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YUH-DAK MACHINERY CO., LTD.

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Kucukyali Is Merkezi Girne Mah Irmak Sok.
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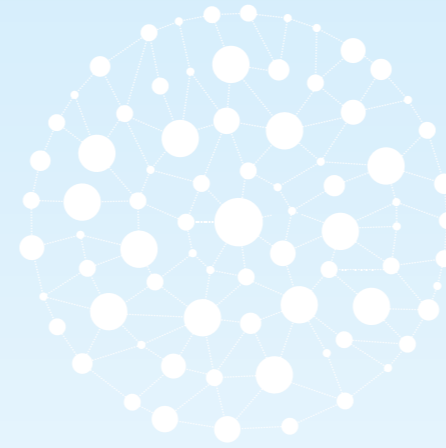
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追求創新高品質 • 產業結盟創價值
Quality-Innovation Appreciated by Industry Alignment

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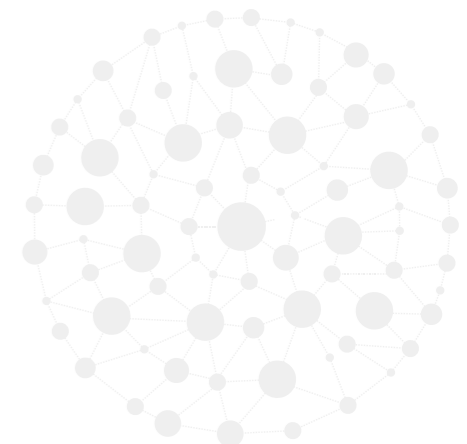
ISO 9001



Designed by Polaris 2024-03. +886-4-24517070



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

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之專業製造廠，成立於 1986 年 4 月，至今擁有了三十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 thirty 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 customised 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 :
MDC1448
MDC1449



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.

ISO9001:2008

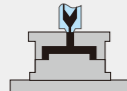
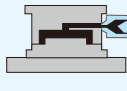
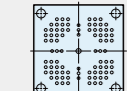
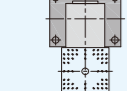
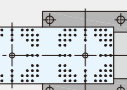
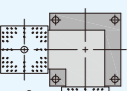
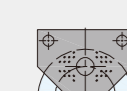
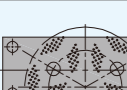

Certification File Number : QA100711



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 MODEL SERIES	YH P5~	YR P7~	YC P9~	YL P11~	YQ P13~	YT P15~	YD P17~
 立關立射 Vertical Clamping Vertical Injection	有柱式 Tie-bar	●	●			●		
	無柱式 Tie-barless				●			
 立關臥射 Vertical Clamping Horizontal Injection	有柱式 Tie-bar						●	
	無柱式 Tie-barless			●				
 固定模 (V) Fixed Bottom Platen	有柱式 Tie-bar			●	●	●	●	
	無柱式 Tie-barless			●				
 單滑模 (1S) Single Slide Table	有柱式 Tie-bar				●	●	※	
	無柱式 Tie-barless							
 雙滑模 Double Slide Table 180° (2S)	有柱式 Tie-bar			●		●	●	
	無柱式 Tie-barless							
 雙滑模 Double Slide Table 90° (2SL)	有柱式 Tie-bar					●		
	無柱式 Tie-barless							
 三柱圓盤 (3R2) Three Columns Rotary Table	有柱式 Tie-bar		●	●			●	
	無柱式 Tie-barless							
 四柱圓盤 (4R2) Four Columns Rotary Table	有柱式 Tie-bar							●
	無柱式 Tie-barless							
 無柱圓盤 (R) Tie-barless Rotary Table	有柱式 Tie-bar			●				
	無柱式 Tie-barless							

補充說明:

- 表示標準機種
- ※表示特殊機種
- 雙料管射出請參閱雙色單元
- 圓盤站數可依需求追加客製化

Additional informations:

- Represent standard model.
- ※ Represent particular model.
- Double injection please refer two color unit.
- The number of stations of rotary table can be customization according to requirement.

控制系統 CONTROL SYSTEM

AF-7



- 標配解析度: 800×600(8吋)、可選擇: 1024×768(12.1吋) 1366×768(18.5吋)。
- 搭載TFT LCD面板·LED背光可透過軟體控制。
- 搭載介面: RS422 (1組)、RS485 (1組)、CAN Bus (1組)、Ethernet (1組)。
- 支援OPC UA通訊協定、Modbus TCP通訊協定、MES智能製造執行系統。
- 可遠端監視、線上教導、維修診斷及USB插入載入備份。
- 溫度6段PID控制·最大可擴充至48段·每一通道皆可設定K型或J型感溫線。
- 壓力2組、流量2組·最大可擴充至各8組。
- 位置尺或壓力傳感器D/A輸入16組。
- D/A電壓輸出4組(16bit)·最大可擴充至16組。
- 32點輸入、40點輸出(短路保護)·最大可擴充至各120點。
- 支援多國語言·標準6種(中、英文·預留4種)

- Standard resolutions : 800×600(8-inch) Available : 1024×768(12.1-inch) 1366×768(18.5-inch)
- Equip TFT LCD panel, LED backlight can be adjusted with software.
- Equip interface : RS422 (1 set), RS485 (1 set), CAN Bus (1 set), Ethernet (1 set).
- Support OPC UA communication protocol, Modbus TCP communication protocol, MES (Manufacturing Execution System).
- Remote monitoring, online teaching, maintenance diagnosis, USB disk download are available.
- 6 zones Temperature PID control, Max. 48 zones. any ThermoCouple can be specified K-type or J-type.
- Pressure 2ch, flow 2ch, Max. 8 zones respectively.
- Position stroke & Pressure sensor hardware channel setting function 16 channels can be specified.
- 4 channel D/A(0~±10V) voltage output(16 bit), Max. 16 channel.
- 32 ports of INPUT and 40 ports of OUTPUT (short circuit protection), Max. 120 ports respectively.
- Multiple languages support: six standard languages (Chinese, English, and other four default languages).

