in the manufacture of professional vertical plastic injection machines.

CE Identification

Certification File Number :
KEMA NO:2078270.02CE
KEMA NO:2078270.01CE



品質認證

Quality Certification

研發是優勢，品質是優質

研發能力一直是煜達公司的優勢，其不斷配合客戶需求而加以研發創新，力求設計出精度夠且維修方便的高品質直立式塑膠射出機器，以協助客戶製造出最優良的射出產品。

重視安全環保，認證肯定信譽好

降低成本、提高效率乃為煜達的生產目標，重視工作的安全性、響應環保觀念與一等一的品質政策執行等，已使煜達於品質保證上獲得了 ISO、CE、QS 等多項認證的肯定，也因此，優良的品質保證促使煜達深獲客戶信賴，進而擁有了分佈於世界各地的大量忠實客戶群，而也擁有了直立式塑膠射出機械市場的廣大行銷世界版圖。

The R & D is our advantage for a better quality

The R & D capabilities have been Yuhdak's advantage. The company constantly works together with our customers to do research and innovation, and strive to design vertical plastic injection machines in high quality and precision as well as easy maintenance. We aim to assist our customers in making the best injection products.

Being environmentally friendly is our emphasis; certification ensures good reputation

Being environmentally friendly is our emphasis; certification ensures good reputation. Yuhdak company would reduce costs, and improve efficiency to achieve the production goal. The company also pays much attention to work safety. We act diligently with an environmentally friendly concept and first-class quality control policies, enabling Yuhdak to obtain some certifications, such as ISO, CE, QS and others. Consequently, such excellent quality assurances have led Yuhdak to be greatly trusted by customers. Furthermore, a great number of faithful customers come from every corner of the world. Vertical plastic injection machine therefore have been sold to the world market.

ISO9001:2000


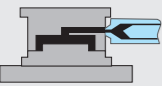
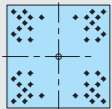
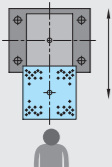
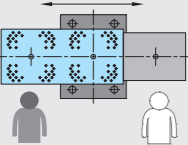
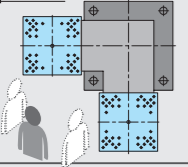
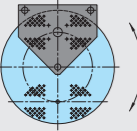
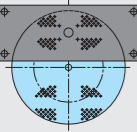
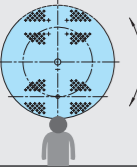
Certification File Number : EQAICC-Q-R4903



機種選擇
MODEL SELECTION

機種概述圖表 (鎖模 / 射出 / 模板)

Various models overview chart (clamping / injection / template)

方式 概述 OVERVIEW MODE		機種 系列 MODELS SERIES					
		YH	YR	YQ	YT	YL	YC
	有柱式 Tie-bar	●	●	●			
	無柱式 Tie-barless					●	
	有柱式 Tie-bar				●		
	無柱式 Tie-barless						●
	固定模 (V) Fixed bottom platen	●		●	●	●	●
	單滑模 (1S) Single Slipper Table	●		●	※	●	
	雙滑模 Double Slipper Table 180° (2S)	●		●	●		●
	雙滑模 Double Slipper Table 90° (2SL)			●			
	三柱圓盤 (3R2) Three Columns Rotary Table		●		●		
	四柱圓盤 (4R2) Four Columns Rotary Table		※		※		
	無柱圓盤 (R) Tie-barless Rotary Table					●	●

補充說明：
1. ● 表示標準機種 2. ※ 表示特殊機種 3. 雙料管射出請參閱雙色單元

Additional information:
1. ● Represent standard model 2. ※ Represent particular model
3. Double injection please refer two color unit

控制系統
CONTROL SYSTEM

www.yuhdak.com.tw

AF-1000



- 高速中斷模式 250μs / 全機軟體校正：
1. 可編成 D/A 比例輸出，可依 DA 值或壓力值、速度值調整。2. 線性 D/A 輸出。
3. 正負電壓 D/A 輸出。4. A/D 線性化軟體調校，調機容易。
- 控制精準度：1. 模糊 PID 控制模式，溫度控制精準度為 0.5℃ 溫度顯示為 0.1℃。
2. 0.1mm 位置控制，高速偵測模式 10μs。
3. 0.1kg/cm2 壓力控制，256 階向量。
4. 0.1% 速度控制，56 階向量。
- LCD 分辨率：800X600，1.AF08C：標準搭載 8" TFT LCD 面板，LED 背光及亮度可透過軟體調整。2.AF10E：標準搭載 10.4" TFT LCD 面板，LED 背光及亮度可透過軟體調整。
- 支援多國語言，標準 6 種（中、英文，預留 4 種）/ 使用 USB 介面：

- High-speed interrupting mode 250μs / whole machine software calibration：1. It can be compiled into the D / A ratio output, which can be adjusted according to the DA value or pressure value, speed value. 2. Linear D / A output. 3. Positive and negative voltage D / A output. 4. A / D linearization software tuning, easy to adjust the machine.
- Control Accuracy：1. Fuzzy PID control mode, temperature control accuracy is of 0.5℃；temperature display is of 0.1℃. 2. 0.1mm position control, high-speed detection mode 10μs. 3. 0.1kg/cm2 pressure control, 256 order vector. 4. 0.1% of speed control, 56 order vector.
- LCD resolution rate: 800X600
- AF08C: standard equipment 8 "TFT LCD panel, LED backlight and brightness can be adjusted with software.
- AF10E: standard equipment 10.4 "TFT LCD panel, LED backlight and brightness can be adjusted with software.
- Multiple languages support: six standard languages(Chinese, English, and other four default languages)/via USB interface.

BL870



- 熟悉介面：沿襲 AMC500，700 系列操作介面及功能，老客戶好操作，好上手。學習曲線低，線上求助子畫面，每畫面都有說明，還有針對各可輸入項目詳細說明，警報也有說明。資料庫：塑料溫度設定查詢。
- 安全檢查：提示最大最小範圍值，如資料輸入超過範圍，用聲音提示，並自動回復原值。
- 大字報：大型字體，美觀容易看，功能排列簡潔，容易操作。
- 完全掌控：儀表板子畫面，在任何時候，隨時瞭解機台狀態。超強記憶：模組記憶可記憶 200 組。
- 身歷其境：連線程式介面與機台面板介面完全相同，不需另外學習，身在辦公室，也可直接瞭解機台的狀態。
- 萬國語言：具有多種語言顯示模式，可隨時切換，方便不同地區人員操作。3D 動畫：機械動作全程動畫顯示。

- Familiar interface: To follow AMC500, 700 series interface and functions, former customers can have an easy and better operation. Low learning curve: It installs online help sub-screen, and each screen has given description. There are detailed instructions for each item as well as alarm. Database: plastic temperature setting and search.
- Security checks: Tip of values in a maximum and minimum range; if data entry goes out of range, it will be prompted in voice, and automatically return to the original value.
- Poster: In a large font, good-looking and easy to look at. Functions are arranged insimplicity, easy to operate.
- Complete control: Panel screen can display the status of the machine at any time. Extremely powerful memory: Module Memory can have 200 units in memory.
- Virtual Reality: Linking program interface is completely identical to the panel interface so there is no need to learn again. The staff can directly monitor the status of the machine even though he/she stays in the office.
- Universal languages: a multilingual display mode is available for personnel to switch at any time for the use in different regions. 3D Animation: mechanical movement process display in animation.

TFT-900 / SH-900



- 開機時能自我檢測所有之硬體 PC 板，使服務維修更為簡易。
- 教導式之操作系統，任何設定值皆提示可設定之上限下限範圍與操作模式訊息於螢幕上。
- 簡易之操作畫面，包括操作人員畫面，工程人員畫面及求助解說畫面。
- 所有之成型控制，皆設計為功能選擇，易於操作軟體調整定位尺之線性與比例，長度控制於螢幕上輸入即可，安裝簡易。
- mm 與 inch 之單位與設定值自動轉換。
- 射出終點之射出量不足或溢料檢測。
- 關閉模及射出定位尺為動態圖型顯示。

- System diagnostic function regarding to check controller hardware part.
- Display of current operate and setting of cursor position and setting of low with high limit and display of control guide message for each cycle steps.
- Easy operate due to support of Operator screen, Engineer screen and Help screen.
- Software auto ZERO & GAIN adjustment for linear transfer device and alarming of sensor malfunction.
- The setting value and unit of mm and inch is automatic changeable.
- Precise control of the mold open positions.
- Precise cushion correction and alarm of high/low.
- Free select of control position for ejector on the fly and core and unscrew in with out by perfect mold position.
- Clamp & Screw is in dynamic graphics display.

YH 系列
YH SERIES

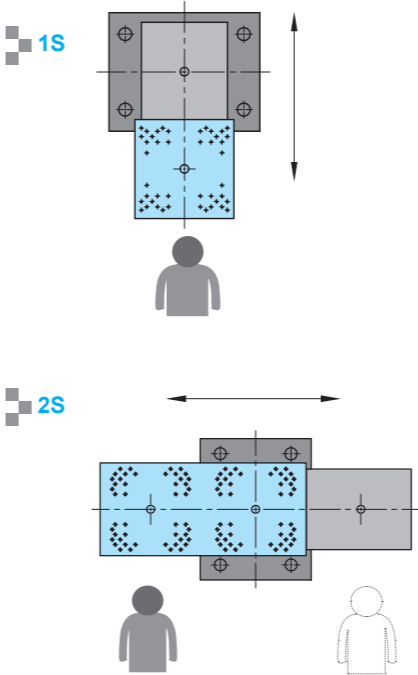
YH- V / 1S / 2S 立式關模立式射出系列
YH- V / 1S / 2S Vertical Clamping Vertical Injection Series

功能特點

- 立式四柱直立鎖模，直立射出，採長方形柱內設計，便於嵌入。
- 射出採用雙缸平衡式結構，射出平穩有力。
- 結構簡約，佔地空間小。
- 直立式鎖模，能快速下降合模與慢速低壓合模，對模具的壽命，更能持久。
- 1S單滑模：在開模後下模自動滑移到操作者正前方，更便於鑲嵌件成型作業。
- 2S雙滑模(交替式雙滑模)：一模在注塑成型，一模在外做取件與放鑲嵌件的工作，生產效能更高。

Features

- Four-column/vertical clamping, vertical injection. Rectangular shape between tie bars for easy insert
- Twin injection cylinder balanced for smooth and powerful injection.
- Small foot print
- Double action clamping cylinder for fast clamping, slow speed high pressure clamping.
- Single shuttle pushes the lower mold out for easy loading/unloading
- Double shuttle use two lower mold, machine molding the parts while the operator is loading the other mold, to increase productivity



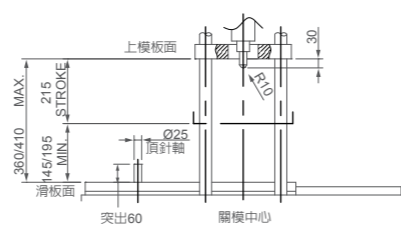
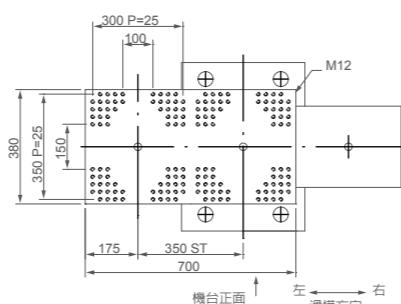
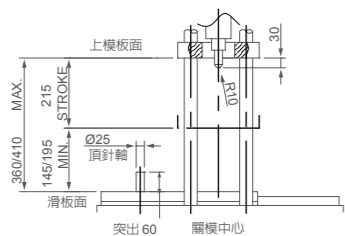
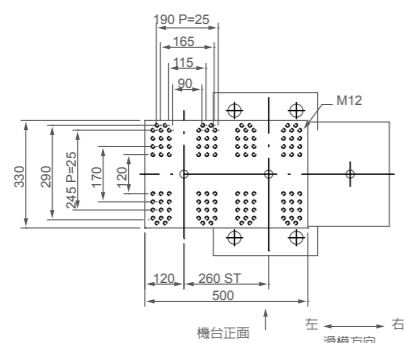
主要規格 Main Specification

型 號	MODEL		YH-15		YH-25		YH-40			YH-60			YH-90			YH-120			YH-160			YH-200			YH-250											
			V		V	1S	2S	V	1S	2S	V	1S	2S	V	1S	2S	V	1S	2S	V	1S	2S	V	1S	2S											
射 出 系 統	INJECTION UNIT																																			
螺 桿 直 徑	Screw Diameter	mm	20	26	26	32	28	32	36	32	36	40	34	38	42	38	44	50	42	50	46	55	55	65												
射 出 壓 力	Injection Pressure	kgf / cm ²	1714	1014	1988	1312	2008	1537	1215	1914	1512	1225	1931	1546	1265	2079	1550	1200	2000	1411	2034	1423	2082	1491												
理論射出容積	Injection Capacity	cm ³	25	42	55	84	83	108	137	124	157	194	149	187	228	204	273	353	276	392	365	522	593	829												
最大射出重量	Max. Injection Weight (P.S)	gr	22	38	50	75	74	97	123	112	141	175	134	168	205	183	246	317	249	353	328	470	534	746												
		oz	0.77	1.33	1.7	2.6	2.6	3.4	4.3	3.9	4.9	6.1	4.7	5.9	7.2	6.4	8.6	11.1	8.7	12.4	11.5	16.5	18.8	26.2												
射 出 率	Injection Rate	cm ³ / sec	30	52	35	52	47	61	78	56	71	88	70	89	108	81	109	141	109	154	128	193	169	236												
射 出 速 度	Injection Speed	mm / s	98		66		77			70			78			72			79			77			71											
螺桿回轉數	Screw Rotation Speed	r.m.p	0 ~ 150		0 ~ 155		0 ~ 165			0 ~ 160			0 ~ 160			0 ~ 150			0 ~ 150			0 ~ 150			0 ~ 150											
鎖 模 系 統	CLAMPING UNIT																																			
鎖 模 力	Clamping Force	tf	15		25		40			60			90			120			160			200			250											
鎖 模 行 程	Clamping Stroke	mm	200		215		215			250			250			300			300			350			400											
最 大 開 距	Max. Open Distance	mm	240		360 / 410		360 / 410			450 / 500			450 / 500			550 / 600			550 / 600			650 / 700			800 / 850											
最 小 模 厚	Min. Mould Height	mm	40		145 / 195		145 / 195			200 / 250			200 / 250			250 / 300			250 / 300			300 / 350			400 / 450											
柱 內 空 間	Dimension of inner Post (H x V)	mm	310 (二柱式)		350 x 150		400 x 200			450 x 250			510 x 310			580 x 340			650 x 380			750 x 400			850 x 450											
頂 出 力	Hydraulic Ejector Force	tf	0.7		1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.7	2.7	2.7	2.7	2.7	2.7	3.3	3.3	3.3	4.5	4.5	4.5	4.5	4.5	4.5									
頂 出 高 度 (模 面)	Ejector Stroke	mm	40		40	60	60	40	60	60	40	100	100	70	100	100	70	100	100	80	125	125	100	150	150	100	150	150								
滑 模 系 統	SLIPFORM UNIT																																			
滑 模 行 程	Slidable Journey	mm			240		260		320		350		370		400		480		550		520		580		580		630		630		680		730		780	
滑 模 尺 寸	Overall Size of Slipform (H x V)	mm			330 x 260		330 x 500		380 x 350		380 x 700		420 x 400		800 x 420		480 x 550		1100 x 480		540 x 570		1140 x 540		630 x 630		1260 x 630		730 x 680		1360 x 730		830 x 780		1560 x 830	
其 他	OTHER																																			
電 動 機	Drive Motor	kw(hp)	2.2 (3)		3.7(5)		3.7+2.2 (5+3)		5.5 (7.5)		5.5+2.2 (7.5+3)		7.5 (10)		7.5+2.2 (10+3)		11.2 (15)		11.2+2.2 (15+3)		14.9 (20)		14.9+2.2 (20+3)		18.7 (25)		18.7+2.2 (25+3)		22.4 (30)		22.4+2.2 (30+3)		29.8 (40)		29.8+2.2 (40+3)	
電 熱	Heater	kw	2		3.5		4.5			6			7.5			9			11			13			15											
油 箱 容 量	Oil Tank Capacity	L	100		140		200			220			250			300			350			400			450											
機 械 尺 寸	Dimension of Machine (L x W x H)	L (m)	1.2	1.5	1.9	1.4	1.6	1.8	1.5	1.7	2.0	1.7	1.9	2.2	2.0	2.0	2.4	2.1	2.3	2.7	2.4	2.5	3.0	2.7	2.7	3.3	3.0									
		W (m)	1.0	1.2	1.2	1.4	1.3	1.3	1.5	1.4	1.4	1.7	1.5	1.5	2.0	1.6	1.6	2.1	1.7	1.7	2.2	1.8	1.8	2.5	2.0	2.0	2.7									
		H (m)	2.6	2.9	3.0	3.0	3.2	3.3	3.3	3.5	3.6	3.6	3.7	3.8	3.8	4.0	4.2	4.2	4.5	4.7	4.7	5.0	5.4	5.4	5.3	5.6	5.6									
機 械 重 量	Weight of Machine	T	0.95		1.9	2.0	2.2	2.3	2.5	2.7	3.2	3.3	3.5	4.3	4.5	4.8	4.9	5.2	5.6	6.2	6.5	7.0	8.2	8.8	9.5	10.0	10.5	11.2								

