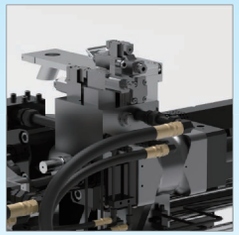
SA SERIES

智能型外曲肘注塑機
Outward Toggle Injection Molding Machine

FCS
www.fcs.com.tw

夾模長度縮短
夾模長度縮短23%，減少占地空間，提升廠房利用率。

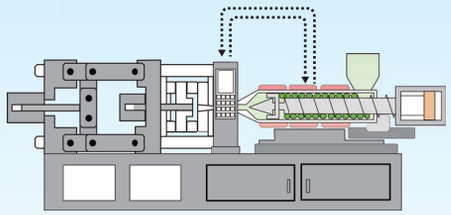
Mold clamping shortened
The length of the mold clamping unit is shortened by 23% and the floor space is reduced, which could improve plant utilization.



系統壓力提升
射出油路板與油缸整合優化，提升射出響應速度，擴大產品應用範圍。

System pressure improvement
The integrated and optimized hydraulic manifold and cylinder, improve the injection response, and expand the product application range.

全閉迴路系統 Closed-loop system



回授螺桿位置於控制器
Screw position feedback to the controller.

高混練螺桿 (選配)
提升L/D比，滿足高射量產品。
(250 ton以上機型增加D螺桿)

High mixing screw (optional)
Improve L/D ratio and meet high injection volume products (and add D-screw choice for models above 250 ton).

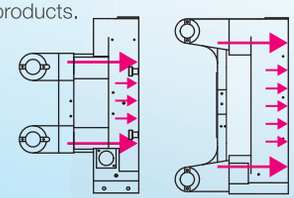


伺服射出全閉迴路
精準控制每模射速，射出時間穩定性 >99.9%，成型品重量穩定性佳。

Servo injection closed-loop system
Accurately controls the injection speed, injection time and shot weight.

活動壁設計優化
- 力流線朝模盤中心集中，可減少模具變形。
- 具強制頂針退回設計功能，滿足模具產品特殊需求。

Moving platen optimization
- The clamping force flows through the center of the moving platen to help reduce mold wear.
- With mandatory ejector retracting design which meets the needs for special products.



SA Series　　HT Series

座進缸前拉設計
減少機架受力，降低變形量，保持穩定射出力。

Injection carriage forward pull design
Reduce the frame deflection, and maintain a stable injection force.

射座線性滑軌
- 負荷輕、減少磨耗，射出控制精準穩定。
- 儲料背壓阻力低，減少熔膠溢流。

Linear guide for the injection carriage
- Lighter load and less abrasion which ensures precise and stable injection.
- Basic charging back pressure to reduce the melt overflow.