伺服控制系統 SERVO HYDRAULIC SYSTEM



- 超強省電特性
- 高效率、高應答、高精度
- 安靜、低噪音
- 省水、低發熱量
- 業界應答最快
- 效率、精度最高
- 耐惡劣環境
- 低連波、低噪音、壽命長

- Super power-saving in feature
- High efficiency, high response, high precision
- Quiet, low noise
- Water-saving, low heat
- The industry's fastest response
- High efficiency, highest precision
- Resistance to harsh environment
- Low ripple, low noise, long life

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

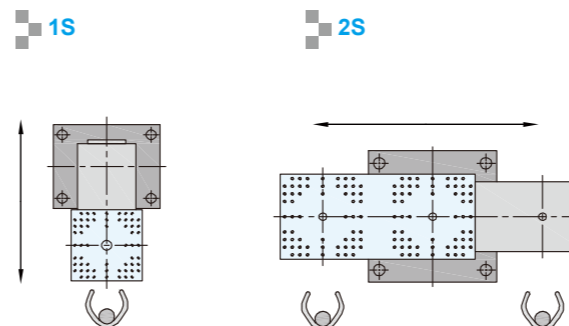
功能特點

- 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.
- Simple structure, small occupancy.
- Double action clamping cylinder for fast clamping, slow speed high pressure clamping.
- Single sliding pushes the lower mold out for easy loading/unloading.
- Double sliding use two lower mold, machine molding the parts while the operator is loading the other mold, to increase productivity.

機種選擇 Machine Selection



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	1S	2S	V	1S	2S	V	1S	2S	V	1S	2S	V	1S	2S	V	1S	2S	V	1S	2S	V	1S	2S	V	1S	2S																														
射出裝置選項	Injection Unit Option	No.	5220			5220 ~ 10550			5220 ~ 12360			5220 ~ 15380			5220 ~ 17530			5220 ~ 23570			5220 ~ 27700			5220 ~ 33800			5220 ~ 49450																																
* 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			215			250			300			300			350			400																																
最大開距	Max. Open Distance	mm	240 ~ 290			360 ~ 410			360 ~ 410			415 ~ 465			450 ~ 500			550 ~ 600			550 ~ 600			650 ~ 700			800 ~ 850																																
最小模厚	Min. Mold Height	mm	40 ~ 90			145 ~ 195			145 ~ 195			145 ~ 195			200 ~ 250			250 ~ 300			250 ~ 300			300 ~ 350			400 ~ 450																																
頂出力	Hydraulic Ejector Force	tf	0.7	1.7	1.3	1.7	1.3	1.7	1.3	1.7	1.3	1.7	2.2	2.7	2.2	2.7	2.2	2.7	2.7	4.5	2.7	4.5	2.7	4.5	2.7	4.5																																	
頂出高度(模面)	Ejector Stroke	mm	25	50	40	50	40	50	40	50	40	50	70	125	80	125	80	125	80	150	100	150	100	150	100	150																																	
* 容模系統	MOLD UNIT																																																										
柱內空間	Dimension of Tie Bar	mm	310 (二柱式)			350 × 150			400 × 200			450 × 250			510 × 310			580 × 340			650 × 380			750 × 400			850 × 450																																
滑模尺寸	Slide Dimension	mm	---	280×240	480×240	---	330×260	500×330	---	380×350	700×380	---	420×400	800×420	---	480×550	1100×480	---	540×570	1140×540	---	630×630	1260×630	---	730×680	1360×730	---	830×780	1560×830																														
最大容模尺寸	正方 Square	mm	175 × 175			200 × 200			250 × 250			300 × 300			350 × 350			400×400			425 × 425			450×450			475 × 475			500×500			525 × 525			550×550			575 × 575																				
MAX Mold Size	長方 Rectangular	mm	250 × 125			325×140			250×150			325×150			375×190			300 × 200			400×240			350 × 250			460×300			450 × 300			530×330			500 × 375			580×350			550 × 400			680×350			650×425			600×425			750×400			700 × 450		
* 其他	OTHER																																																										
電動機	Drive Motor	kw(hp)	2.2 (3)			2.2+2.2			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+3.7 (25+5)			22.4(30)			22.4+3.7 (30+5)			29.8(40)			29.8+3.7 (40+5)					
油箱容量	Oil Tank Capacity	L	95			140			200			220			250			300			350			400			450																																
機械尺寸	Dimension of Machine	L(m)	1.13	1.24	1.37	1.42	1.56	1.72	1.37	1.51	1.66	1.73	1.90	2.09	1.78	1.96	2.15	2.59	2.85	3.13	2.66	2.92	3.21	2.46	2.71	2.98	2.70	2.97	3.27																														
		W(m)	0.79	0.79	1.05	0.99	0.99	1.18	1.12	1.12	1.40	1.36	1.36	1.40	1.26	1.26	1.85	1.43	1.43	1.91	1.53	1.53	2.09	1.11	1.77	2.24	1.85	1.85	2.54																														
		H(m)	2.43	2.50	2.50	2.94	3.01	3.01	3.06	3.13	3.13	3.41	3.49	3.49	3.52	3.61	3.61	4.21	4.30	4.30	4.42	4.52	4.52	4.83	4.94	4.94	5.98	6.09	6.09																														
機械重量	Weight of Machine	T	0.91	1.02	1.22	1.25	1.34	1.45	1.65	2.48	1.93	2.26	2.48	2.64	2.97	3.30	3.52	4.95	5.38	5.68	6.20	6.50	7.00	8.20	8.80	9.50	10.00	10.50	11.20																														