*規格若修改，恕不另行通知。*螺桿及鎖模力可選擇使用。*Figures shown herein are subject to change without notice.*Screw and clamping force can be set as customer's request.

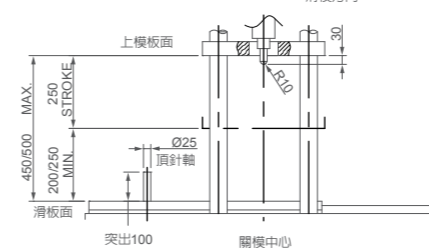
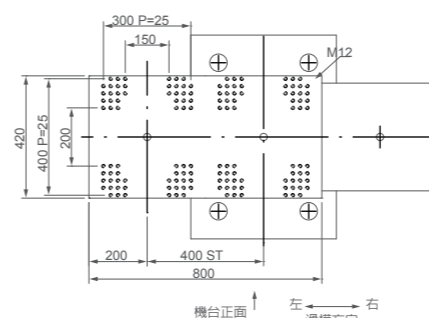
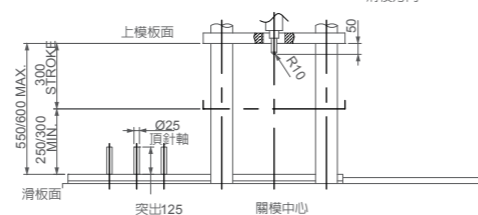
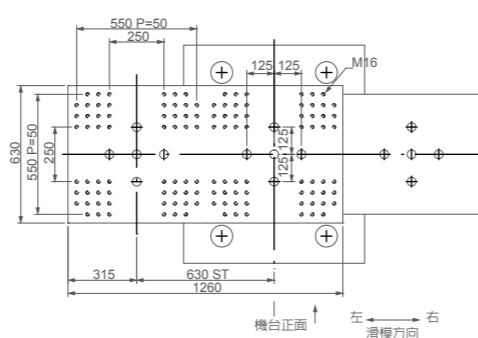
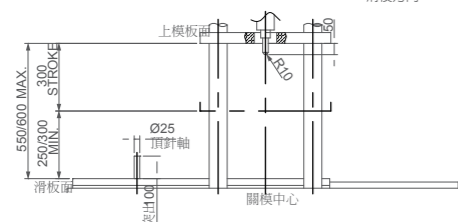
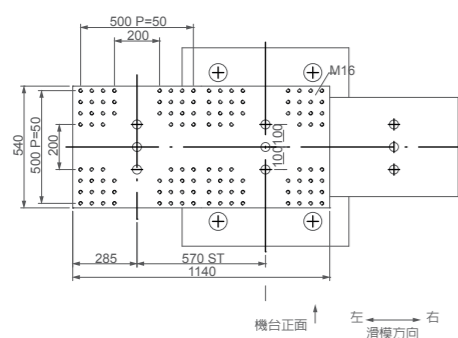
模板尺寸圖

Series Template Size

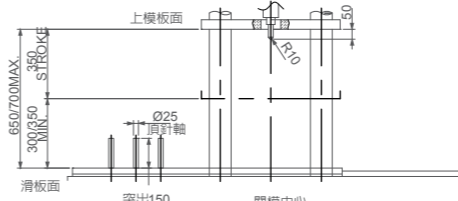
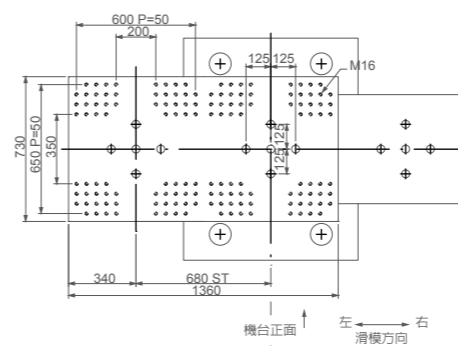


Technical drawing of a square plate with the following dimensions and features:

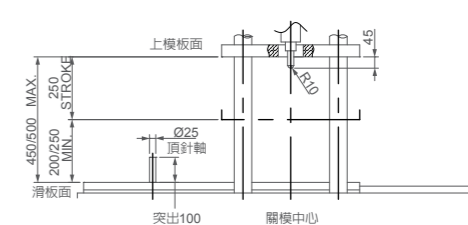
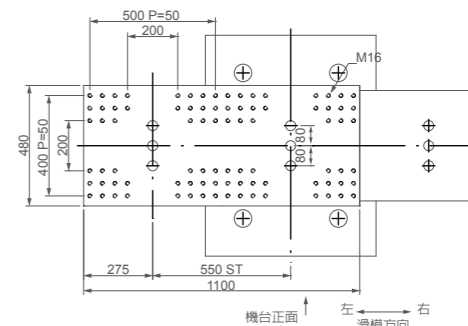
- Overall width: 580
- Overall height: 820
- Inner width dimension: 340
- Inner height dimension: 200
- Central hole diameter: $\varnothing 120^{+0.1}_0$
- Four corner holes: $4 \varnothing 20$
- Four circular features (possibly holes or bosses) are located at the corners of the inner square, each marked with a crosshair.



Technical drawing of a plate with dimensions and hole specifications. The plate has a total width of 700 and a total height of 1020. There are four circular holes, each with a diameter of $\varnothing 120^{+0.1}_0$. The holes are arranged in a 2x2 grid. The center-to-center distance between the holes is 400 horizontally and 750 vertically. The distance from the center of each hole to the nearest edge is 250 horizontally and 250 vertically. The holes are labeled with a '+' sign in the top-left and bottom-right corners, and a '-' sign in the top-right and bottom-left corners. The drawing also shows a central vertical line and a horizontal line passing through the center of the holes.

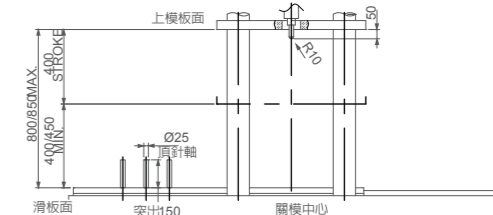
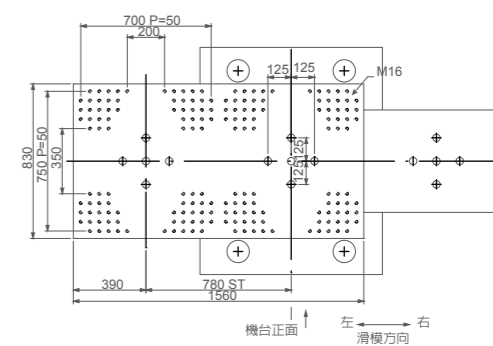


Technical drawing of a reinforced concrete slab cross-section. The slab is 550 mm wide and 750 mm high. It features a central vertical channel 200 mm wide. Reinforcement includes 4-Ø20 bars at the top and bottom, and Ø100Ø bars in the center. Dimensions for bar spacing and channel width are provided.



Technical drawing of a square plate with the following specifications:

- Overall dimensions: 800 mm (width) x 1150 mm (height).
- Internal dimensions: 450 mm (width of central area) x 850 mm (height of central area).
- Offset dimensions: 250 mm (horizontal offset from center to side holes) and 250 mm (vertical offset from center to top/bottom holes).
- Hole specifications: $\varnothing 120^{+0}_{-0.1}$ (hole diameter) and 4- $\varnothing 20$ (4 holes of diameter 20 mm).
- Four corner holes, each marked with a circled plus sign (+).
- Four small holes, each marked with a circled minus sign (-).



YR 系列
YR SERIES

多重嵌入射出機圓盤系列

YR Multiple Embedded Rotary Injection Molding Machine Series

功能特點

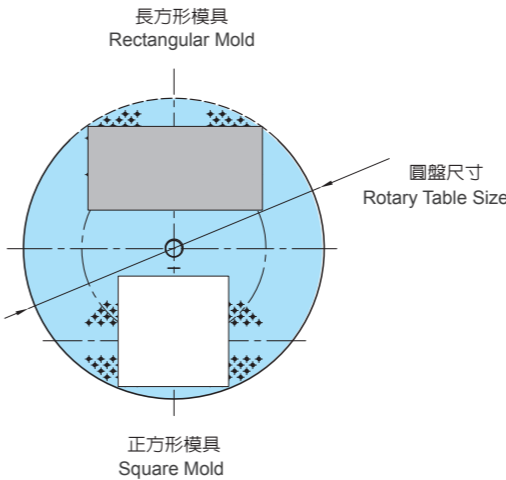
- 立式直立鎖模，直立射出
- 圓盤在同一水平面做180° 來回交替旋轉，可讓操作者在固定操作面做取件與放嵌件，工作方便生產效率高。
- 圓盤面的定位，以固定鎖鎖住，可確保圓盤旋轉停止後，能有高精度的定位，讓成型上下模具更準確合模。
- 可加裝自動嵌入與取出等自動化裝置，達成全機全自動化的運轉
- 標準圓盤為2站，有特殊需求可另選3站或4站，達到更方便得操作，及與自動化連線規劃，增加產能。
- 標準圓盤為立式三柱直壓鎖模，有特殊模具需求，也可為立式四柱直壓鎖模。

Features

- Vertical clamping with vertical injection.
- Rotary table oscillate 180 ° , rotate back / forth for easy loading and finished parts pick out, to increase productivity
- Rotary table with location pin, accurate positioning for mold alignment and automation.
- Robot interface capability for complete automation.
- Standardized with 2-station function, and capable for 3-station or 4-station function & automation linkup for advanced efficiency.
- Standardized with 3-columns clamp, and available for 4-columns clamping upon request.

圓盤模具

Rotary Table Mold



主要規格 Main Specification

型 號	MODEL		YR-25-3R		YR-40-3R			YR-60-3R			YR-90-3R			YR-120-3R			YR-160-3R		YR-200-3R		YR-250-3R	
射 出 系 統	INJECTION UNIT																					
螺 桿 直 徑	Screw Diameter	mm	26	32	28	32	36	32	36	40	34	38	42	38	44	50	42	50	46	55	55	65
射 出 壓 力	Injection Pressure	kgf / cm ²	1988	1312	2008	1537	1215	1914	1512	1225	1931	1546	1265	2079	1550	1200	2000	1411	2034	1423	2082	1491
理論射出容積	Injection Capacity	cm ³	55	84	83	108	137	124	157	194	149	187	228	204	273	353	276	392	365	522	593	829
最大射出重量	Max. Injection Weight (P.S)	gr	50	75	74	97	123	112	141	175	134	168	205	183	246	317	249	353	328	470	534	746
		oz	1.7	2.6	2.6	3.4	4.3	3.9	4.9	6.1	4.7	5.9	7.2	6.4	8.6	11.1	8.7	12.4	11.5	16.5	18.8	26.2
射 出 率	Injection Rate	cm ³ / sec	35	52	47	61	78	56	71	88	70	89	108	81	109	141	109	154	128	193	169	236
射 出 速 度	Injection Speed	mm / s	66		77			70			78			72			79		77		71	
螺 桿 回 轉 數	Screw Rotation Speed	r.p.m	0 ~ 155		0 ~ 170			0 ~ 160			0 ~ 160			0 ~ 150			0 ~ 150		0 ~ 150		0 ~ 150	
鎖 模 系 統	CLAMPING UNIT																					
鎖 模 力	Clamping Force	tf	25		40			60			90			120			160		200		250	
鎖 模 行 程	Clamping Stroke	mm	215		215			250			250			300			300		350		400	
最 大 開 距	Max. Open Distance	mm	360 / 410		360 / 410			450 / 500			450 / 500			550 / 600			550 / 600		650 / 700		800 / 850	
最 小 模 厚	Min. Mould Height	mm	145 / 195		145 / 195			200 / 250			200 / 250			250 / 300			250 / 300		300 / 350		400 / 450	
頂 出 力	Hydraulic Ejector Force	tf	1.7		1.7			1.7			2.7			2.7			3.5		4.5		4.5	
頂 出 高 度 (模 面)	Ejector Stroke	mm	60		60			100			100			100			125		150		150	
轉 盤 系 統	ROTARY UNIT																					
轉 盤 直 徑	Table Diameter	mm	Φ 520		Φ 750			Φ 856			Φ 980			Φ 1172			Φ 1350		Φ 1550		Φ 1750	
模 具 尺 寸	The MAX. Mold Size Square Mold 正方	mm	150 x 150		220 x 220			260 x 260			300 x 300			400 x 400			450 x 450		500 x 500		550 x 550	
	Rectangular Mold 長方	mm	150 x 200		170 x 300			200 x 350			250 x 450			300 x 500			400 x 550		450 x 600		500 x 650	
其 他	OTHER																					
電 動 機	Drive Motor	kw(hp)	3.7+2.2 (5+3)		5.5+2.2(7.5+3)			7.5+2.2 (10+3)			11.2+2.2 (15+3)			14.9+2.2 (20+3)			18.7+2.2 (25+3)		22.4+2.2 (30+3)		29.8+2.2(40+3)	
電 熱	Heater	kw	3.5		4.5			6			7.5			9			11		13		15	
油 箱 容 量	Oil Tank Capacity	L	200		225			250			300			350			400		450		500	
機 械 尺 寸	Dimension of Machine (L x W x H)	L (m)	1.8		2.0			2.2			2.4			2.7			3		3.2		3.6	
		W (m)	1.3		1.5			1.6			1.7			1.7			1.9		2.1		2.3	
		H (m)	3.0		3.5			3.9			4.0			4.3			4.8		5.3		5.7	
機 械 重 量	Weight of Machine	T	2.2		3.0			4.0			4.9			6.0			8.0		11.5		14	

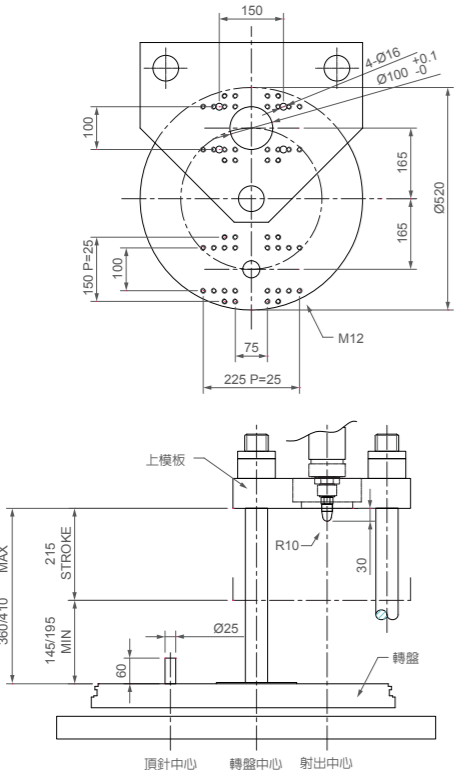
* 規格若修改，恕不另行通知。* 螺桿及鎖模力可選擇使用。*Figures shown herein are subject to change without notice.*Screw and clamping force can be set as customer's request.