SWAN

規格表 Specifications

ITEMS			UNIT	SA-100			SA-125			SA-160			SA-200			SA-250				SA-300			
射出單元 Injection unit	類型	Type	-	300			400			600			850			1050				1400			
	螺桿直徑	Screw diameter	mm	32	36	40	36	40	45	40	45	50	45	50	55	50	55	60	65	55	60	65	70
	射出行程	Screw stroke	mm	160			180			200			220			240				260			
	理論射出容積	Theoretical shot volume	cm^3	129	163	201	183	226	286	251	318	393	350	432	522	471	570	678	796	617	735	862	1000
	理論射出量	Shot weight of injection (PS)	gram	117	148	183	167	206	260	229	289	357	318	393	475	429	519	617	724	562	669	785	910
	射出壓力	Injection pressure	kgf/cm^2	2344	1852	1500	2241	1815	1434	2405	1900	1539	2430	1968	1626	2253	1862	1564	1333	2285	1920	1636	1411
	射出速度	Injection Speed	mm/sec	120			120			120			100			100				110			
	射出率	Injection rate	cm^3/sec	88	111	137	111	138	174	138	174	215	144	178	216	179	216	257	332	238	283	332	385
夾模單元 Mold clamping unit	閉模力	Mold clamping force	tonf	100			125			160			200			250				300			
	夾模行程	Mold clamping stroke	mm	380			450			500			550			600				660			
	模厚	Mold thickness	mm	100~400			125~460			150~530			150~610			180~670				180~730			
	大柱內距	Tie bar spacing (H × V)	mm	370×370			420×420			470×470			530×530			580×580				660×630			
	模盤尺寸	Mold platen (H × V)	mm	555×555			620×620			700×700			780×780			850×850				975×945			
	頂出行程	Ejector stroke	mm	100			120			140			140			150				180			
	頂出力	Ejector force	tonf	3.5			3.5			3.5			6.5			6.5				9			
電氣單元 Electrical equipment	最大油泵動力	Max. pump driving motor	kW(380V)	18			18			27			27			43				43			
	電熱容量	Heater capacity	kW	8.2			9.6			13.3			15.7			18.3				21.2			
其　他 Others	機械尺寸	Machine dimensions (L × W × H)	mm	3910×1320×1655			4200×1400×1700			4570×1560×1850			4725x1500x2030			5480x1665x2200				6015×1845×2110			
	油箱容量	Oil tank capacity	liter	190			230			300			300			370				460			
	最高系統壓力	Max. system pressure	kgf/cm^2	160			160			160			160			160				160			

ITEMS			UNIT	SA-350				SA-400				SA-470			SA-530			SA-600		
射出單元 Injection unit	類型	Type	-	1700				2350				3550			4600			4600		
	螺桿直徑	Screw diameter	mm	60	65	70	75	65	70	75	80	70	80	85	75	85	95	75	85	95
	射出行程	Screw stroke	mm	280				330				380			420			420		
	理論射出容積	Theoretical shot volume	cm^3	791	929	1077	1236	1094	1269	1457	1658	1462	1909	2155	1855	2382	2976	1855	2382	2976
	理論射出量	Shot weight of injection (PS)	gram	720	845	980	1125	996	1155	1326	1509	1330	1737	1961	1688	2168	2708	1688	2168	2708
	射出壓力	Injection pressure	kgf/cm^2	2153	1835	1582	1378	2187	1886	1643	1444	2429	1860	1648	2466	1920	1537	2466	1920	1537
	射出速度	Injection Speed	mm/sec	110				100				110			86			86		
	射出率	Injection rate	cm^3/sec	283	332	385	442	302	350	402	457	385	503	568	347	445	556	347	445	556
夾模單元 Mold clamping unit	閉模力	Mold clamping force	tonf	350				400				470			530			600		
	夾模行程	Mold clamping stroke	mm	720				780				850			900			1000		
	模厚	Mold thickness	mm	180~760				200~760				250~800			300~900			350~950		
	大柱內距	Tie bar spacing (H × V)	mm	720×680				760×730				830x750			850×780			950×810		
	模盤尺寸	Mold platen (H × V)	mm	1065×1025				1115×1085				1215x1165			1265x1235			1360x1220		
	頂出行程	Ejector stroke	mm	180				200				220			240			270		
	頂出力	Ejector force	tonf	11				11				16			16			16		
電氣單元 Electrical equipment	最大油泵動力	Max. pump driving motor	kW(380V)	52				52				86			72			72		
	電熱容量	Heater capacity	kW	24.6				29.4				36			35.2			35.2		
其　他 Others	機械尺寸	Machine dimensions (L × W × H)	mm	6450x2090x2360				7150×2150×2200				7575x2360x2250			8050x2230x2420			8330x2280x2550		
	油箱容量	Oil tank capacity	liter	580				580				830			1200			1200		
	最高系統壓力	Max. system pressure	kgf/cm^2	160				160				160			140			140		

本資料僅供參考，因產品不斷研究改良，設計變更時恕不另作通知。
The features are for reference only. Due to continuous improvements, we reserve the right to amend any of the above specifications without prior notice.

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