射出規格 Injection Specification

國際型號	INT'L NO.		5220			10550			12360			15380			17530			23570			27700			33800			49450		
* 射出系統	INJECTION UNIT																												
螺桿直徑	Screw Diameter	mm	18	20	22	24	28	30	28	32	36	32	36	40	34	38	42	38	45	50	42	45	50	45	50	55	55	60	65
射出壓力	Injection Pressure	kgf/cm ²	2052	1663	1374	2333	1714	1493	2009	1538	1215	1914	1512	1225	1932	1546	1266	2080	1483	1201	2000	1742	1411	2126	1722	1423	2083	1750	1491
理論射出容積	Injection Capacity	cm ³	22	27	32	47	65	74	83	109	137	125	158	195	150	187	229	204	286	353	277	318	393	350	432	523	594	707	830
最大射出重量	Max. Injection Weight (PS)	gr	19	24	29	43	58	67	75	98	124	112	142	175	135	168	206	184	258	318	249	286	353	315	389	470	535	636	747
		oz	0.7	0.8	1.0	1.5	2.0	2.4	2.6	3.4	4.4	4.0	5.0	6.2	4.7	5.9	7.2	6.5	9.1	11.2	8.8	10.1	12.4	11.1	13.7	16.6	18.8	22.4	26.3
射出率	Injection Rate	cm ³ /sec	26	32	39	30	41	47	46	60	76	60	76	94	68	85	104	88	123	152	106	122	151	124	153	185	183	218	255
射出速度	Injection Speed	mm/s	102			66			75			75			75			77			77			78			77		
電熱	Heater	kw	2.7			4.4			4.9			6.8			7.5			9			11			13			15		

*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

YR 多重嵌注射機圓盤系列

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，以固定銷鎖住，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.

主要規格 Main Specification

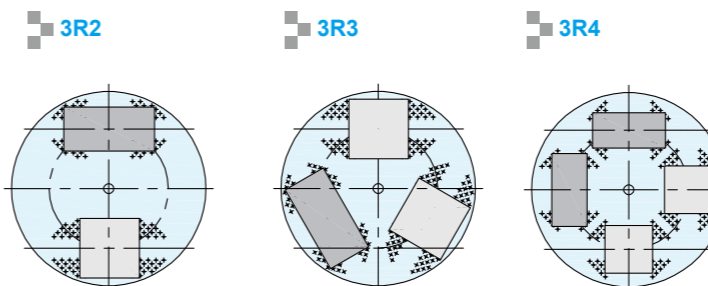
型號	MODEL		YR-25-3R2	YR-40-3R2	YR-60-3R2	YR-90-3R2	YR-120-3R2	YR-160-3R2	YR-200-3R2	YR-250-3R2
射出裝置選項	Injection Unit Option	No.	5220 ~ 10550	5220 ~ 12360	5220 ~ 15380	5220 ~ 17530	5220 ~ 17530	5220 ~ 27700	5220 ~ 33800	5220 ~ 49450
* 鎖模系統	CLAMPING UNIT									
鎖模力	Clamping Force	tf	25	40	60	90	120	160	200	250
鎖模行程	Clamping Stroke	mm	215	215	215	250	300	300	350	400
最大開距	Max. Open Distance	mm	360 ~ 410	360 ~ 410	415 ~ 465	450 ~ 500	550 ~ 600	550 ~ 600	650 ~ 700	800 ~ 850
最小模厚	Min. Mold 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	4.5	4.5	4.5
頂出高度(模面)	Ejector Stroke	mm	100	100	100	125	125	150	150	150
* 容模系統	MOLD UNIT									
轉盤直徑	Dimension of Tie Bar	mm	Φ 520	Φ 750	Φ 856	Φ 980	Φ 1172	Φ 1350	Φ 1550	Φ 1750
最大容模尺寸	正方 Square	mm	150 × 150	225 × 225	275 × 275	325 × 325	400 × 400	450 × 450	525 × 525	540 × 540
MAX Mold Size	長方 Rectangular	mm	200 × 125	300 × 175	350 × 200	400 × 250	500 × 300	600 × 325	800 × 350	850 × 350
* 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 + 3.7 (25+5)	22.4 + 3.7 (30+5)	29.8 + 3.7 (40+5)
油箱容量	Oil Tank Capacity	L	200	225	250	300	350	400	450	500
機械尺寸	Dimension of Machine	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	2.42	2.86	4.29	5.39	6.49	9.10	11.75	13.75

射出規格 Injection Specification

國際型號	INT'L NO.		10550			12360			15380			17530			23570			27700			33800			49450		
* 射出系統	INJECTION UNIT																									
螺桿直徑	Screw Diameter	mm	24	28	30	28	32	36	32	36	40	34	38	42	38	45	50	42	45	50	45	50	55	55	60	65
射出壓力	Injection Pressure	kgf/cm ²	2333	1714	1493	2009	1538	1215	1914	1512	1225	1932	1546	1266	2080	1483	1201	2000	1742	1411	2126	1722	1423	2083	1750	1491
理論射出容積	Injection Capacity	cm ³	47	65	74	83	109	137	125	158	195	150	187	229	204	286	353	277	318	393	350	432	523	350	707	830
最大射出重量	Max. Injection Weight (PS)	gr	43	58	67	75	98	124	112	142	175	135	168	206	184	258	318	249	286	353	315	389	470	315	636	747
		oz	1.5	2.0	2.4	2.6	3.4	4.4	4.0	5.0	6.2	4.7	5.9	7.2	6.5	9.1	11.2	8.8	10.1	12.4	11.1	13.7	16.6	11.1	22.4	26.3
射出率	Injection Rate	cm ³ /sec	30	41	47	46	60	76	60	76	94	68	85	104	88	123	152	106	122	151	124	153	185	124	218	255
射出速度	Injection Speed	mm/s	66			75			75			75			77			77			78			77		
電熱	Heater	kw	4.4			4.9			6.8			7.5			9			11			13			15		

* 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.