YR 系列 YR SERIES

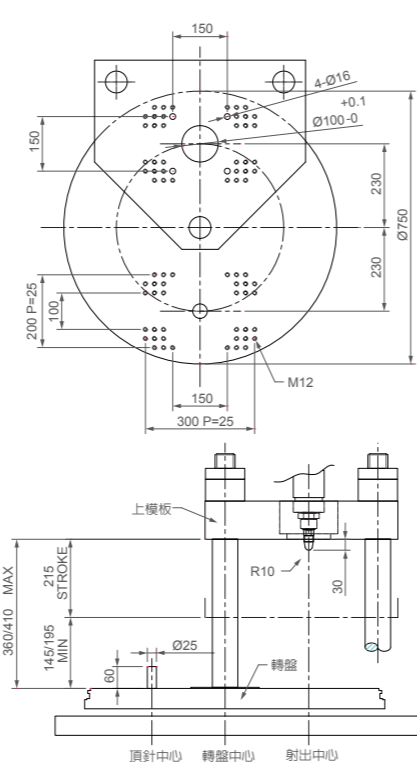
模板尺寸圖

Series Template Size

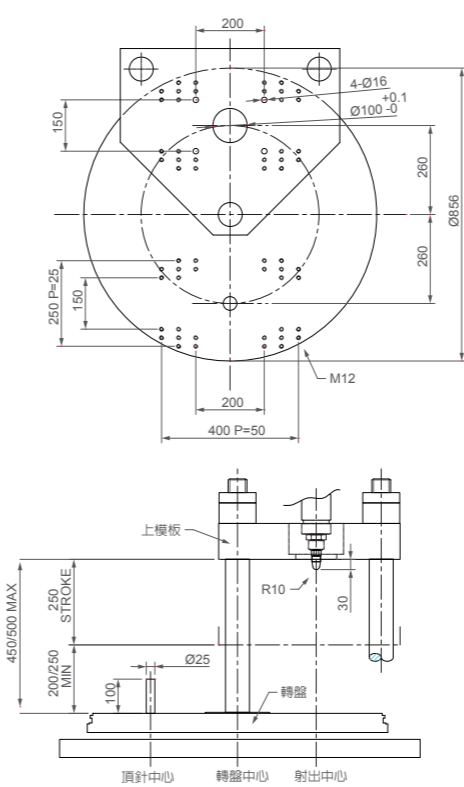
YR-25-3R2



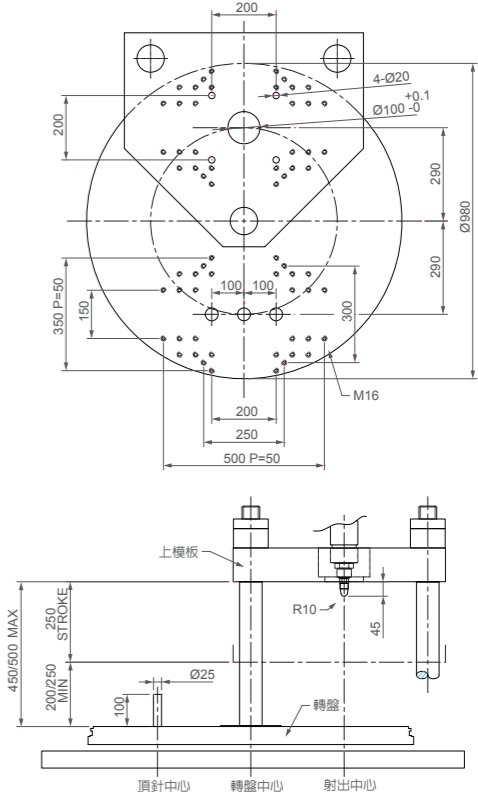
YR-40-3R2



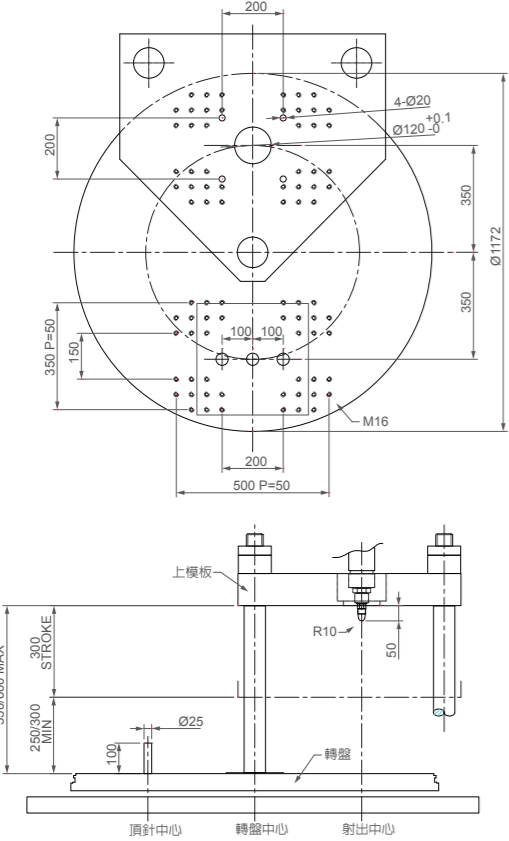
YR-60-3R2



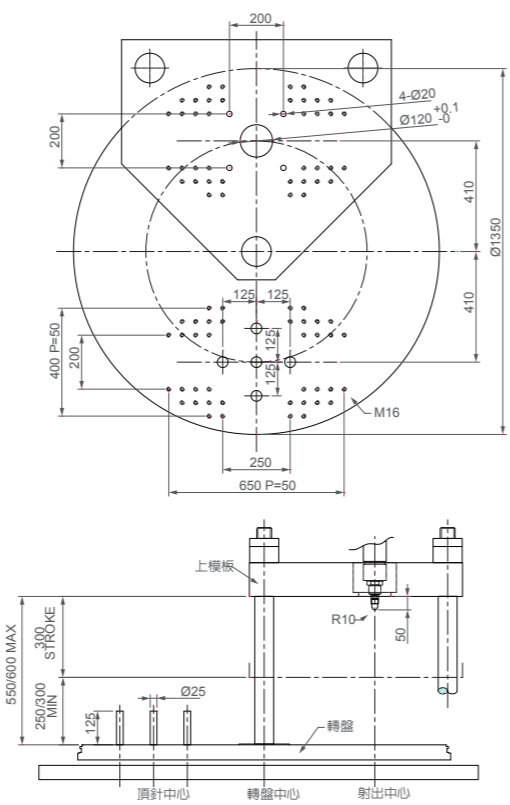
YR-90-3R2



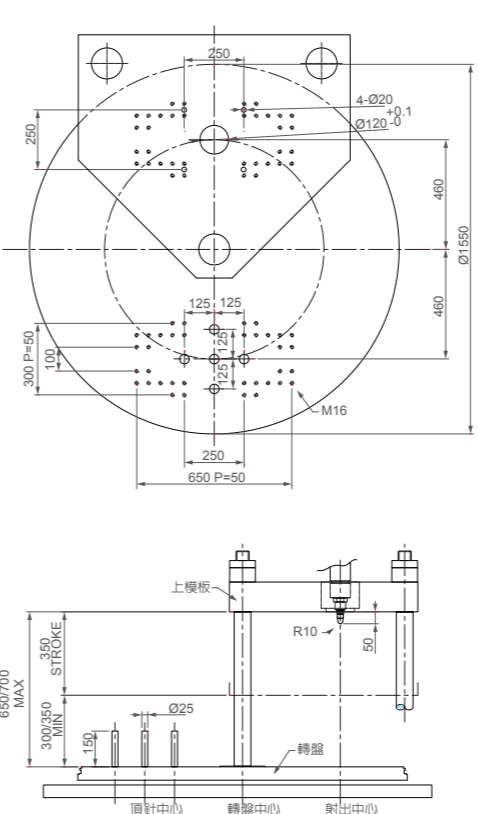
YR-120-3R2



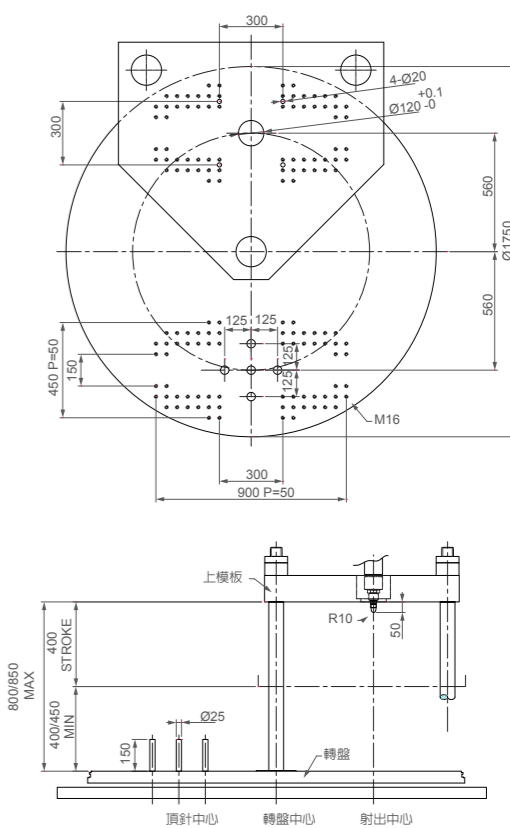
YR-160-3R2



YR-200-3R2



YR-250-3R2



YC 系列 YC SERIES

無柱立式關模臥式射出系列

YC Vertical Clamping Horizontal Injection Tie-barless Series

功能特點

- 立式關模，無機柱的機體方式，配合臥式射出，機械結構性強，射出有力，適合較大型嵌合件成型加工。
- 三面空間的開放，使鑲嵌件及成品取放，對特殊長條狀或帶有導線的產品，更加容易作業，更可配合自動連線規劃。
- 操作面的高度，符合人體工學，且整體機器高度低，讓作業環境有更多額外利用空間。
- 多樣化的油路設計，可配合客戶的選擇要求。

Features

- Vertical clamping, without machine column design, the mechanical constitutive property is strong, Injection powerfully, suit large-scale embedment to take shape the processing.
- Three-sides open space, easier operation for embedded parts and finished products, and able to combine automation connecting planning.
- The height of operating surface is ergonomic, and the height of the machine is low. The operating environment can have more additional space to use.
- Variety of logic design complies with the customer's requirement.

主要規格 Main Specification

注：C—無柱立式關模，臥式射出系列

型 號	MODEL		YC-40			YC-60			YC-90			YC-120		
			V	2S	R	V	2S	R	V	2S	R	V	2S	R
射 出 系 統	INJECTION UNIT													
螺 桿 直 徑	Screw Diameter	mm	28	36		32	40		34	42		38	50	
射 出 壓 力	Injection Pressure	kgf / cm ²	2008	1215		1914	1225		1931	1265		2079	1200	
理論射出容積	Injection Capacity	cm ³	83	137		124	194		149	228		204	353	
最大射出重量	Max. Injection Weight (P.S)	gr	74	123		112	175		134	205		183	319	
		oz	2.6	4.3		3.9	6.1		4.7	7.2		6.4	11.1	
射 出 率	Injection Rate	cm ³ / sec	47	78		56	92		67	108		81	141	
螺 桿 回 轉 數	Screw Rotation Speed	r.m.p.	0 ~ 170			0 ~ 160			0 ~ 160			0 ~ 150		
鎖 模 系 統	CLAMPING UNIT													
鎖 模 力	Clamping Force	tf	40			60			90			120		
鎖 模 行 程	Clamping Stroke	mm	215			250			250			300		
最 大 開 距	Max. Open Distance	mm	395			450			500			550		
最 小 模 厚	Min. Mould Height	mm	180			200			250			250		
模 板 尺 寸	Mold Space	mm	420 x 240			480 x 280			580 x 380			650 x 420		
頂 出 力	Hydraulic Ejector Force	tf	1.7			1.7			2.7			2.7		
頂 出 高 度 (模 面)	Ejector Stroke	mm	突出 40			突出 40			突出 40			突出 40		
射嘴中心高度	Height of Nozzle Center	mm	140±25			140±25			150±25			150±25		
模 中 心 至 射 嘴 距	From the comer to state Radio Tsui	mm	min75			min75			min125			min125		
滑 模 系 統	SLIPFORM UNIT													
滑 模 行 程	slidable joumey	mm	450			500			600			650		
滑 板 尺 寸	overall size slipform	mm	870 x 240			980 x 280			1180 x 380			1290 x 420		
圓 盤 系 統	TABLE UNIT													
圓 盤 尺 寸	Table diameter	mm			Φ750			Φ856			Φ980			Φ1172
其 他	OTHER													
電 動 機	Drive Motor	kw(hp)	5.5(7.5)	5.5+2.2(7.5+3)			7.5(10)	7.5+2.2(10+3)			11.1(15)	11.1+2.2(15+3)		
電 熱	Heater	kw	4.5			6			7.5			9.5		
油 箱 容 量	Oil Tank Capacity	L	200			220			250			300		
機 械 尺 寸	Dimension of Machine (L x W x H)	L (m)	2.5	2.6	3.0	2.7	2.8	3.3	2.9	3.0	3.7	3.0	3.1	4.2
		W (m)	1.3	1.4	1.4	1.3	1.4	1.4	1.5	1.6	1.6	1.6	1.7	1.7
		H (m)	2.5	2.6	2.7	2.6	2.7	2.8	2.7	2.8	2.9	3.0	3.0	3.1
機 械 重 量	Weight of Machine	T	3.5	4.0	4.5	4.1	4.6	5.0	5.5	6.0	6.5	7.0	7.8	8.6

*規格若修改，恕不另行通知。*螺桿及鎖模力可選擇使用。*Figures shown herein are subject to change without notice.*Screw and clamping force can be set as customer's request.

