

鎖模結構 Clamping mechanism

高剛性結構設計，中置式的鎖模油缸，可使模板及模具變形量降到最低，模具受力也較平均，可減少模具的磨損，且直壓式鎖模結構無由手整修及曲手潤滑油汗等問題。

Rigid structure designed with centralized clamping cylinder to minimize the deformation of platen and mold, the mold would be evenly forced to reduce the attrition. Compared with toggle mechanism, the direct hydraulic clamping mechanism without the problem of toggle wear and lubrication.



射出單元 Injection unit

射嘴接觸力是由兩軸平均施力，避免固定模座發生傾斜現象。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、高效率的生產目的。

The contacting force of injection nozzle is exerted evenly by both axles, which can avoid inclination of fixed platen. According to customer's various requests of products and material, we can provide customized solution of screw and injection system to reach high stability, high quality, and high efficiency production.

射出壓縮 Injection compression

能做多段合模壓力控制，減少成品翹曲及變形，防止厚件成品不規則的收縮，可達成薄件成品的均一厚度，並降低光學產品的內應力。

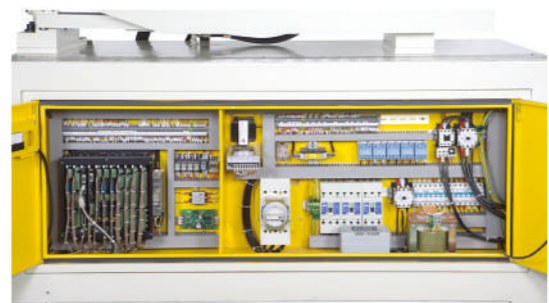
Using multi-zone clamping pressure control function to minimize product warpage and deformation, which can avoid irregular shrinkage of thicker product, reach uniform thickness of thinner product and reduce internal stress of optics product.



電控系統 Control system

1. 高精度的微電腦控制可提供百組以上模組記憶，搭配高應答日本大金 (DAIKIN) 伺服馬達，充分將品質動力傳輸，有效提升昇穩定、高速、精密的產品等級。
2. 電氣箱配置方式簡單且整齊，保養及維修容易。
3. (選配) 除提供觸控式LCD外，可與電腦連線做遠端監控，並做生產管理及流程分析，進而達到整合的目的。

1. Highly accurate controller can provide upwards of hundred module storage, with highly responsive Japanese DAIKIN servo motor to provide adequate transmission for high stability, high speed, and high precision.
2. The layout of cabinet is simple and neat, it is easy to maintain and repair.
3. (Optional) In addition to providing touchable LCD, the controller can be connected with personal computer to do remote control, production management, and process analysis, and thus achieve the purpose of integration.

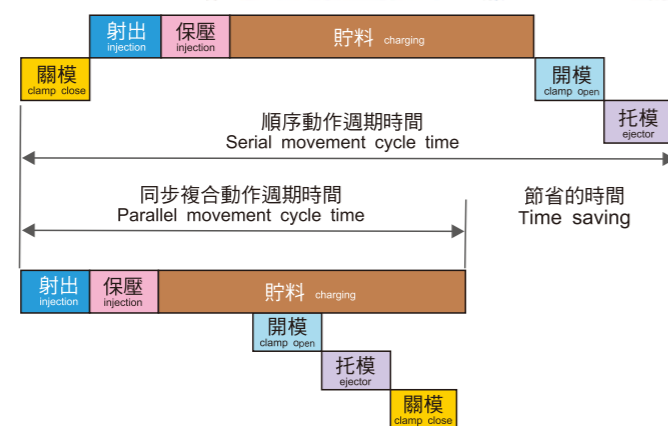
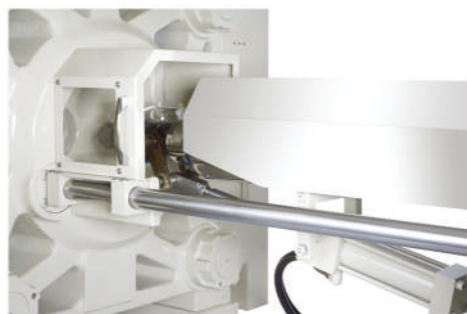


開中儲料同步複合動作 (選配)

Parallel movements, simultaneous actions (Optional)

製作產品不需很長的冷卻時間的情況下，利用同步複合動作，在做儲料動作的同時，進行開模、托模及關模的動作，可有效節省成型週期時間，降低生產成本。

If mold cooling time is less, then simultaneous actions will effectively save cycle time and reduce the production cost as mold open, ejection and mold close can be actuated during charging.