圓盤模具 Rotary Table Mold



YC 系列 YC SERIES

YC 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.

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.



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	R2	V	2S	R2	V	2S	R2	V	2S	R2	
射出裝置選項	Injection Unit Option	No.	12360			12360 ~ 15380			12360 ~ 17530			12360 ~ 23570			
* 鎖模系統	CLAMPING UNIT														
鎖模力	Clamping Force	tf	40			60			90			120			
鎖模行程	Clamping Stroke	mm	200			200			250			300			
最大開距	Max. Open Distance	mm	375			400			500			550			
最小模厚	Min. Mold Height	mm	175			200			250			250			
頂出力	Hydraulic Ejector Force	tf	1.7			1.7			2.7			2.7			
頂出高度(模面)	Ejector Stroke	mm	40			40			40			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	Distance From Mold Center to Nozzle	mm	75 Min			75 Min			125 Min			125Min			
* 容模系統	MOLD UNIT														
模板尺寸	Platen Dimension	mm	400 × 240	---	---	480 × 280	---	---	580 × 380	---	---	640 × 420	---	---	
滑模尺寸	Slide Dimension	mm	---	870 × 240	---	---	980 × 280	---	---	1180 × 380	---	---	1290 × 420	---	
轉盤直徑	Rotary Diameter	mm	---	---	Φ 750	---	---	Φ 856	---	---	Φ 980	---	---	Φ 1172	
最大容模尺寸	Max. Mold Size	mm	225 × 225			275 × 275			350 × 350			400 × 400			375 × 375
* 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)		11.2(15)	11.2+2.2 (15+3)		14.9(20)	14.9+2.2 (20+3)		
油箱容量	Oil Tank Capacity	L	200			220			250			300			
機械尺寸	Dimension of Machine	L(m)	2.5	2.6	3.1	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	2.64	2.86	3.30	3.52	3.69	4.57	6.38	6.60	7.21	9.90	10.45	11.00	

射出規格 Injection Specification

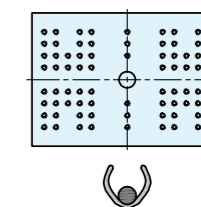
國際型號	INT'L NO.		12360			15380			17530			23570		
* 射出系統	INJECTION UNIT													
螺桿直徑	Screw Diameter	mm	28	32	36	32	36	40	34	38	42	38	45	50
射出壓力	Injection Pressure	kgf/cm ²	2009	1538	1215	1914	1512	1225	1932	1546	1266	2080	1483	1201
理論射出容積	Injection Capacity	cm ³	83	109	137	125	158	195	150	187	229	204	286	353
最大射出重量	Max. Injection Weight (PS)	gr	75	98	124	112	142	175	135	168	206	184	258	318
		oz	2.6	3.4	4.4	4.0	5.0	6.2	4.7	5.9	7.2	6.5	9.1	11.2
射出率	Injection Rate	cm ³ /sec	46	60	76	60	76	94	68	85	104	88	123	152
射出速度	Injection Speed	mm/s	75			75			75			77		
電熱	Heater	kw	4.9			6.8			7.5			9		

* 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.

機種選擇

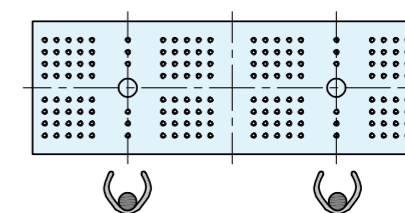
Machine Selection

V

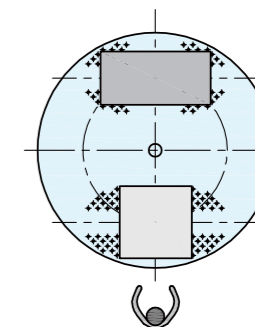


2S

左 → 右
滑模方向



R2



YL 系列 YL SERIES

YL 無柱關模立式射出系列

YL Vertical Clamping Vertical Injection Tie-barless Series

功能特點

- 立式關模，無機柱的機體方式，配合立式射出，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

型號	MODEL		YL-40		YL-60		YL-90	
			V	1S	V	1S	V	1S
射出裝置選項	Injection Unit Option	No.	12360		12360 ~ 15380		12360 ~ 17530	
* 鎖模系統	CLAMPING UNIT							
鎖模力	Clamping Force	tf	40		60		90	
鎖模行程	Clamping Stroke	mm	215		250		250	
最大開距	Max. Open Distance	mm	395		450		500	
最小模厚	Min. Mold Height	mm	180		200		250	
頂出力	Hydraulic Ejector Force	tf	1.7		1.7		2.7	
頂出高度(模面)	Ejector Stroke	mm	40		40		40	
* 容模系統	MOLD UNIT							
模板尺寸	Platen Dimension	mm	600 × 400		800 × 450		900 × 550	
滑模尺寸	Slide Dimension	mm	---		---		---	
最大容模尺寸 MAX Mold Size	正方 Square	mm	375 × 375	300 × 300	425 × 425	350 × 350	500 × 500	400 × 400
	長方 Rectangular	mm	500 × 250	400 × 200	500 × 350	500 × 200	625 × 375	575 × 275
* 其他	OTHER							
電動機	Drive Motor	kw(hp)	5.5 (7.5)		7.5 (10)		11.2 (15)	
油箱容量	Oil Tank Capacity	L	200		220		250	
機械尺寸	Dimension of Machine	L(m)	1.9	2.3	2.0	2.5	2.1	2.7
		W(m)	1.5	1.5	1.7	1.7	1.9	1.9
		H(m)	2.8	2.9	3.2	3.3	3.4	3.5
機械重量	Weight of Machine	T	4.1	4.4	6.0	6.5	8.8	9.5