模板尺寸圖

Series Template Size

C—臥式射出

可調整的射嘴水平高度，易于模具的中心校準，安裝模具迅速方便。
A.可選擇加裝雙滑模（交替式滑模）——模注塑成形，一模取件與放嵌件的工作，作業安全性高，又可提高工作效率。
B.可選擇加裝圓盤

C—Horizontal Injection

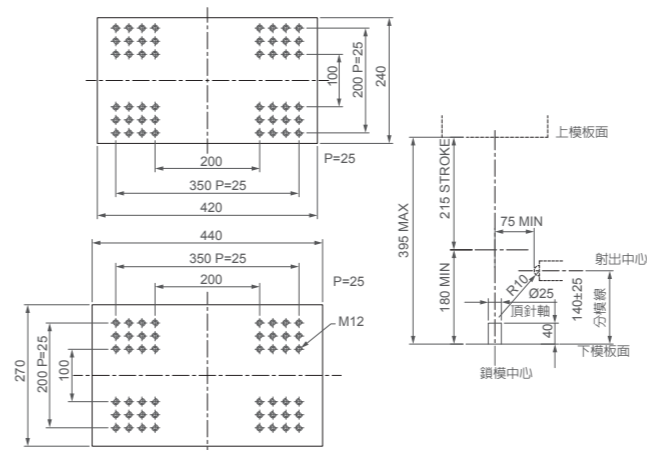
The adjustable horizontal height of nozzle is easy for center calibration of mold, mold installation is quick and easy.

A. Able to equip the double sliding (Alternating double sliding): One mold for injection molding, another mold for taking out and putting on embedded parts operation. With high operational safety and high production efficiency.

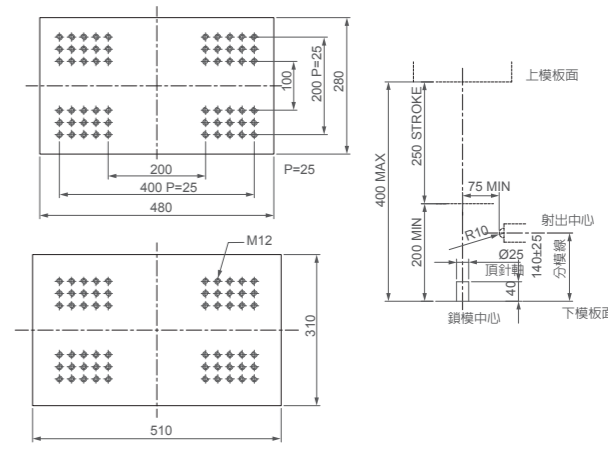
B. Installation of disc is optional;



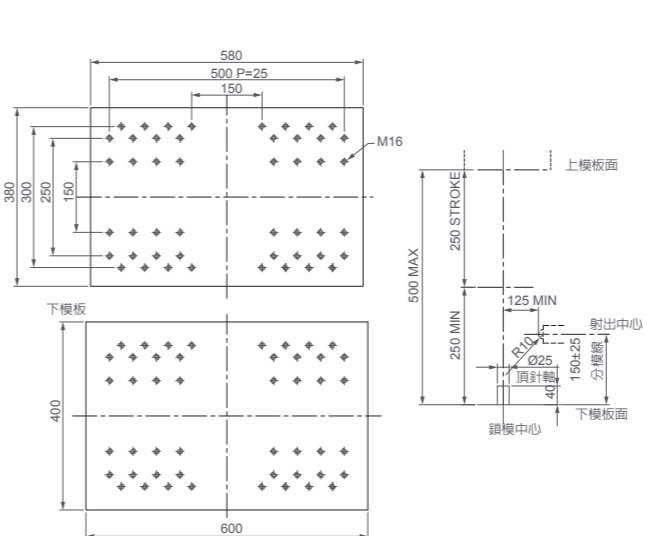
YC-40-V



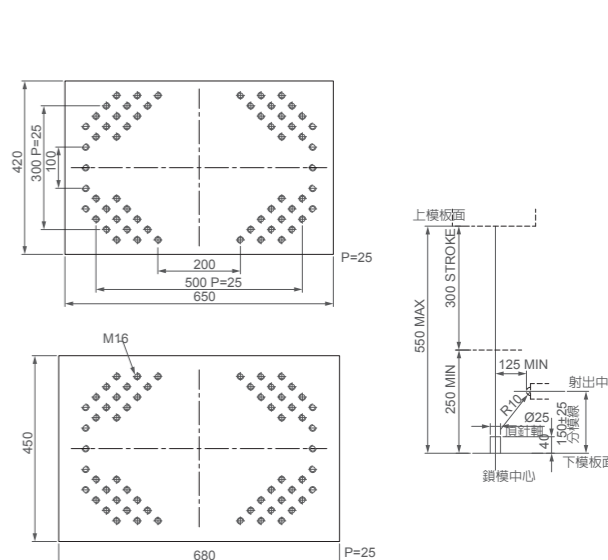
YC-60-V



YC-90-V



YC-120-V



YQ 系列
YQ SERIES

高速精密立式射出成型機

YQ High Speed Precision Vertical Injection Molding Machine

功能特點

- 立式四柱直立鎖模，直立射出
- 採正方形柱內設計，容模尺寸特大，且柱內空間讓客戶更容易加裝自動嵌入與取出成品等自動化裝置，而達成全機全自動。
- 螺桿L/D直徑比值大，塑化均一，適用工程塑料的射出成型。
- 高規格的電腦控制系統，配合高精密的射出壓力與高應答的射出速度，對高精密的嵌入射出成型品，其品質更加穩定。
- 1S單滑模：在開模後，下模自動滑移到操作者正前方方便於鑲嵌件成型作業
- 2S雙滑模（交替式雙滑模）：一模在注塑成形，一模在外做取件與放鑲嵌件的成型作業。
- 2SL雙滑模(90° 交替式雙滑模)：只需一位操作者即可獨立作業，一模在注塑成型，一模在外做取料與放鑲嵌件，且兩個滑模呈90° 方位交替，降低生產成本，效能更高。

Features

- Vertical four-pillar vertical clamping, with vertical injection.
- The square pillar design comes with large mold size. The space within the column allows customers to install devices of automatic embedding and removing products. This allows automation for the whole machinery.
- Big L / D ratio of screw, plasticizing evenly, suitable for injection molding of engineering plastics.
- High standard computer control system with high precision injection pressure and high response injection speed. The quality is more stable for high-precision embedded injection molding products.
- 1S single sliding: After mold opening, the lower mold will auto-

- atically slip in front of the operator for facilitating embedded molding operation.
- 2S double sliding (Alternating double sliding): One mold for injection molding, another mold for taking out and putting on embedded parts operation.
- 2SL double sliding (90° Alternating double sliding): One operator can operate independently. One mold for injection molding, another mold for material taking and putting on embedded parts. The two slidings are intersecting at 90 degrees, which can lower the production cost, and enhance the performance.
- Able to combine automation and the high-speed injection can effectively enhance the production capacity.
- A variety of circuit design (half closed servo hydraulic or high-speed injection) to meet the customer' s requirements.

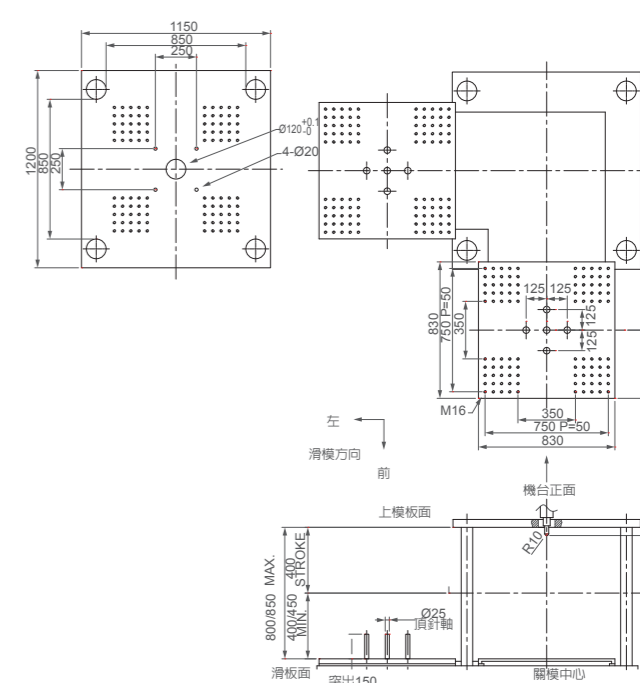
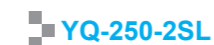
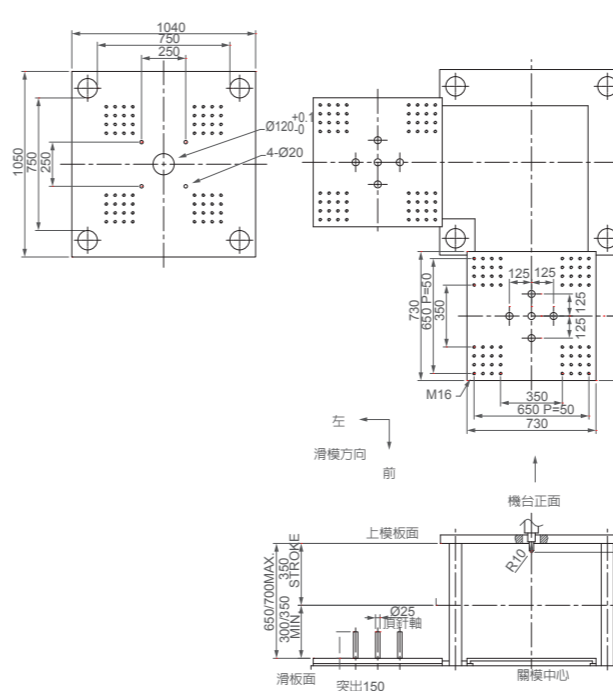
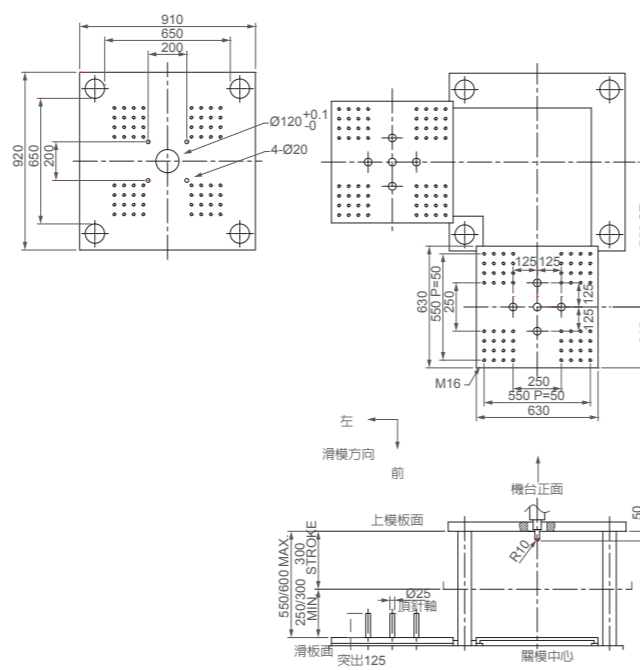
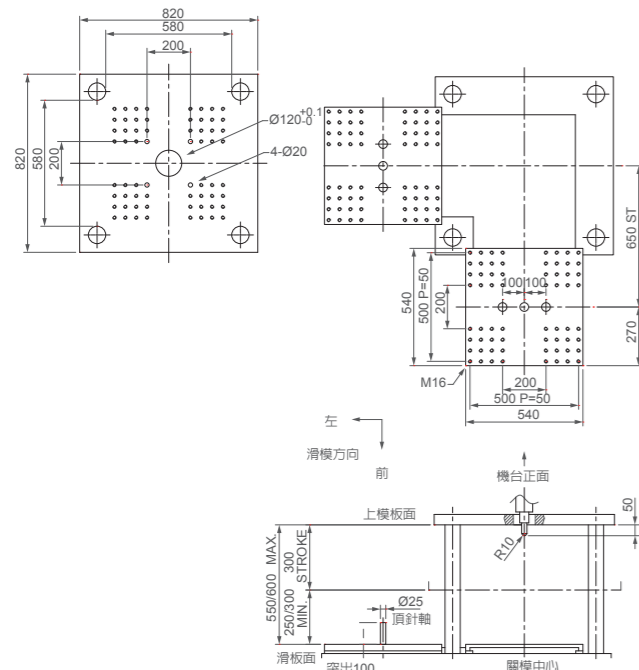
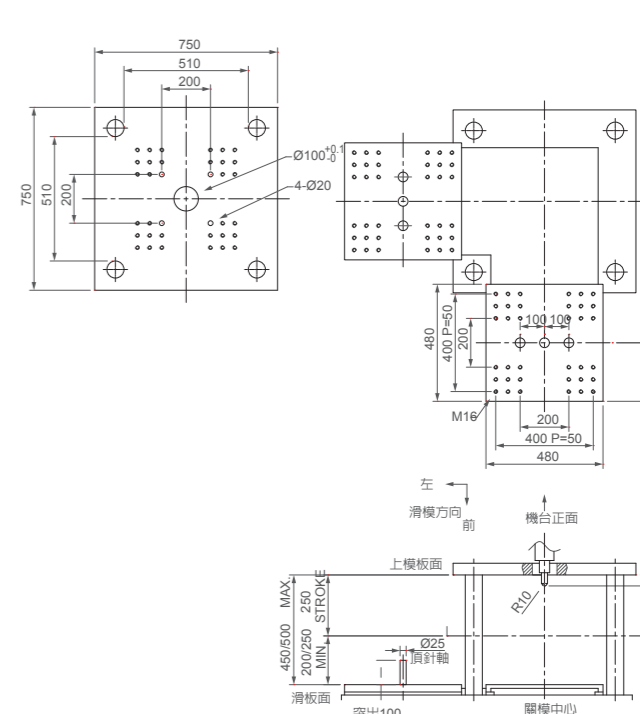
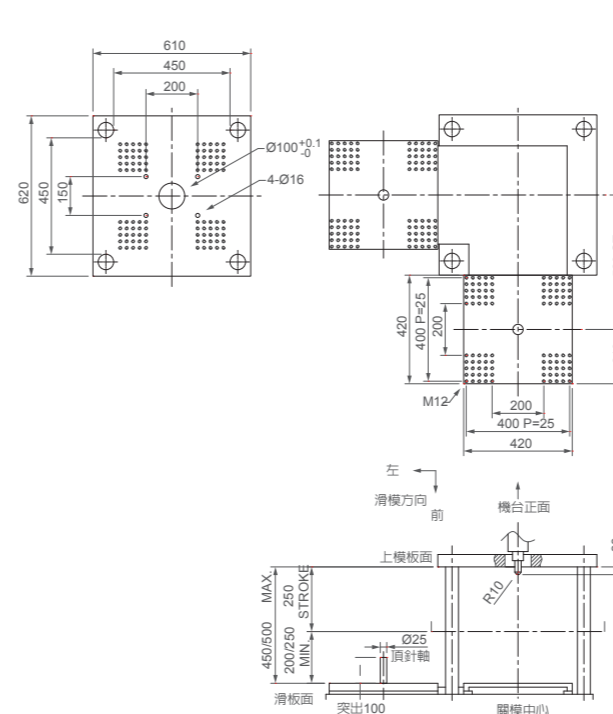
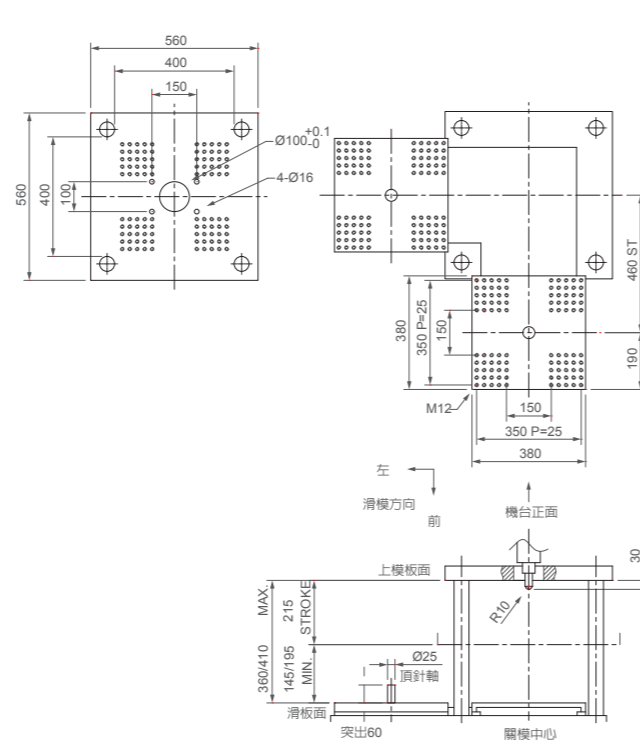
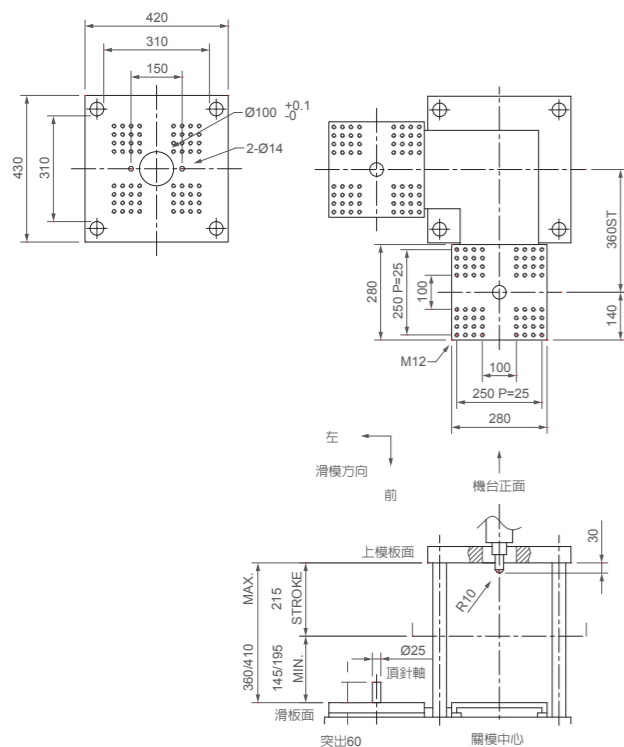
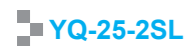
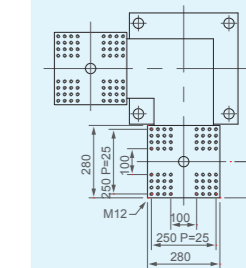
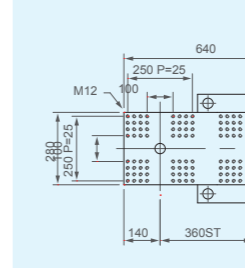
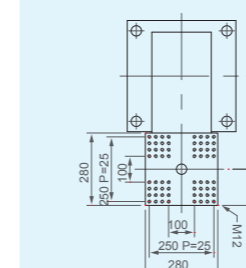
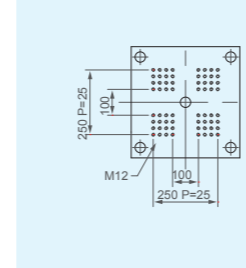
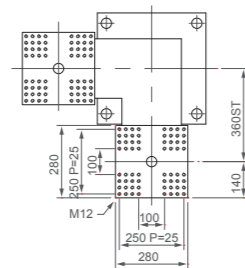


主要規格 Main Specification

型 號	MODEL	YQ-25				YQ-40				YQ-60				YQ-90				YQ-120				YQ-160				YQ-200				
		V	1S	2S	2SL	V	1S	2S	2SL	V	1S	2S	2SL	V	1S	2S	2SL	V	1S	2S	2SL	V	1S	2S	2SL	V	1S	2S	2SL	
射 出 系 統	INJECTION UNIT																													
螺 桿 直 徑	Screw Diameter	mm	26		30		28		32		32		36		34		38		38		44		42		48		46		50	
射 出 壓 力	Injection Pressure	kgf / cm ²	1988		1493		2008		1537		1914		1512		1931		1546		2079		1550		2000		1531		2034		1721	
理論射出容積	Injection Capacity	cm ³	55		74		83		108		124		159		149		187		204		273		276		361		365		431	
最大射出重量	Max. Injection Weight (P.S)	gr	50		66		74		97		112		141		134		168		183		246		249		325		328		388	
		oz	1.7		2.3		2.6		3.4		3.9		4.9		4.7		5.9		6.4		8.6		8.7		11.4		11.5		13.6	
射 出 率	Injection Rate	cm ³ / sec	55		74		68		89		88		112		106		133		127		170		162		212		134		158	
射 出 速 度	Injection Speed	mm / s	105				110				110				117				113				118				92			
螺桿回轉數	Screw Rotation Speed	r.m.p.	0~190				0~200				0~200				0~200				0~200				0~200				0~200			
鎖 模 系 統	CLAMPING UNIT																													
鎖 模 力	Clamping Force	tf	25				40				60				90				120				160				200			
鎖 模 行 程	Clamping Stroke	mm	215				215				250				250				300				300				350			
最 大 開 距	Max. Open Distance	mm	360 / 410				360 / 410				450 / 500				450 / 500				550 / 600				550 / 600				650 / 700			
最 小 模 厚	Min. Mould Height	mm	145 / 195				145 / 195				200 / 250				200 / 250				250 / 300				250 / 300				300 / 350			
柱 內 空 間	Dimension of inner Post(H×V)	mm	310 x 310				400 x 400				450 x 450				510 x 510				580 x 580				650 x 650				750 x 750			
頂 出 力	Hydraulic Ejector Force	tf	1.7				1.7				1.7				2.7				2.7				3.5				4.5			
頂 出 高 度 (模 面)	Ejector Stroke	mm	60				60				100				100				100				125				150			
滑 模 系 統	SLIPFORM UNIT																													
滑 模 行 程	Slidable Journey	mm		360				460				520				580				650				750				870		
滑 模 尺 寸	Overall Size of Slipform (H×V)	mm		280 x 280	640 x 280	280 x 280		380 x 380	840 x 380	380 x 380		420 x 420	940 x 420	420 x 420		480 x 480	1060 x 480	480 x 480		540 x 540	1190 x 540	540 x 540		630 x 630	1380 x 630	630 x 630		730 x 730	1600 x 730	730 x 730
其 他	OTHER																													
電 動 機	Drive Motor	kw(hp)	7.5(10)		7.5+2.2 (10+3)		11.2(15)		11.2+2.2 (15+3)		14.9 (20)		14.9+2.2 (20+3)		18.7 (25)		18.7+2.2 (25+3)		22.4 (30)		22.4+2.2 (30+3)		29.8(40)		29.8+2.2 (40+3)		37.4 (50)		37.4+2.2 (50+3)	
電 熱	Heater	kw	3.5				4.5				6				7.5				9				11				13			
油 箱 容 量	Oil Tank Capacity	L	220				250				300				350				400				450				500			
機 械 尺 寸	Dimension of Machine (L x W x H)	L (m)	1.5	1.8	1.6	1.9	1.7	2.1	1.8	2.2	2.0	2.3	1.9	2.4	2.1	2.5	2.0	2.6	2.2	2.7	2.1	2.8	2.3	3.0	2.3	3.1	2.5	3.3	2.5	3.4
		W (m)	1.2	1.2	1.4	1.3	1.3	1.3	1.6	1.5	1.4	1.4	1.9	1.8	1.5	1.5	2.0	1.9	1.6	1.6	2.2	2.1	1.8	1.8	2.5	2.4	1.9	1.9	2.8	2.4
		H (m)	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	4.0	4.2	4.2	4.3	4.5	4.7	4.7	4.8	5.0	5.4	5.4	5.5
機 械 重 量	Weight of Machine	T	2.2	2.3	2.5	2.4	2.5	2.6	2.9	2.8	3.4	3.5	3.8	3.7	4.5	4.7	5.0	4.9	5.1	5.3	5.8	5.7	6.4	6.7	7.2	7.1	8.5	8.9	9.7	9.6

* 規格若修改，恕不另行通知。* 螺桿及鎖模力可選擇使用。* Figures shown herein are subject to change without notice. *Screw and clamping force can be set as customer's request.

YQ-25 範例



YT 系列

YT SERIES

www.yuhdak.com.tw

YT 立式關模臥式射出四柱系列

YT Vertical Clamping Horizontal Injection Four Columns Series

功能特點

- 固定模(V)及雙滑模(2S),採立式四柱直壓鎖模,臥式(水平)射出。正方柱內間距機械結構性強固,可適更大鎖模力達500~800TON
- 標準圓盤為立式三柱直壓鎖模,臥式(水平射出) 為兩站設計
- 有特殊需求,也可為四柱直壓鎖模,圓盤模站數3~4站
- 可以調整的射嘴水平高度,易於模具進料口的中心水平校正,讓模具的設計製作更方便。
- 射出平穩有力,適合較大型嵌合件的成型加工,並配合特殊L/D長徑比的射出螺桿,更適用工程塑料。
- 可擴充電腦程序與自動化的取出,嵌入設備等連線,可達全機全自動運轉。
- 一雙滑模(2S)——(交替式雙滑模),一模在注塑成型,一模在做取件與放嵌件的工作,作業安全性高,又可增加生產效能。
- 一圓盤(R)——在同一水平面做180° 來回交替旋轉。可讓操作者在固定操作面取料與放嵌件,工作方便。

Features

- Fixed mold (V) and the two sliding mold (2S) adopts four-column vertical pressure clamping for horizontal injection. Strong mechanical structure allows greater endurance for clamping force up to 500 ~ 800TON.
- Standard disc is vertical three-column vertical pressure clamping. The two station design is for horizontal injection.
- With special needs, 4-columns vertical pressure clamping is available with the disc mold stations at 3 to 4.
- The nozzle can be adjusted in height level, easily for center level correction of mold feed inlet to make mold design more convenient.
- Injection is smooth and powerful, suitable for forming larger fitting

- pieces. With a special L / D aspect ratio of the injection screw, it is more suitable for engineering plastics.
- Scalable computer programs, automatically removing, embedded devices, and other connections allow fully automatic operation of the whole machine.
 - —Two sliding molds (2S) — (alternating dual sliding molds): One mold is in injection molding and the other is outside for removing and placing mosaic pieces. Operation safety and production efficiency is high.
 - —Round disc (R) — alternatively rotating back and forth at 180 ° horizontally to allow users to operate in a fixed plane for retrieval and inserting pieces. This makes the work more convenient



主要規格 Main Specification

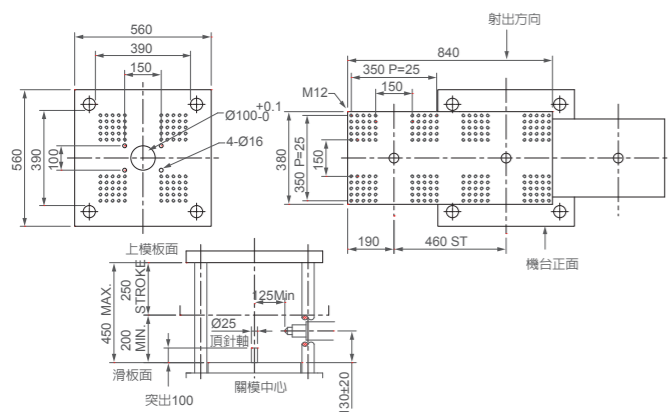
型 號	MODEL	YT-60			YT-90			YT-120			YT-160			YT-200			YT-250			YT-350			
		V	2S	3R	V	2S	3R	V	2S	3R	V	2S	3R	V	2S	3R	V	2S	3R	V	2S	3R	
射 出 系 統	INJECTION UNIT																						
螺 桿 直 徑	Screw Diameter	mm	32	40	34	42		38	50		42	55		46	60		55	65		60	70		
射 出 壓 力	Injection Pressure	kgf / cm²	1914	1225	1931	1256		2079	1200		2000	1161		2034	1195		2082	1491		1749	1285		
理 論 射 出 容 積	Injection Capacity	cm³	124	194	149	228		204	353		276	474		365	621		593	829		706	961		
最大 射 出 重 量	Max. Injection Weight	gr	112	175	134	205		183	317		249	427		328	559		534	742		630	860		
		oz	3.9	6.1	4.7	7.2		6.4	11.1		8.7	15		11.5	19.7		18.8	26.2		22.1	30.2		
射 出 率	Injection Rate	cm³ / sec	56	88	70	108		81	141		109	187		128	217		169	236		227	310		
螺 桿 回 轉 數	Screw Rotation Speed	r.p.m	0 ~ 160			0 ~ 160			0 ~ 150			0 ~ 150			0 ~ 150			0 ~ 150			0 ~ 150		
鎖 模 系 統	CLAMPING UNIT																						
鎖 模 力	Clamping Force	tf	60			90			120			160			200			250			350		
鎖 模 行 程	Clamping Stroke	mm	250			250			300			300			350			400			450		
最 大 開 距	Max. Open Distance	mm	450			450			550			550			650			700			850		
最 小 模 厚	Min. Mould Height	mm	200			200			250			250			300			300			400		
柱 內 空 間	Dimension of Inner Post (H × V)	mm	390 x 390			440 x 440			490 x 490			580 x 580			640 x 640			740 x 740			840 x 840		
頂 出 力	Hydraulic Ejector Force	tr	1.7			2.7			3.5			4.3			4.3			5.3			7.0		
頂出高度（模面）	Ejector Stroke	mm	100	100	100	100	100	100	125	125	125	125	125	125	125	125	150	150	150	150	150	150	
射 嘴 中 心 高 度	Nozzle Center Height	mm	min110 / max150			min110 / max150			min125 / max175			min125 / max175			min150 / max200			min150 / max200			min150 / max250		
模中心至射嘴距	From The Mold Center to The Nozzle	mm	min125			min125			min125			min150			min200			min200			min250		
滑 模 系 統 (2S)	SLIPFORM (2S)																						
滑 模 行 程	Slidable Journey	mm		460			520			580			650			750			870			970	
滑 模 尺 寸	Overall Size of Slipform (H × V)	mm		840 x 380			940 x 420			1060 x 480			1190 x 540			1380 x 630			1600 x 730			1800 x 830	
圓 盤 系 統 (VR)	ROTARY UNIT (VR)																						
圓 盤 直 徑	Rotary Table Diameter	mm			Φ 856			Φ 980			Φ 1172			Φ 1350			Φ 1550			Φ 1750		Φ 1750	
其 他	GENERAL																						
電 動 機	Drive Motor	kw (hp)	7.5 (10)	7.5+2.2 (10+3)		11.2 (15)	11.2+2.2 (15+3)		14.9 (20)	14.9+2.2(20+3)		18.7 (25)	18.7+2.2 (25+3)		22.4(30)	22.4+2.2(30+3)		29.8(40)	29.8+2.2(40+3)		39.3(50)	39.3+2.2(50+3)	
電 熱	Heater	kw	6			7.5			9.0			11.5			13.5			16			19		
油 箱 容 量	Oil Tank Capacity	L	250			300			350			400			450			500			600		
機 械 尺 寸	Dimension of Machine (L × W × H)	L (m)	3.2	3.2	3.5	3.7	3.7	4.1	4.1	4.1	4.5	4.5	4.5	4.9	4.9	4.9	5.3	5.3	5.5	5.8	5.3	5.5	5.8
		W (m)	1.1	1.6	1.2	1.2	1.9	1.3	1.3	2.1	1.5	1.4	2.3	1.7	1.5	2.6	1.9	1.7	2.8	2.3	1.7	2.8	2.3
		H (m)	3.0	3.2	3.3	3.1	3.3	3.4	3.3	3.5	3.6	3.5	3.7	3.8	3.7	3.9	4.0	4.1	4.2	4.3	4.1	4.2	4.3
機 械 重 量	Weight of Machine	t	4.9	6.0	7.5	7.0	8.0	9.5	8.5	10	12	10	11.5	13.0	12	14	16	16	17	19	17	19	21