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D系列直壓式射出成型機 D-SERIES Direct Hydraulic Clamping Injection Molding Machine

D60.D90.D120.D160.D200.D300

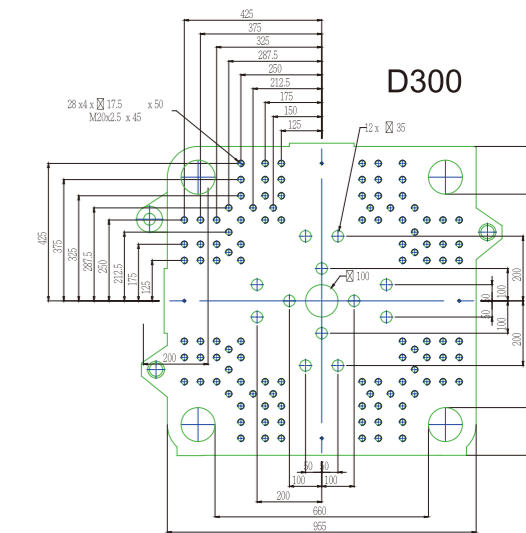
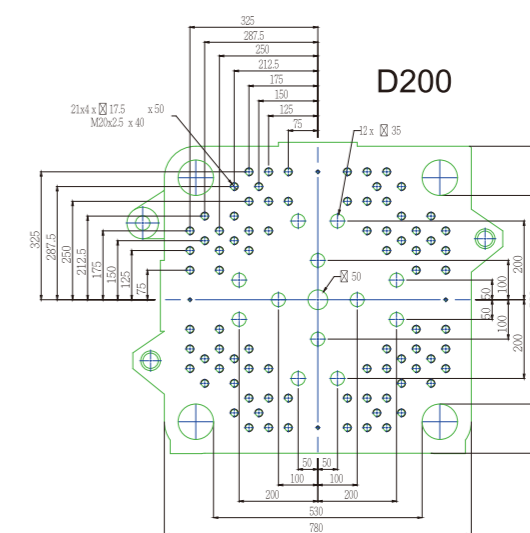
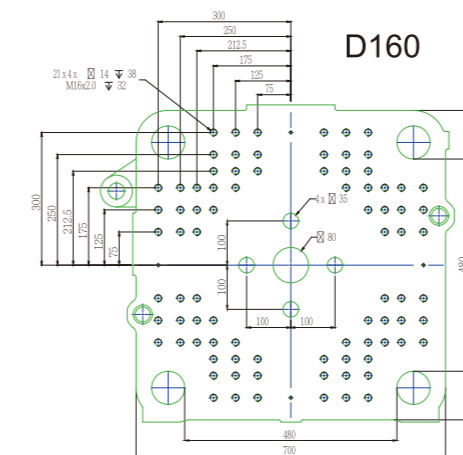
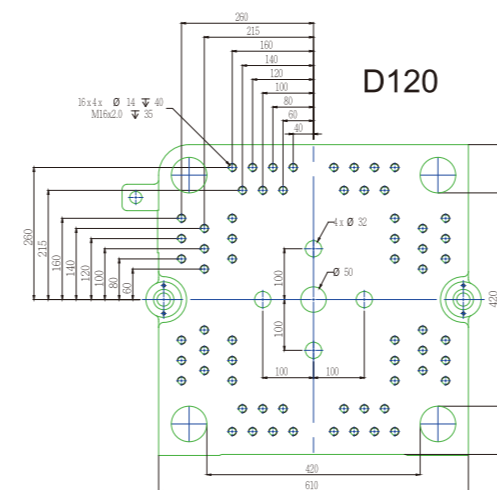


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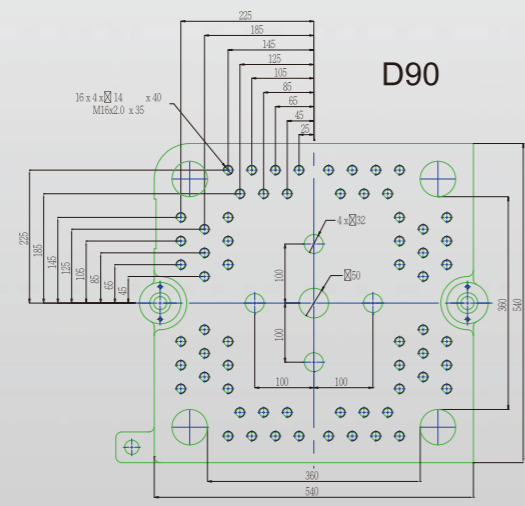
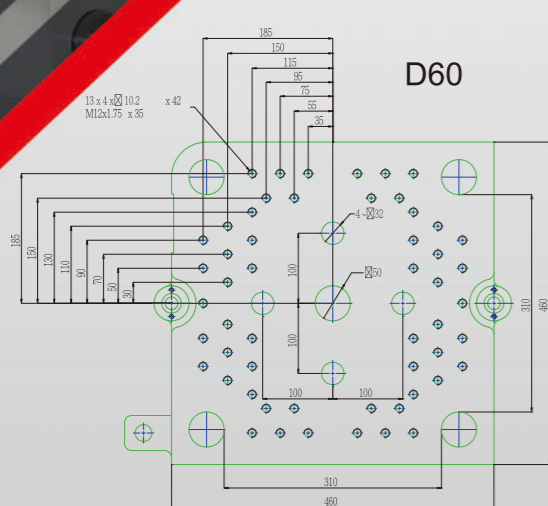