射出規格 Injection Specification

國際型號	INT'L NO.		12360			15380			17530		
* 射出系統											
螺桿直徑	Screw Diameter	mm	28	32	36	32	36	40	34	38	42
射出壓力	Injection Pressure	kgf/cm ²	2009	1538	1215	1914	1512	1225	1932	1546	1266
理論射出容積	Injection Capacity	cm ³	83	109	137	125	158	195	150	187	229
最大射出重量	Max. Injection Weight (PS)	gr	75	98	124	112	142	175	135	168	206
		oz	2.6	3.4	4.4	4.0	5.0	6.2	4.7	5.9	7.2
射出率	Injection Rate	cm ³ /sec	46	60	76	60	76	94	68	85	104
射出速度	Injection Speed	mm/s	75			75			75		
電熱	Heater	kw	4.9			6.8			7.5		

*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.



L—立式射出

- A. 可選擇加裝單滑模，讓成型作業更方便。
- B. 可選擇加裝圓盤，可提高工作效率。

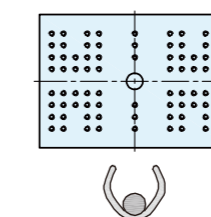
L—Vertical Injection

- A. Optional single sliding can be installed to make operation more convenient.
- B. Optional installation disc to improve work efficiency.

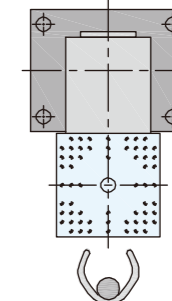
機種選擇

Machine Selection

V



1S



YQ 系列 YQ SERIES

YQ 立式關模立式射出成型機 YQ Vertical Injection Molding Machine

功能特點

- 立式四柱直鎖模，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。
- 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，一模在注塑成形，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-column 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.
- 1S single slide: After mold opening, the lower mold will automatically slip in front of the operator for facilitating embedded molding operation.
- 2S double slide (Alternating double slide): One mold for injection molding, another mold for taking out and putting on embedded parts operation.

- 2SL double slide (90° Alternating double slide): 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				YQ-250											
			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	V	1S	2S	2SL								
射出裝置選項	Injection Unit Option	No.	10550				10550 ~ 12360				10550 ~ 15380				10550 ~ 17530				10550 ~ 23570				10550 ~ 27700				10550 ~ 33800				10550 ~ 49450											
* 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				215				250				300				300				350				400											
最大開距	Max. Open Distance	mm	360 ~ 410				360 ~ 410				415 ~ 465				450 ~ 500				550 ~ 600				550 ~ 600				650 ~ 700				800 ~ 850											
最小模厚	Min. Mold 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				4.5				4.5				4.5											
頂出高度(模面)	Ejector Stroke	mm	40	60			40	60			40	60			70	100			70	100			80	125			100	150			100	150										
* 容模系統	MOLD UNIT																																									
柱內空間	Dimension of Tie Bar	mm	310 × 310				400 × 400				450 × 450				510 × 510				580 × 580				650 × 650				750 × 750				850 × 850											
滑模尺寸	Slide Dimension	mm	---	280×280	640×280	280×280	---	380×380	840×380	380×380	---	420×420	940×420	420×420	---	480×480	1100×480	480×480	---	540×540	1190×540	540×540	---	630×630	1380×630	630×630	---	730×730	1600×730	730×730	---	830×830	1830×830	830×830								
最大容模尺寸	正方形 Square	mm	275×275	175 × 175			350×350	275 × 275			425×425	325 × 325			500×500	325 × 325			575×575	375 × 375			625×625	475 × 475			725×725	575 × 575			825×825	657 × 675										
MAX Mold Size	長方 Rectangular	mm	350×250	275 × 125			400×300	375 × 250			500×400	400 × 300			600×450	475 × 300			650×525	500 × 350			700×550	625 × 425			800×650	725 × 525			900×750	825 × 625										
* 其他	OTHER																																									
電動機	Drive Motor	kw(hp)	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+3.7 (25+5)			22.4 (30)		22.4+3.7 (30+5)			29.8 (40)		29.8+3.7 (40+5)		
油箱容量	Oil Tank Capacity	L	200				225				250				300				350				400				450				500											
機械尺寸	Dimension of Machine	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	2.7	3.3	2.0	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	2.0	2.0	2.9	2.6								
		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	5.3	5.6	5.6	5.7								
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	10.0	10.5	11.2	11.0								

射出規格 Injection Specification

國際型號	INT'L NO.		10550			12360			15380			17530			23570			27700			33800			49450					
* 射出系統	INJECTION UNIT																												
螺桿直徑	Screw Diameter	mm	24	28	30	28	32	36	32	36	40	34	38	42	38	45	50	42	45	50	45	50	55	55	60	65			
射出壓力	Injection Pressure	kgf/cm ²	2333	1714	1493	2009	1538	1215	1914	1512	1225	1932	1546	1266	2080	1483	1201	2000	1742	1411	2126	1722	1423	2083	1750	1491			
理論射出容積	Injection Capacity	cm ³	47	65	74	83	109	137	125	158	195	150	187	229	204	286	353	277	318	393	350	432	523	594	707	830			
最大射出重量	Max. Injection Weight (PS)	gr	43	58	67	75	98	124	112	142	175	135	168	206	184	258	318	249	286	353	315	389	470	535	636	747			
		oz	1.5	2.0	2.4	2.6	3.4	4.4	4.0	5.0	6.2	4.7	5.9	7.2	6.5	9.1	11.2	8.8	10.1	12.4	11.1	13.7	16.6	18.8	22.4	26.3			
射出率	Injection Rate	cm ³ /sec	30	41	47	46	60	76	60	76	94	68	85	104	88	123	152	106	122	151	124	153	185	183	218	255			
射出速度	Injection Speed	mm/s	66			75			75			75			77			77			78			77					
電熱	Heater	kw	4.4			4.9			6.8			7.5			9			11			13			15					

* 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.

