

精密注塑機 總合目錄

— Product Introduction —



共塑 美好未來

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家庭五金日用品



建築建材管件



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目錄 Contents

單射出 Single Injection	CT-e	02
	FA	03
	HN	04
	LN	05~06
	SA-h	07
	SA-h PET	08
	SA-p	09
多射出 Multi Injection	CT-R	10
	FB-R	11~12
	FB-T	13
	FB-C	14
	GW-R	15
	GW-R X型	16
	HB-R	17
特殊原料 Special Materials	PET	18
	PVC	19
	HN-U	20
	HN-BMC	21
系統整合 Total Solution	模內貼標 IML	22
	智能製造 iMF4.0	23
	微發泡 MuCell®	24
	富強鑫多組分成型技術發展年表	25

★ 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 your reference only. Due to continuous improvements, we reserve the right to amend any of the above specifications without prior notice.



本機特點

- 採用歐洲伺服系統、控制器和乙太網路總線等高端技術，射出控制精度達0.01mm。
- 採用進口高精密壓力感測器(LoadCell)與高響應射出單元，具優越壓力閉迴路運算控制。
- 射出/射座皆採線性滑軌，控制精準穩定。
- 夾模單元不抱持大柱設計，無污染且低磨損，伺服驅動更低能耗，適合醫療產品。
- 標準配置開模中頂出等同步功能，可縮短成型週期。

Features

- The extreme motion control technology and European servo system, make injection accuracy up to 0.01mm.
- Ensure highly-responsive injection unit offers optimized pressure closed-loop algorithm.
- Carriage is supported by linear guide to ensure precise and stable injection.
- Tie bars are not held by platen to reduce pollution, abrasion and power consumption, which is suitable for medical products.
- