



90度雙滑板
90° double-slide table

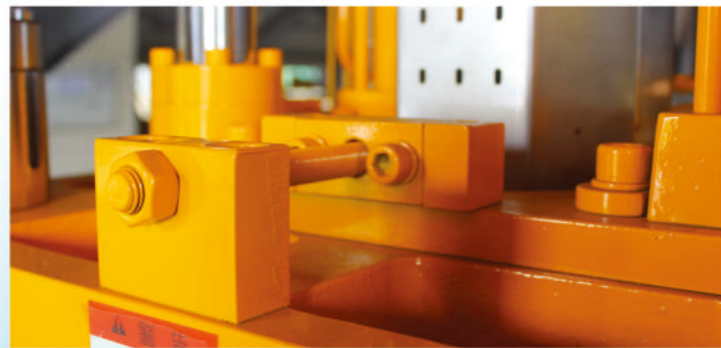
下模作動方式：

標準型：可配合嵌入件自動拉帶裝置在包覆成型後拉出，全自動連續生產。
單滑板：包覆成型後，下模推出方便取出成品，並且可準確放置嵌入件。
90度雙滑板：一個上模可搭配兩個下模運作，節省等待時間，增加產能。

Operation of bottom platen：

Standard：The insert molding could be equipped with lead frame device to reach automatic process.
Single-slide table：After over-molding, the bottom table is easy to be pushed to take out the product, and the insert could be placed accurately.
90° double-slide table：One up platen could be accompanied with two slide tables to save waiting time and enhance the capacity.

標準的射出單元具有對稱的支撐軸心及射嘴接觸力，在射出座移動時相當平穩。此外，可調式的射出座，可增加射嘴與模具的對準度，避免漏料，增加成型的穩定度。
The standard injection unit is provided with symmetrical supporting axis and contacting force of nozzle, which is fairly stable when the injection carriage moves. In addition, the adjustable injection carriage could enhance the alignment accuracy of nozzle and mold to avoid resin spill.



控制系統中，射嘴溫度採用恆溫式SCR透過PID精密控制，減少漏料的機率，增進產能的穩定度。
Nozzle temperature is controlled by SCR constant temperature relay through PID precision control to reduce the probability of resin spill, which can enhance the stability of production capacity.

合模時，採用安全光柵感測有無異物進入，確保操作人員的安全。
To ensure the safety of operator, we use safety grating to detect whether foreign body enters or not during clamping.



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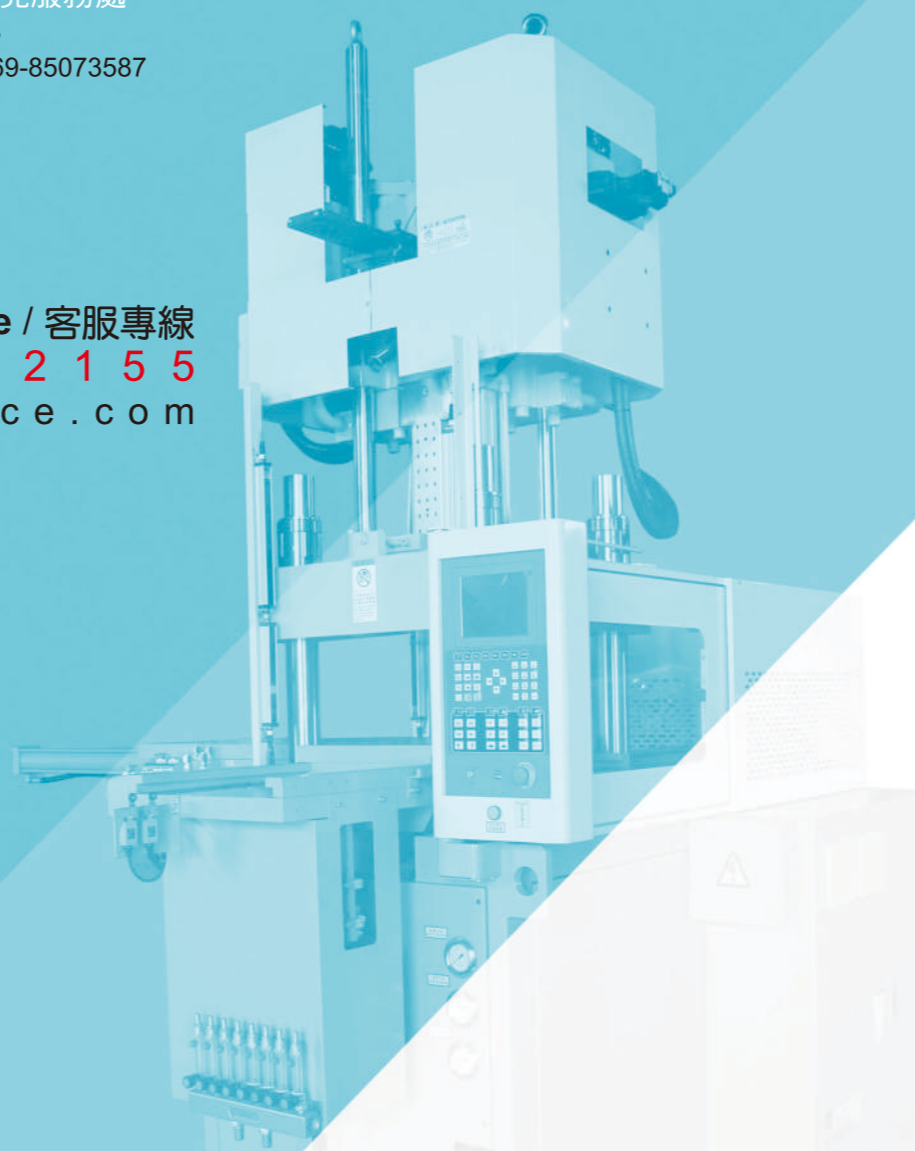
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YEAR-CHANCE