YT 系列 YT SERIES

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 3-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 into 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 slide mold (2S) — (alternating two slide mold): 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																																										
射出裝置選項	Injection Unit Option	No.	15380			15380 ~ 17530			15380 ~ 23570			15380 ~ 27700			13580 ~ 33800			15380 ~ 49450			15380 ~ 49450B																																												
* 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. Mold Height	mm	200			200			250			250			300			300			400																																												
頂出力	Hydraulic Ejector Force	tf	1.7			2.7			2.7			4.5			4.5			4.5			7																																												
頂出高度(模面)	Ejector Stroke	mm	100			100			125			125			125			150			150																																												
射嘴中心高度	Height of Nozzle Center	mm	130 ± 25			130 ± 25			150 ± 25			150 ± 25			175 ± 25			175 ± 25			200 ± 50																																												
模中心至射嘴距	Distance From Mold Center to Nozzle	mm	125 Min			125 Min			125 Min			125 Min			200 Min			200 Min			250 Min																																												
* 容模系統	MOLD UNIT																																																																
模板尺寸	Platen Dimension	mm	390 × 390			---			440 × 440			---			490 × 490			---			640 × 640			---			740 × 740			---			840 × 840			---																													
滑模尺寸	Slide Dimension	mm	---			840 × 380			---			---			1060 × 480			---			---			1190 × 540			---			---			1380 × 630			---			1600 × 730			---																							
轉盤直徑	Rotary Diameter	mm	---			---			Φ 856			---			---			Φ 980			---			---			Φ 1172			---			---			Φ 1350			---			---			Φ 1550			---			---			Φ 1750			---								
最大容模尺寸	MAX Mold Size	mm	375 × 375			275 × 275			275 × 275			425 × 425			325 × 325			325 × 325			475 × 475			325 × 325			400 × 400			550 × 550			375 × 375			450 × 450			625 × 625			425 × 425			525 × 525			725 × 725			575 × 575			540 × 540			825 × 825			675 × 675			540 × 540		
		mm	450 × 300			375 × 250			350 × 200			500 × 350			400 × 300			400 × 250			600 × 450			450 × 300			500 × 350			650 × 450			525 × 375			600 × 325			700 × 500			600 × 425			800 × 350			800 × 550			700 × 550			850 × 350			900 × 600			800 × 550			850 × 350		
* 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(15)		14.9+2.2 (15+3)		18.7(25)		18.7+3.7 (25+5)		22.4(30)		22.4+3.7 (30+5)		29.8(40)		29.8+3.7 (40+5)		39.3(50)		39.3+3.7(50+5)																																					
油箱容量	Oil Tank Capacity	L	250			300			300			400			450			500			600																																												
機械尺寸	Dimension of Machine	L(m)	3.2	3.2	3.5	3.7	3.7	4.1	4.1	4.1	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	7.0	9.5	8.5	10	12	10	11.5	13.0	12	14	16	16	17	19	17	19	21																																										

射出規格 Injection Specification

國際型號	INT'L NO.		15380			17530			23570			27700			33800			49450			49450B				
* 射出系統	INJECTION UNIT																								
螺桿直徑	Screw Diameter	mm	32	36	40	34	38	42	38	45	50	42	45	50	45	50	55	55	60	65	60	65	70		
射出壓力	Injection Pressure	kgf/cm ²	1914	1512	1225	1932	1546	1266	2080	1483	1201	2000	1742	1411	2126	1722	1423	2083	1750	1491	1750	1491	1286		
理論射出容積	Injection Capacity	cm ³	125	158	195	150	187	229	204	286	353	277	318	393	350	432	523	350	707	830	707	830	962		
最大射出重量	Max. Injection Weight (PS)	gr	112	142	175	135	168	206	184	258	318	249	286	353	315	389	470	315	636	747	636	747	866		
		oz	4.0	5.0	6.2	4.7	5.9	7.2	6.5	9.1	11.2	8.8	10.1	12.4	11.1	13.7	16.6	11.1	22.4	26.3	22.4	26.3	30.5		
射出率	Injection Rate	cm ³ /sec	60	76	94	68	85	104	88	123	152	106	122	151	124	153	185	124	218	255	218	255	296		
射出速度	Injection Speed	mm/s	75			75			77			77			78			77			77				
電熱	Heater	kw	6.8			7.5			9			11			13			15			19				

* 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.

YD 系列 YD 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90TON ~ 500TON，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，圓盤上配置三個下模具，成型時，圓盤120° 逆時鐘旋轉，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。
- 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）

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 90- 500TON. 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 three lower molds are installed on the disc. When molding, the disc rotates alternatively at 120° 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.
- 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)