D系列直壓式射出成型機

D-SERIES Direct Hydraulic Clamping Injection Molding Machine



標準型 Model (Standard)				D60			D90			D120			D160			D200			D300		
射出系統 Injection System	螺旋桿直徑	Screw Diameter	mm	22	25	28	25	28	32	30	33	36	35	38	42	40	45	50	45	52	60
	射出容積	Injection Volume	cm ³	46	59	74	74	93	121	127	153	183	192	226	277	301	381	471	477	637	848
	射出重量(PS)	Shot Weight (PS)	g	42	55	68	68	85	112	117	142	169	178	210	256	279	353	436	442	590	785
	可塑化能力	Plasticizing Capacity	kg/hr	13	17	21	22	28	35	34	41	49	57	67	82	91	115	142	114	152	204
	螺桿轉數	Screw Rotation	R.P.M	375			350			305			310			330			300		
	射出壓力	Injection Pressure	kgf/cm ²	2827	2189	1745	2828	2255	1726	2644	2185	1838	2664	2260	1850	2677	2115	1713	2686	2011	1511
	射出效率	Injection Rate	cm ³ /s	67	86	108	88	109	142	115	139	153	164	193	245	210	266	329	255	340	453
射出速度	Injection Speed	mm/s	176			179			163			172			126			126			
節能型 Model (Energy-saving)				D60S			D90S			D120S			D160S			D200S			D300S		
射出系統 Injection system	螺旋桿直	Screw Diameter	mm	22	25	28	25	28	32	30	33	36	35	38	42	40	45	50	45	52	60
	徑射出容積	Injection Volume	cm ³	46	59	74	74	93	121	127	153	183	192	226	277	301	381	471	477	637	848
	射出重量(PS)	Shot Weight (PS)	g	42	55	68	68	85	112	117	142	169	178	210	256	279	353	436	442	590	785
	可塑化能力	Plasticizing Capacity	kg/hr	14	18	22	20	25	32	40	49	58	49	58	71	82	104	129	98	131	176
	螺桿轉數	Screw Rotation	R.P.M	398			314			370			260			300			260		
	射出壓力	Injection Pressure	kgf/cm ²	2827	2189	1745	2828	2255	1726	2644	2185	1838	2664	2260	1850	2677	2115	1713	2686	2011	1511
	射出效率	Injection Rate	cm ³ /s	80	103	129	80	100	131	139	168	200	138	162	199	210	266	329	274	366	487
射出速度	Injection Speed	mm/s	210			163			197			143			168			172			
開關模系統 Clamping system	鎖模力	Clamping Force	Tonf	45			90			120			160			200			300		
	開模行程	Opening Stroke	mm	450			470			520			600			700			850		
	最小模厚	Min. Mold Thickness	mm	170			200			200			250			250			300		
	最大開模距離	Daylight Open	mm	500			670			720			850			950			1150		
	模板	Platen Dimension	mm	460 x 460			540 x 540			610 x 610			700 x 700			780 x 780			955 x 955		
	支柱內距	Distance between tie-bars	mm	310 x 310			360 x 360			420 x 420			480 x 480			530 x 530			660 x 660		
	托模力	Ejection Force	Tonf	2.2			4			5			5.8			7.7			9.6		
托模行程	Ejection Stroke	mm	60			75			85			95			110			130			
動力系統及其他 Power system and others	電機馬達	Motor	HP/KW	15HP / S 11KW			20HP / S 11KW			25HP / S 15KW			30HP / S 15KW			40HP / S 22KW			50HP / S 30KW		
	電熱容量	Heating Capacity	KW	3.5			4.8			5.7			7.7			8			12.4		
	系統壓力	Max. System Pressure	kg/cm ²	170			170			170			170			170			170		
	油箱容量	Oil Tank Capacity	L	250			340			390			490			670			960		
	機械尺寸	Machine Dimension	M(LxWxH)	3.1 x 1 x 1.6			4.1 x 1 x 1.7			4.5 x 1.1 x 1.7			5.1 x 1.2 x 1.8			5.6 x 1.3 x 1.9			6 x 1.5 x 2		
	機械重量	Machine Weight	Ton	2.7			4.1			4.8			5.8			7.6			13		



- 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。
Shot weight is based on shot volume multiplied by specific gravity 1.05 of PS with 88% efficiency.
- OZ為重量單位，1OZ等於28.349g。
OZ is weight units, and 1 OZ is equal to 28.349 grams.
- 規格外料管亦可訂做，將根據需求配合機械性能提出建議。
Special barrel is also available along with a proposal based on request and machine function.
- 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。
Design and specification are subject to change without prior notice.