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VF 系列立式射出成型機
VF-SERIES Vertical Injection Molding Machine

VF60.VF90.VF120.VF150.VF200



義展機械股份有限公司
YEAR-CHANCE MACHINERY CO., LTD.

立式射出成型機，提供金屬嵌入成型的機器，下模固定高度，直立合模，方便嵌入件放置。

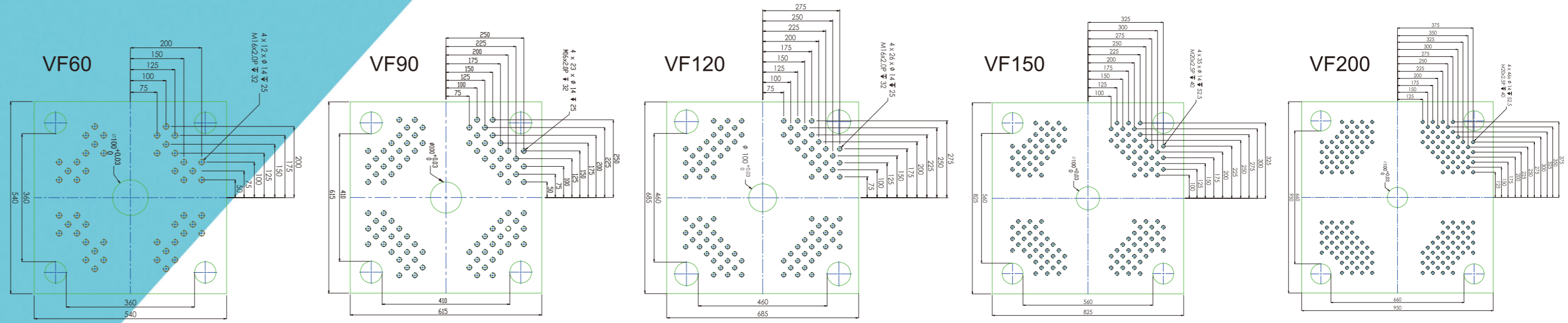
Vertical injection molding machine provides metal insert molding. The height of bottom platen is fixed, and vertical clamping is easy for the insert to be placed.

可依客戶不同類型產品的塑料需求，提供客製化的螺桿及射出系統，以達到高穩定、高品質、高效率的生產品。

According to customer's various requests of product and material, we can provide customized solution of screw and injection system to reach high stability, high quality, and high efficiency production.

各種不同的油壓控制系統，包含一般型、高速型、伺服節能型，依客戶需求提供選配。

According to customer's request, we provide a variety of hydraulic control system, including standard type, high-speed type and energy-saving type.