主要規格 Main Specification

型號	MODEL	YD-90-4R3		YD-120-4R3		YD - 160-4R3		YD-200-4R3		YD-250-4R3		YD-350-4R3		YD-500-4R3		
		1st.	2nd.	1st.	2nd.	1st.	2nd.	1st.	2nd.	1st.	2nd.	1st.	2nd.	1st.	2nd.	
射出系統數量	Injection Unit S/N															
射出裝置選項	Injection Unit Option	No.	5220 ~ 12360	5220 ~ 12360	5220 ~ 15380	5220 ~ 15380	5220 ~ 17530	5220 ~ 17530	5220 ~ 23570	5220 ~ 23570	5220 ~ 27700	5220 ~ 27700	5220 ~ 33800	5220 ~ 33800	5220 ~ 49450	
* 鎖模系統	CLAMPING UNIT															
鎖模力	Clamping Force	tf	90 (45 × 2)		120 (60 × 2)		160 (80 × 2)		200 (100 × 2)		250 (125 × 2)		350 (175 × 2)		500 (250 × 2)	
鎖模行程	Clamping Stroke	mm	250		250		300		300		350		400		500	
最大開距	Max. Open Distance	mm	450		450		550		600		650		750		850	
最小模厚	Min. Mold Height	mm	200		200		250		300		300		350		350	
頂出力	Hydraulic Ejector Force	tf	2.7		2.7		2.7		4.5		4.5		5.4		5.4	
頂出高度(模面)	Ejector Stroke	mm	100		100		100		130		150		150		150	
* 容模系統	MOLD UNIT															
轉盤直徑	Rotary Diameter	mm	Φ 856		Φ 980		Φ 1172		Φ 1350		Φ 1550		Φ 1550		Φ 1750	
最大容模尺寸	MAX Mold Size	mm	275 × 275		325 × 325		375 × 375		375 × 375		400 × 400		450 × 450		525 × 525	
		mm	350 × 200		400 × 250		500 × 300		500 × 300		600 × 325		750 × 375		800 × 425	
* 其他	OTHER															
電動機	Drive Motor	kw(hp)	14.9 (20)		18.7 (25)		29.8 (40)		37.3 (50)		44.8 (60)		52.5 (70)		74.6 (100)	
油箱容量	Oil Tank Capacity	L	300		380		560		660		840		1020		1250	
機械尺寸	Dimension of Machine	L(m)	1.9		2.3		2.5		2.7		2.9		3.5		4.5	
		W(m)	1.6		1.9		2.0		2.0		2.4		2.9		3.2	
		H(m)	3.2		3.7		3.9		4.3		4.5		5.0		5.8	
機械重量	Weight of Machine	T	4.5		8.0		10.6		12.4		15.3		23.6		31.2	

射出規格 Injection Specification

國際型號	INT'L NO.	5220				10550				12360				15380				17530				23570				27700				33800				49450				
* 射出系統	INJECTION UNIT																																					
螺桿直徑	Screw Diameter	mm	18	20	22	24	28	30	28	32	36	32	36	40	34	38	42	38	45	50	42	45	50	45	50	55	55	60	65									
射出壓力	Injection Pressure	kgf/cm ²	2052	1663	1374	2333	1714	1493	2009	1538	1215	1914	1512	1225	1932	1546	1266	2080	1483	1201	2000	1742	1411	2126	1722	1423	2083	1750	1491									
理論射出容積	Injection Capacity	cm ³	22	27	32	47	65	74	83	109	137	125	158	195	150	187	229	204	286	353	277	318	393	350	432	523	594	707	830									
最大射出重量	Max. Injection Weight (PS)	gr	19	24	29	43	58	67	75	98	124	112	142	175	135	168	206	184	258	318	249	286	353	315	389	470	535	636	747									
		oz	0.7	0.8	1.0	1.5	2.0	2.4	2.6	3.4	4.4	4.0	5.0	6.2	4.7	5.9	7.2	6.5	9.1	11.2	8.8	10.1	12.4	11.1	13.7	16.6	18.8	22.4	26.3									
射出率	Injection Rate	cm ³ /sec	26	32	39	30	41	47	46	60	76	60	76	94	68	85	104	88	123	152	106	122	151	124	153	185	183	218	255									
射出速度	Injection Speed	mm/s	102				66				75				75				75				77				77				78				77			
電熱	Heater	kw	2.7				4.4				4.9				6.8				7.5				9				11				13				15			

* 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.

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
- 安全門裝置
- 安全光柵

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 / 鈦牙用油路電路裝置
- 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
- 上下模溫預留裝置
- 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

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
- 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
- 頂針 / 座進系統用位置尺
- 頂針壓力流量電腦內部控制
- 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 品質檢測

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

STANDARD ACCESSORIES

- Direct pressure mold, low pressure protection device
- Screw injection (General open-loop injection)
- Multi-stage temperature control of Barrel (3-5 stages)
- Mechanical back-pressure control
- Cooling system
- Double-push-button safety device
- Hydraulic ejector
- Emergency-stop safety switch
- Tools / Manual
- Safety door device
- Safety light curtain

MECHANISM : (OPTIONAL)

- Shut off nozzle
- Core pull / Unscrewing
- Wear-resistant barrel with double alloy
- Bakelite barrel
- Highly refined mixing and special screws and Barrel design
- Ceramic-type electric heating sheet
- Reserve installation for upper & lower molds
- Upper mold ejector device
- Air ejector
- Disc drive: inner ejector
- Dual sliding machine: Middle ejector
- Custom-made special machine project

PERIPHERAL INSTALLATION : (PURCHASED ITEMS)

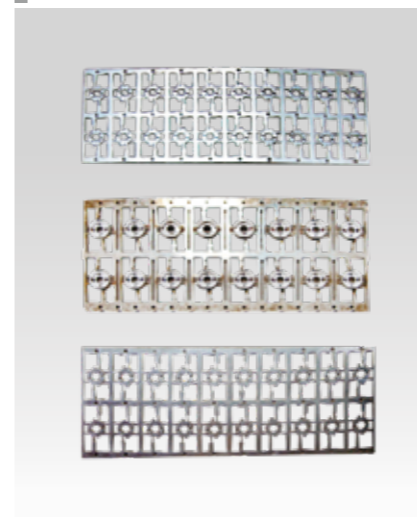
- Grade 1-4 protective electric eye safety devices
- Computer networks devices
- Injection curve display device (closed-loop control)
- Printer (point) and a printer interface board device
- Excess high temperature breaker
- Temperature pre-heat function device
- Position scale design for Ejector system / Nozzle system
- Ejector pressure / Flow control by 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