YT 系列 YT SERIES

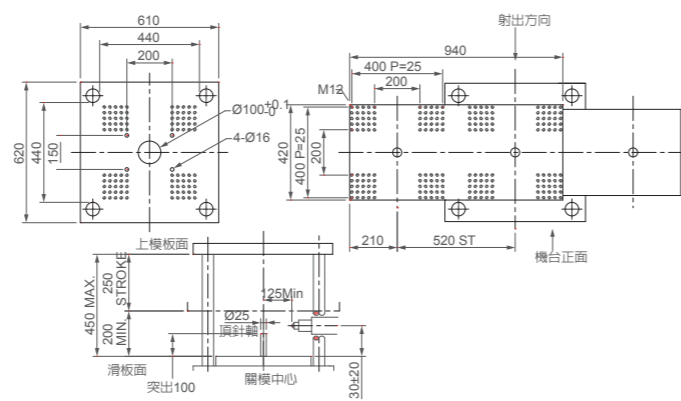
模板尺寸圖

Series Template Size

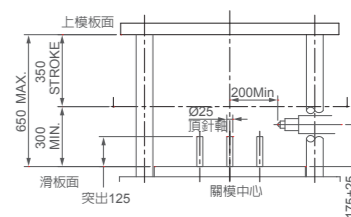
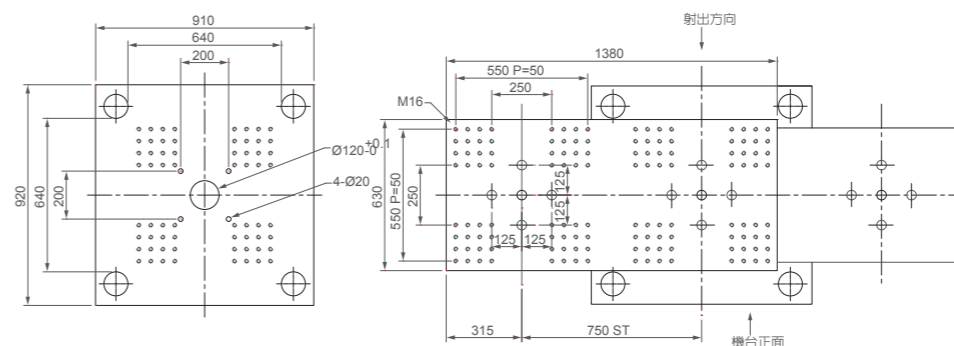
YT-60-2S



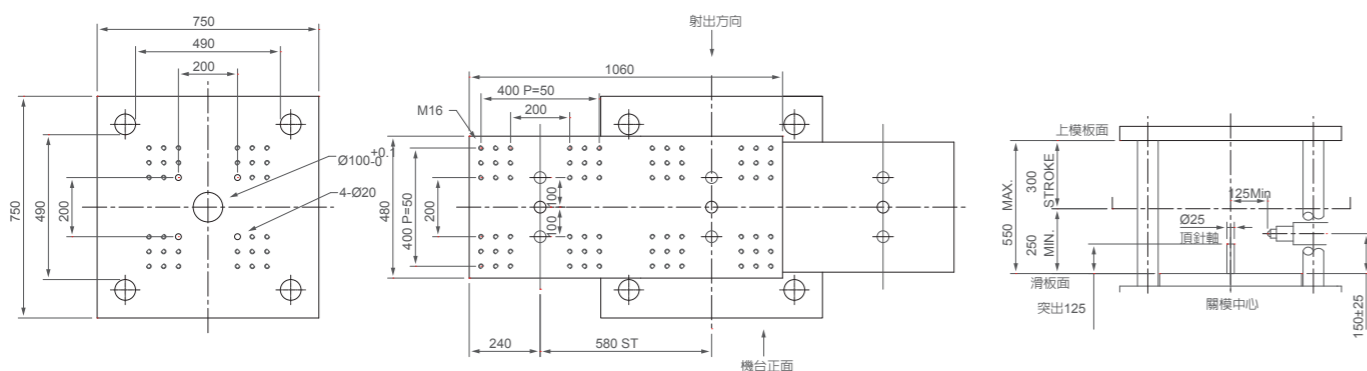
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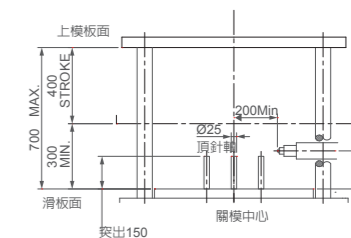
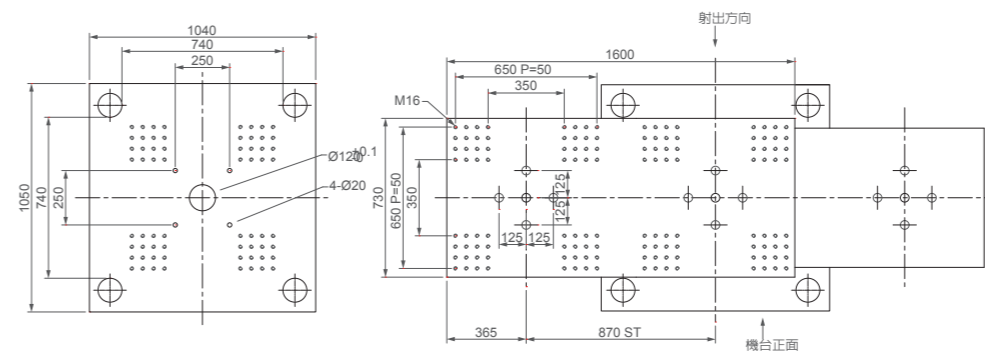
YT-200-2S



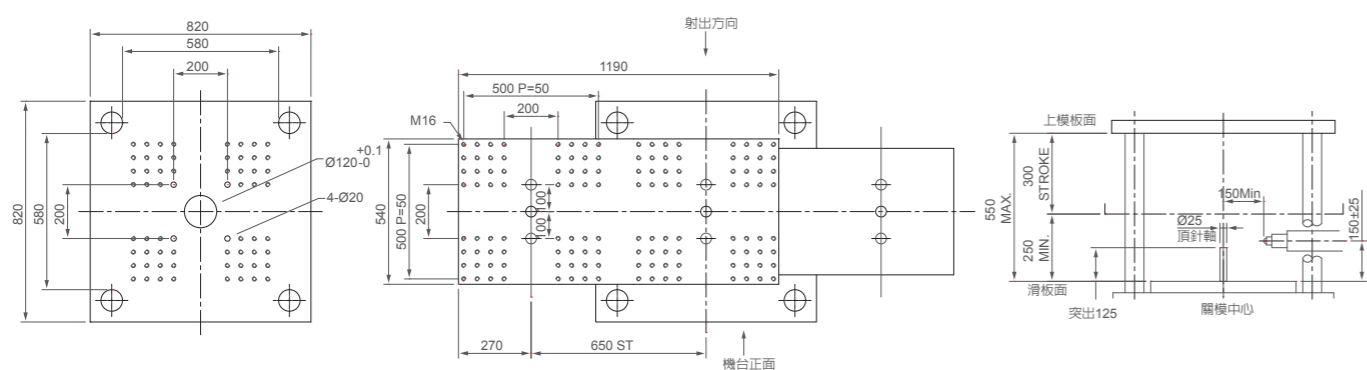
YT-120-2S



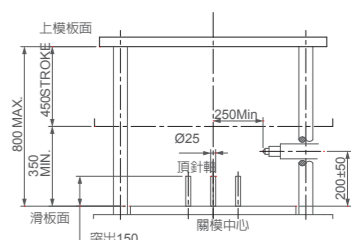
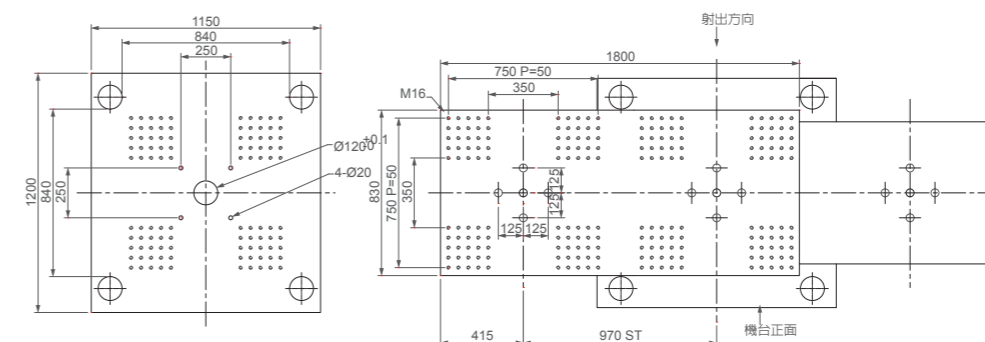
YT-250-2S



YT-160-2S



YT-350-2S



TC 系列

TC SERIES

立式關模立式射出四柱雙射圓盤系列

Vertical Clamping vertical Injection two colors four Columns Series

功能特點

A標準雙色—

- 採四柱立式鎖模，並在上模板有2個獨立的立式射出單元（獨立的射出液壓油路）外加圓盤所組合的雙色射出機
- 鎖模力為50TON~300TON，採用電腦控制，特別配置的液壓系統，更適合生產一般或特殊的雙色（雙物料）的射出成型。
 - 上模板配置二個上模具，圓盤上配置二個下模具，成型時，圓盤180°正反轉交替，即可完成雙色(雙物料)的射出成型或包覆成型。
 - 高效率的圓盤，中間有水套裝置，可供下模具的冷卻運水。
 - 二下模具有各自的頂出機構，可以頂出成型品。
 - 可擴充電腦程序及特別的多站式圓盤（即二上模，四下模），並可在此二下模具加裝自動化的嵌入與取出裝置，即可達到全機的自動化作業，增加生產效能。

B其他雙色

- 型1：在原有射出機的上模板，另加裝一組獨立的直立“射出單元”所組合的雙色射出機
- 例：YH/YR/YC機型+直立射出
- 型2：在原有射出機上，再加裝一組或多組獨立的臥式（水平）射出單元，所組合的雙色射出機。
- 例：YH/YR機型+臥式（水平射出）
- 型3：由兩種機型並合，共用一個“圓盤”所組合的雙色射出機。
- 例：a、YH機型 + YT機型+圓盤（2站~4站）
b、YH機型 + YH機型+圓盤（2站~4站）

主要規格 Main Specification （射出系統可以選擇）

型	號	MODEL		TC-50-4R2		TC-90-4R2		TC-120-4R2		TC-160-4R2		TC-200-4R2		TC-250-4R2	
射 出 選 擇	INJECTION SELECT	Size	I	II	I	II	I	II	I	II	I	II	I	II	
		NO	A	A	A.B	A.B	A.B.C	A.B.C	B.C	B.C	B.C.D	B.C.D	C.D.E	C.D.E	
鎖 模 系 統	CLAMPING UNIT														
鎖 模 力	Clamping Force	tf	50 (25 x 2)		90 (45 x 2)		120 (60 x 2)		160 (80 x 2)		200 (100 x 2)		250 (125 x 2)		
最 小 模 厚	Min. Mould Height	mm	180		200		250		250		300		300		
鎖 模 行 程	Clamping Stroke	mm	215		250		300		300		300		350		
最 大 空 間	Max. Mould Space	mm	395		450		550		550		600		650		
容 模 尺 寸	Space Between Columns(H×V)	mm	200 x 200		280 x 280		350 x 350		400 x 400		450 x 450		500 x 500		
模 板 尺 寸	Overall Size of Platens (H x V)	mm	800 x 360		1050 x 520		1240 x 550		1250 x 660		1450 x 790		1700 x 800		
圓 盤 / 射 出 中 心	Table Diameter&Injection Senter	mm	Φ 600 / 300		Φ 750 / 400		Φ 980 / 500		Φ 1050 / 550		Φ 1170 / 600		Φ 1350 / 700		
頂 出 力	Hydraulic Ejector Force	tf	1.7 x 2		2.7 x 2		2.7 x 2		2.7 x 2		3.3 x 2		3.3 x 2		
頂 出 高 度	Ejector Stroke	mm	40.0		40.0		50.0		50.0		60.0		60.0		
其 他	GENERAL														
油 箱 容 量	Oil Tank Capacity	l	250		300		350		400		450		500		
機 械 尺 寸	Dimension of Machine (L x W x H)	m	1.9 x 1.6 x 3.2		2.1x 1.7 x 3.5		2.3 x 1.9 x 3.7		2.5 x 2.0 x 3.9		2.7 x 2.2 x 4.3		2.9 x 2.4 x 4.5		
機 械 重 量	Weight of Machine	t	3.8		5.5		6.8		9.0		10.5		13.0		

型 號	MODEL	Unit										
射 出 系 統	INJECTION UNIT (可選配)		A		B		C		D		E	
螺 桿 直 徑	Screw Diameter	mm	22	26	26	30	32	36	38	46	46	55
射 料 壓 力	Injection Pressure	kgf / cm ²	1851	1325	1988	1493	1914	1512	2079	1418	2034	1423
理 論 射 出 容 積	Injection Capacity	cm ³	34	47	55	74	124	157	204	298	365	522
最 大 射 出 重 量	Max. Injection Weight (P.S)	gr	30	42	50	66	112	141	183	268	325	470
射 出 率	Injection Rate	oz	1.2	1.6	1.7	2.6	3.9	4.9	6.4	9.4	11.5	16.5
螺 桿 回 轉 數	Screw Rotation Speed	cc / s	37	52	45	62	59	75	85	124	107	153
螺 桿 行 程	Screw Stroke	r.p.m	0 ~ 190		0 ~ 200		0 ~ 180		0 ~ 160		0 ~ 150	
電 熱	Heater	kw	2.1 x 2		3.5 x 2		6 x 2		9 x 2		13.2	
電 動 機	Drive Motor	kw (hp)	3.7 x 2 (5HP x 2)		5.5 x 2 (7.5HP x 2)		7.5 x 2 (10HP x 2)		14.9 x 2 (20HP x 2)		18.7 x 2 (25HP x 2)	

* 規格若修改，恕不另行通知。* 螺桿及鎖模力可選擇使用。* Figures shown herein are subject to change without notice. *Screw and clamping force can be set as customer's request.