VF系列 立式射出成型機



VF-SERIES

Vertical Injection Molding Machine

標準型 Model (Standard)				VF60			VF90			VF120			VF150			VF200		
射出系統 Injection system	螺旋桿直徑	Screw Diameter	mm	20	22	25	25	28	32	28	32	36	40	45	50	45	52	60
	射出容積	Injection Volume	cm ³	37	45	58	58	73	96	116	152	193	263	333	412	381	509	678
	射出重量(PS)	Shot Weight (PS)	g	34	42	54	54	68	89	108	141	178	243	308	380	352	470	626
			oz	1.2	1.4	1.9	1.9	2.4	3.1	3.8	4.9	6.3	8.6	10.8	13.4	12.4	16.6	22.1
	可塑化能力	Plasticizing Capacity	kg/hr	7	9	12	12	19	24	24	31	40	62	78	96	86	115	154
	螺桿轉數	Screw Rotation	R.P.M	223			240			253			225			227		
	射出壓力	Injection Pressure	kgf/cm ²	2231	1844	1428	2189	1745	1336	3035	2324	1836	2677	2115	1713	2686	2011	1511
	射出效率	Injection Rate	cm ³ /s	56	68	88	86	108	141	80	105	133	142	180	223	191	256	341
射出速度	Injection Speed	mm/s	180			175			131			113			120			
節能型 Model(Energy-saving)				VF60S			VF90S			VF120S			VF150S			VF200S		
射出系統 Injection system	螺旋桿直徑	Screw Diameter	mm	20	22	25	25	28	32	28	32	36	40	45	50	45	52	60
	射出容積	Injection Volume	cm ³	37	45	58	58	73	96	116	152	193	263	333	412	381	509	678
	射出重量(PS)	Shot Weight (PS)	g	34	42	54	54	68	89	108	141	178	243	308	380	352	470	626
			oz	1.2	1.4	1.9	1.9	2.4	3.1	3.8	4.9	6.3	8.6	10.8	13.4	12.4	16.6	22.1
	可塑化能力	Plasticizing Capacity	kg/hr	10	13	17	15	19	24	24	31	40	59	75	92	76	101	136
	螺桿轉數	Screw Rotation	R.P.M	300			240			253			216			200		
	射出壓力	Injection Pressure	kgf/cm ²	2231	1844	1428	2189	1745	1336	3035	2324	1836	2677	2115	1713	2686	2011	1511
	射出效率	Injection Rate	cm ³ /s	101	122	158	103	129	169	74	97	123	137	174	214	210	281	375
射出速度	Injection Speed	mm/s	323			210			121			109			132			
開關模系統 Clamping system	鎖模力	Clamping Force	Tonf	60			90			120			150			200		
	開模行程	Opening Stroke	mm	250			280			330			350			380		
	最小模厚	Min. Mold Height	mm	250			250			250			300			350		
	最大開模距離	Daylight Open	mm	500			530			580			650			730		
	模板	Platen Dimension	mm	540 x 540			615 x 615			685 x 685			825 x 825			950 x 950		
	支柱內距	Distance between tie-bars	mm	360 x 360			410 x 410			460 x 460			560 x 560			660 x 660		
	托模力	Ejection Force	Tonf	1.75			2.25			2.74			4.8			4.8		
	托模行程	Ejection Stroke	mm	40			50			70			100			120		
動力系統及其他 Power system and others	電機馬達	Motor	HP/KW	10HP / S 11KW			15HP / S 11KW			20HP / S 11KW			30HP / S 15KW			40HP / S 22KW		
	電熱段數	Heating Zone	set	N1+3			N1+3			N1+3			N1+3			N1+4		
	電熱容量	Heating Capacity	KW	3.3			3.7			4.7			8			12.4		
	系統壓力	Max. System Pressure	kg/cm ²	170			170			170			170			170		
	油箱容量	Oil Tank Capacity	L	150			160			220			330			450		
	機械尺寸	Machine Dimension	M(LxWxH)	2 x 2.1 x 3.4			2.2 x 2.4 x 3.5			2.5 x 2.6 x 4.4			2.8 x 3 x 4.5			3.2 x 3.5 x 4.7		
	機械重量	Machine Weight	Ton	3.2			4			6			8			10		

1.射出重量以射出容積為準，以PS塑料比重1.05，假設效率0.88的乘積。 2.OZ為重量單位，1OZ等於28.349g。 3.規格外料管亦可訂做，將根據需求配合機械性能提出建議。 4.基於研發需求，本公司保有修改上述規格之權利，若未減低性能，得不另行通知。

1.Shot weight is based on shot volume multiplied by specific gravity 1.05 of PS with 88% efficiency. 2.OZ is weight units, and 1 OZ is equal to 28.349 grams. 3.Special barrel is also available along with a proposal based on request and machine function. 4.Design and specification are subject to change without prior notice.