PERIPHERAL AUXILIARY EQUIPMENT : (PURCHASED ITEMS)

- Hopper dryer / Auto loader
- Gramulator
- Mold temperature controller
- Robot
- Electric heater constant temperature insulation asbestos
- Hydraulic oil

樣品專欄 SAMPLE COLUMN

High-Speed Injection



Consumer Electronics



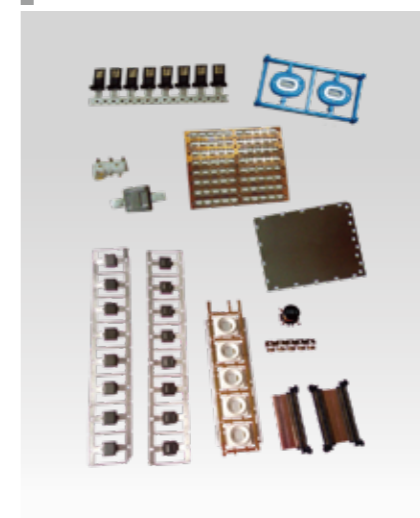
Double Injection



Plug Series



Bakelite & LCP



IMD & IML



Hardware & Household Items



Other



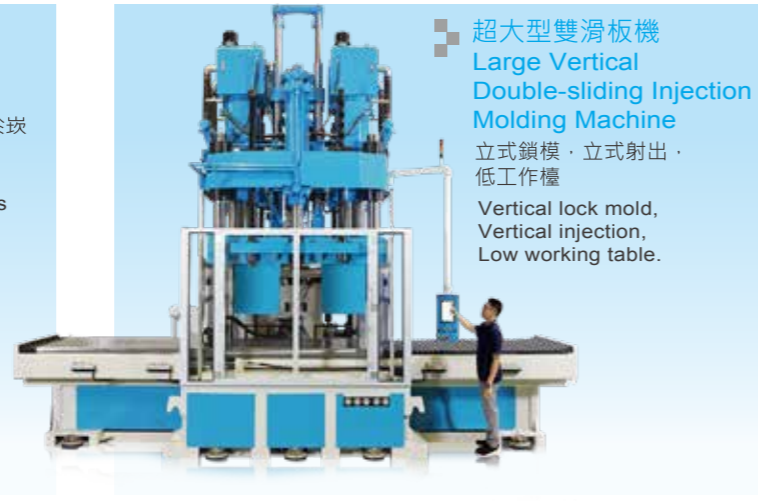
Medical



機種補助概述 MACHINE SUPPLEMENT OVERVIEW



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



■ 超大型雙滑板機
Large Vertical Double-sliding Injection Molding Machine
立式鎖模，立式射出，低工作檯
Vertical lock mold, Vertical injection, Low working table.



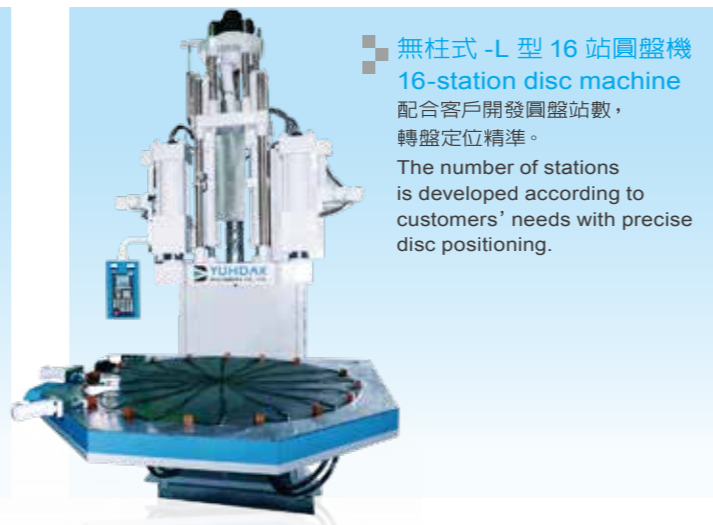
■ 鐵粉成型機
Iron powder molding machine
合模壓力穩定，生產效率高。
Clamping pressure is stable and production efficiency is high.



■ 立式射蠟機
Vertical Wax Injection Machine
配合脫蠟鑄造，立式射出臥式開模
Combining with investment casting, vertical injection horizontal clamping mold.



■ 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.



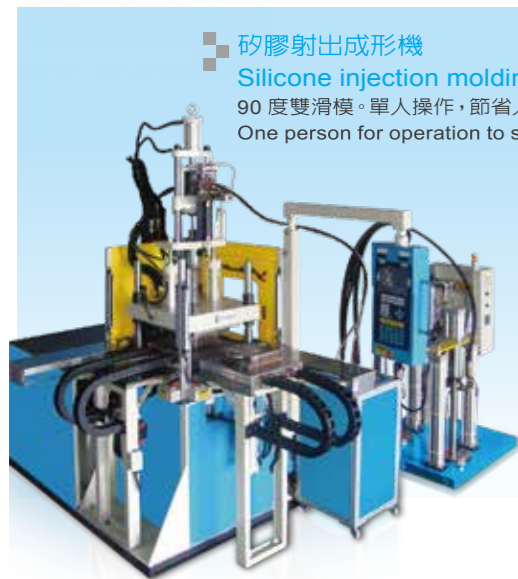
■ 無柱式 - L 型 16 站圓盤機
16-station disc machine
配合客戶開發圓盤站數，轉盤定位精準。
The number of stations is developed according to customers' needs with precise disc positioning.



■ 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.



■ 矽膠射出成型機
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.