Features

A. Standard double injection

- Vertical 4-columns direct-pressure clamping. In the upper mold plate, two separate vertical injection units is installed(separate injection hydraulic oil route) with the addition of round disc for this double injection machine
- Clamping force is 50- 300TON. Computerized and exclusively configured hydraulic system is used ,which is more suitable for the production of general products(or special double-material) injection molding.
 - Two molds are installed on the upper mold plate while two lower molds are installed on the disc. When molding, the disc rotates alternatively at 180 ° to complete the two-color (two-material) injection molding or overmolding.
 - Highly efficient disc with water jacket device in the middle for cooling of the lower mold.
 - Two lower molds have their own respective ejection mechanisms to eject the product.
 - Expandable computer programs and special multi-station disc (i.e. two upper molds and four lower molds). In the two lower modes, automated embedding and removing devices can be installed optionally to achieve automation of the whole machine work and increase production efficiency.

B Other double injection machine: Type 1:

- A set of independent vertical “injection units” is added onto the upper mold plate of the original injection machine to form a double injection machine
- Example: YH / YR / YC models + vertical injection
- Type 2:
- On the original injection machine, one or more sets of independent horizontal (level) injection units is combined to form a double injection machine
- Example: YH / YR models + horizontal injection
- Type 3:
- The two-colors injection molding machine is combined to form a double injection machine by sharing a common disc
- Example: a. YH model + YT model + disc (2-4 stations)
- b. YH model + YH model + disc (2-4 stations)



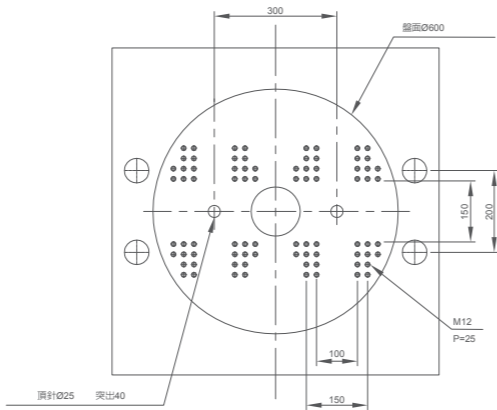
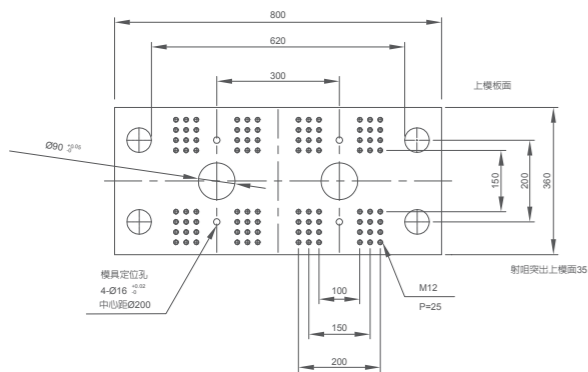
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TC 系列 TC SERIES

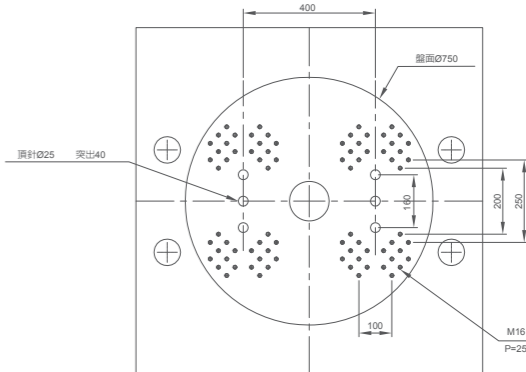
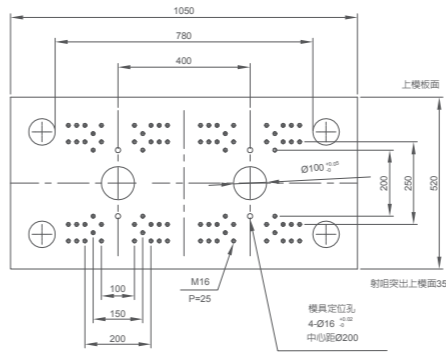
模板尺寸圖

Series Template Size

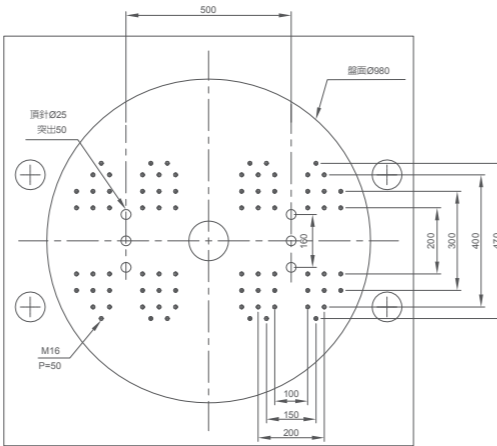
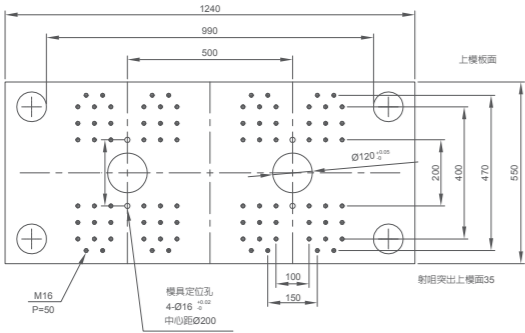
TC-50-4R2



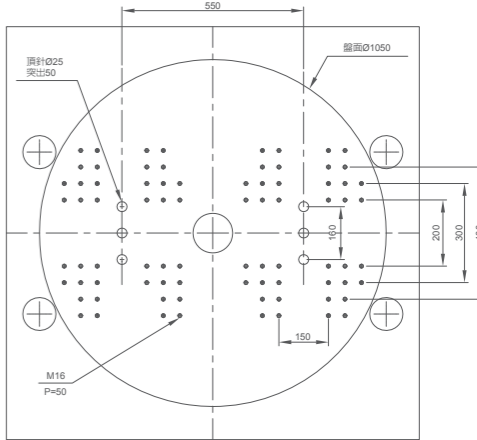
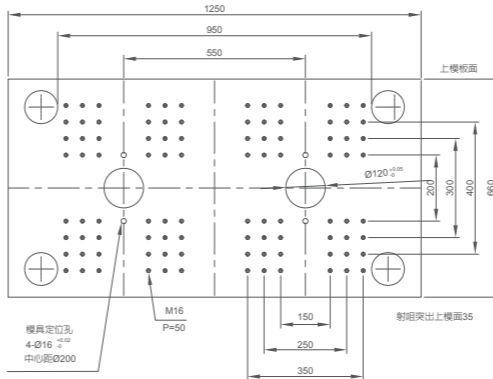
TC-90-4R2



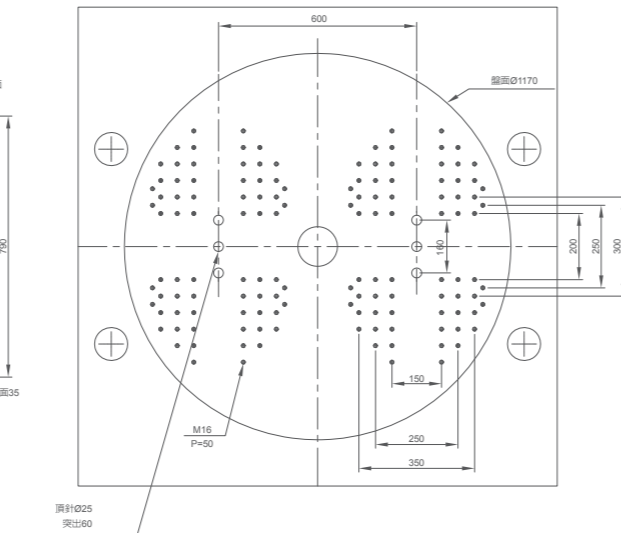
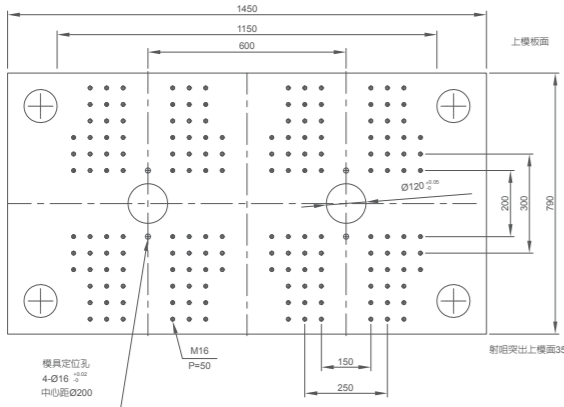
TC-120-4R2



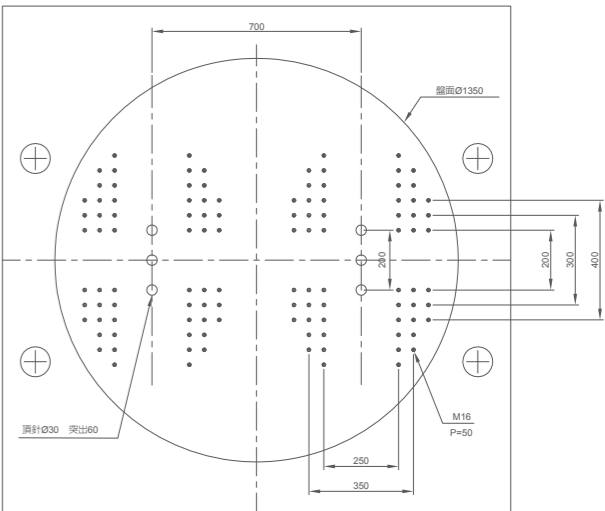
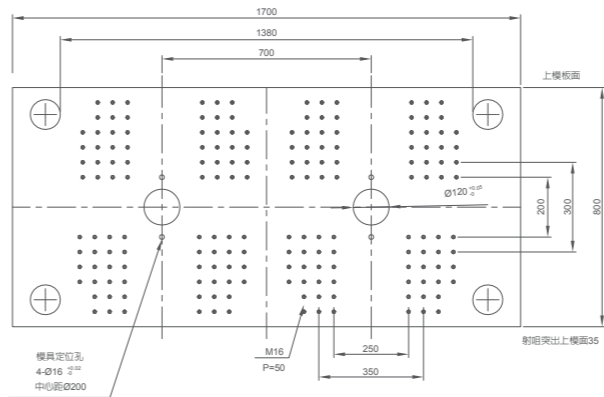
TC-160-4R2



TC-200-4R2



TC-250-4R2



Y-V 系列
Y-V SERIES

線材專用機
Wire / Plug Machine

功能特點

- Y系列射出機立式鎖模/立式注射，適用一般電器插頭，電子零件等小型嵌件成型，是PVC塑 料專用機種。
- 二(三段)溫度控制/射出速度/背壓等無段調整，更適合精密塑膠之零件成型。
- 快速鎖模/低壓慢速開模，鎖模異常時則自動緊急開模，此特別的安全設計，對模具等能起保護作用。
- 下模固定/上模活動式，對成型的嵌件在模具內有很好的定位性。成品有液壓頂出裝置，成品取出非常方便容易。
- 電控配件/液壓配件採用國產名牌，精密耐用運轉噪音低。鎖模力15TON~35TON，有PLC編程電控電腦壓力控制或電腦全比例(比壓比流)控制三種，可供客戶選擇。
- 可追加單滑模1S與雙滑模2S，讓操作更方便生產效率更高且更安全。

Features

- Vertical clamping / vertical injection, suitable for general electrical plugs, electronic components and other small insert molding.
- Two (three stages) temperature control / injection speed / non-stage adjustment of back pressure, etc., more suitable for parts molding of precision plastic.
- Quick mold locking / low pressure low speed to mold lock, a special safety design to protect the mold.
- Lower mold fixing/upper mold movable; with fine positioning for molding piece in mold. The device is equipped with hydraulic ejector for easy removal of the product.
- Electric-control fittings / hydraulic fittings using domestic brands in precision, durability and low noise. The Clamping force is 15TON ~ 35TON with PLC programming electric-control computer in single- comparison- pressure control or computer in full ratio (compare voltage; compare current); there are three options available to customers.
- A single sliding mold 1S and two sliding mold 2S can be added, enabling the operation to be more efficient and safer in production.

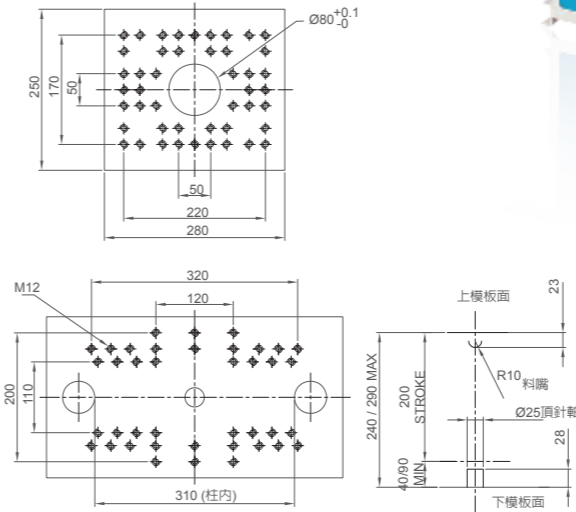
主要規格 Main Specification

型 號	MODEL		Y-15		Y-20		Y-25	
			V		V		V	
射 出 系 統	INJECTION UNIT							
螺 桿 直 徑	Screw Diameter	mm	22	26	22	26	26	30
射 出 壓 力	Injection Pressure	kgf / cm ²	1417	1015	1417	1015	1496	1123
理論射出容積	Injection Capacity	cm ³	36	50	36	50	55	74
最大射出重量	Max.Injection Weight(PVC) 比重 1.35	gr	44	60	44	60	68	90
		oz	1.5	2.1	1.5	2.1	2.4	3.0
射 出 率	Injection Rate	cm ³ / sec	36	50	36	50	46	62
螺 桿 回 轉 數	Screw Rotation Speed	r.m.p.	0~135		0~135		0~150	
射 嘴 行 程	Nozzle Stroke	mm	-		150		150	
射嘴接觸力	Nozzle Contact Force	tf	-		2.4		2.4	
鎖 模 系 統	CLAMPING UNIT							
鎖 模 力	Clamping Force	tf	15		20		25	
鎖 模 行 程	Clamping Stroke	mm	200		215		215	
最 大 開 距	Max. Open Distance	mm	240		255 / 305		360 / 410	
最 小 模 厚	Min. Mould Height	mm	40		40 / 90		145 / 195	
柱 內 空 間	Dimension of inner Post(H×V)	mm	310 二柱式		310 x 130		400 x 150	
頂 出 力	Hydraulic Ejector Force	tf	0.7		0.7		0.7	
頂 出 高 度 (模 面)	Ejector Height	mm	28		28		28	
其 他	OTHER							
電 動 機	Drive Motor	kw(hp)	2.2 (3HP)		2.2 (3HP)		3.7 (5HP)	
電 熱	Heater	kw	2		2		2.5	
油 箱 容 量	Oil Tank Capacity	L	90		90		140	
機 械 尺 寸	Dimension of Machine (L x W x H)	L (m)	1.2		1.3		1.4	
		W (m)	1.2		1.2		1.2	
		H (m)	2.4		2.9		3.1	
機 械 重 量	Weight of Machine	T	0.65	0.7	0.8		1.0	

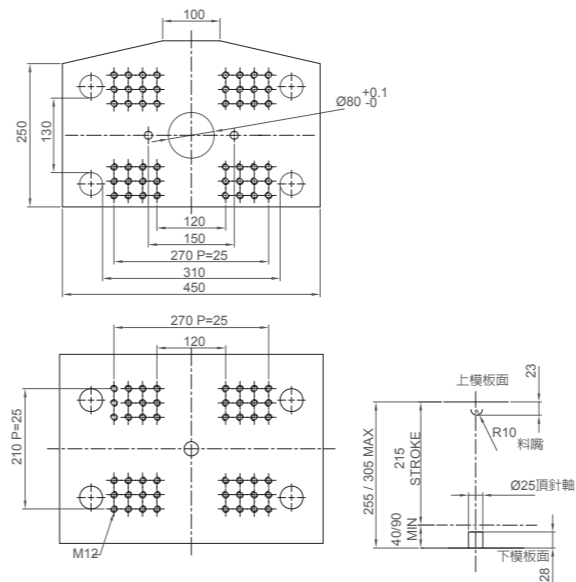
*規格若修改，恕不另行通知。*螺桿及鎖模力可選擇使用。*Figures shown herein are subject to change without notice.*Screw and clamping force can be set as customer's request.

模板尺寸圖
Series Template Size

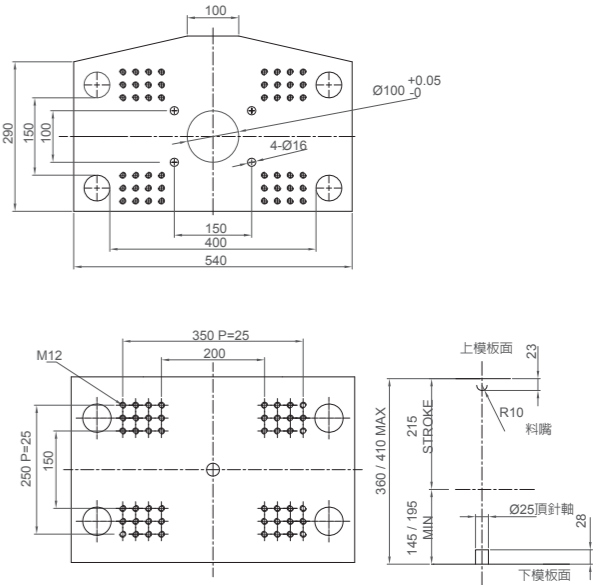
Y-15-V



Y-20-V



Y-25-V



標準配件 STANDARD COMPONENTS

標準配備

- 直壓式合模、低壓保護裝置
- 螺桿射出（一般開回路射出）
- 多段料管溫度控制（4 段）
- 機械式背壓控制
- 冷卻系統
- 雙押扣安全裝置
- 油壓頂出裝置
- 緊急停止安全開關
- 工具／說明書

STANDARD ACCESSORIES

- Direct pressure mold, low pressure protection device
- Screw injection (General open-loop injection)
- Multi-stage temperature control of feed tube (4 stages)
- Mechanical back-pressure control
- Cooling system
- Double-push-button safety device
- Hydraulic ejector
- Emergency-stop safety switch
- Tools / Manual

機構方面：(選購品)

- 油壓式防漏料嘴／彈簧料嘴（內外式彈簧）
- 中子／鉸牙用油路電路裝置
- 雙合金耐磨料管
- 電木料管
- 高混煉及特殊材料用螺桿與料管設計
- 陶瓷式電熱片
- 雙層式電熱片
- 上下模溫預留裝置
- 特殊安全門裝置
- 上模頂針裝置
- 吹氣裝置
- 圓盤機：內頂針裝置
- 雙滑機：中頂針裝置
- 量身訂做特殊機專案

MECHANISM : (OPTIONAL)

- Hydraulic leak-proof material feed nozzle
- Spring nozzle (Inside-and-outside spring)
- Neutron oil circuit device with hinge teeth
- Wear-resistant feed tube with double alloy
- Bakelite tube feed
- Highly refined mixing and special screws and feed tube design
- Ceramic-type electric heating sheet
- Double-layer heating sheet
- Reserve installation for upper & lower molds
- Special safety door device
- Upper mold thimble device
- Blowing device
- Disc drive: inner thimble device
- Dual sliding machine: Middle thimble device
- Custom-made special machine project

周邊附屬設備：(代購品)

- 1-4 級保護之安全電眼裝置
- 電腦連線裝置（需硬碟編號）
- 射出曲線顯示裝置（閉回路控制）
- 列表機（點針式）與列表機介面板裝置
- 油溫過高斷電裝置
- 料管溫度預熱功能裝置
- 頂出系統用位置尺設計 / 座進退系統用位置尺
- 料嘴自動恆溫裝置
- 自動警報裝置
- 過電流過熱過載保護裝置
- 電腦外部記憶裝置卡選購
- 追加 8 段以上溫度控制時選購
- SPC 品管檢測

PERIPHERAL INSTALLATION : (PURCHASED ITEMS)

- Grade 1-4 protective electric eye safety devices
- Computer networks devices (Hard disk file No.)
- Injection curve display device (closed-loop control)
- Printer (point) and a printer interface board device
- Excess high temperature breaker
- Temperature pre-heat function device for feed tube
- Position scale design for injection system Position scale for socket forward & back system
- Auto thermostat for nozzle
- Automatic alarm device
- Over-current & overheating overload protection device
- Optional purchase of computer external memory device card
- Optional purchase of extra over 8-stage temperature control
- SPC quality control testing

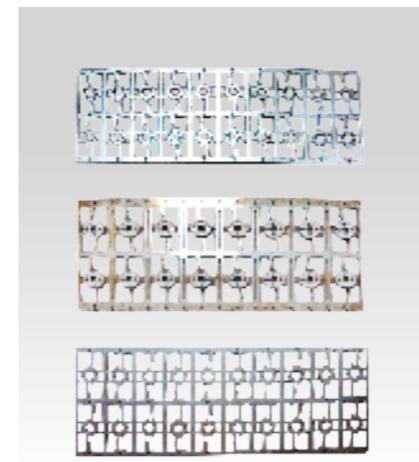
周邊附屬設備：(代購品)

- 乾燥機／吸料機
- 粉碎機
- 模溫機
- 機械手
- 電熱片保溫隔熱石棉
- 液壓油

PERIPHERAL AUXILIARY EQUIPMENT : (PURCHASED ITEMS)

- Dry hopper / vacuum loader
- Pulverizer
- Mold temperature machine
- Manipulator
- Electric heating sheet constant temperature insulation asbestos
- Hydraulic oil

樣品專欄 SAMPLE COLUMN



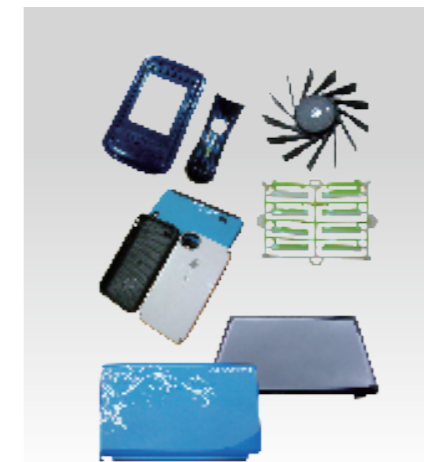
High-Speed Injection



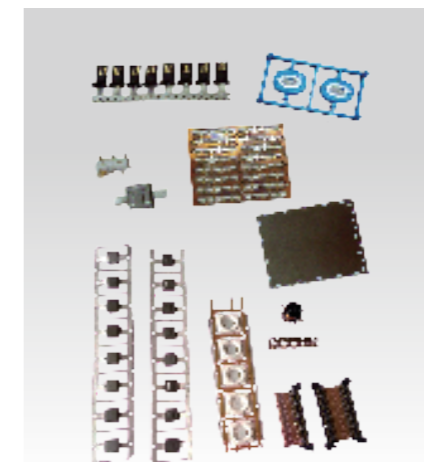
Plug Series



Hardware & Household Items



Consumer Electronics



Bakelite & LCP



Other



Double Injection



IMD&IML



Medical

機種補助概述 MACHINE SUPPLEMENT OVERVIEW

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■ 無柱式 - 雙射機
Non-post double injection machine
雙色一次成型，三面空間更便於嵌入及取出的自動化設備安裝
Double color injection.
Three-side open space makes removing and embedding of automation equipment easier.



■ 立式電動射出機
Vertical electrical injection molding machine
可生產發光二極體支架，連接器，3C 電子產品，生技，醫療。
The light-emitting diode produce stand, connectors, 3C electronic products, biotechnology products, and medical products can be made.



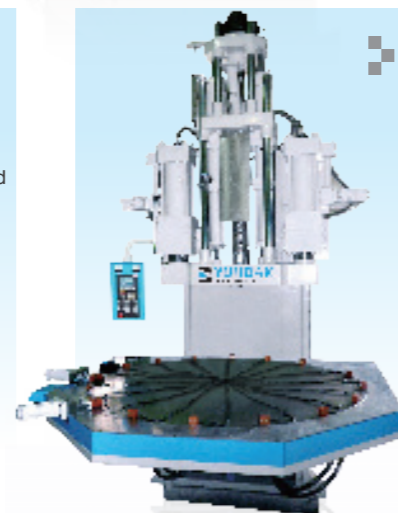
■ 鐵粉成型機
Iron powder molding machine
合模壓力穩定，生產效率高
Clamping pressure is stable and production efficiency is high.



■ 拉鏈機
Zipper machine
自動送帶、收帶上下一次為一次成型
Automatic strap feeding and take-up for one-time injection



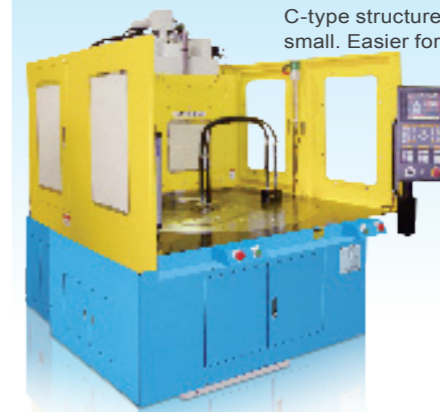
■ 插頭專用機
Plug making machine
適用一般電器插頭，電子零件等小型嵌件成型
Suitable for general electrical plugs, electronic components, and other small embedded pieces of molding.



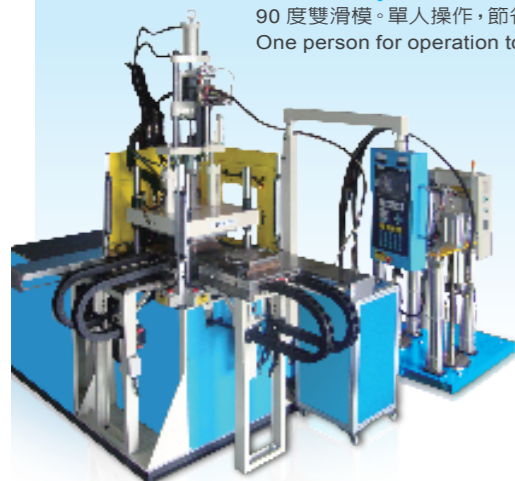
■ 無柱式 - L 型 16 站圓盤機
16-station disc machine
配合客戶開發圓盤站數，轉盤定位精準。
The number of stations is developed according to customers' needs with precise disc positioning.



■ 鞋底專用機
Sole making machine
立式鎖模臥式射出，單滑板型式，讓操作者作業更方便。
Vertical clamping, horizontal injection, and single-sliding which allows the operator to work more convenient



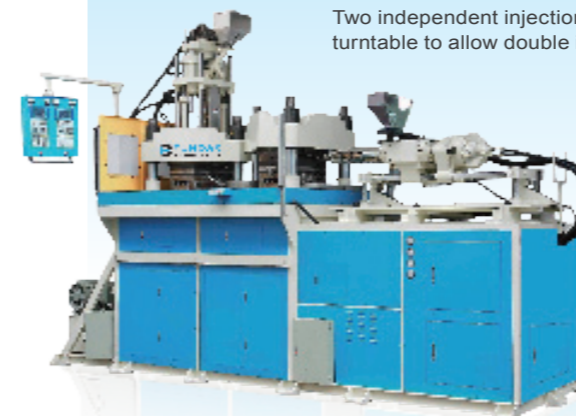
■ 無柱式 - C 型圓盤機
C Type/ Tie-barless Rotary Table
C 型結構體，變形量小。嵌入零件方便
C-type structure, the deformation is small. Easier for insert molding



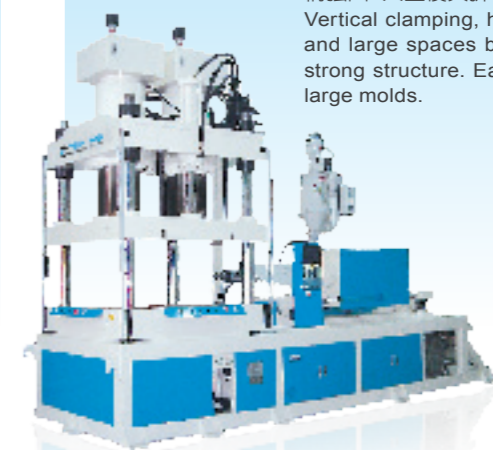
■ 矽膠射出成形機
Silicone injection molding machine
90 度雙滑模。單人操作，節省人力成本
One person for operation to saving cost.



■ 雙射機 Double Injection machine
矽膠 & 塑膠雙射出系統，一次滿足兩種需求。
Silicone and plastic double injection system
Satisfy two requirements in once



■ 四站圓盤雙機雙射
Four station disc dual machine injection
兩獨立射出系統，搭配轉盤，可做雙物件產品的一體成型。
Two independent injection systems with turntable to allow double injection



■ 汽車玻璃包邊成型機
Car hemming machine
立式鎖模，臥式射出，且機柱間距大，結構強固，大型模具拆裝方便。
Vertical clamping, horizontal injection, and large spaces between posts with strong structure. Easy to disassemble large molds.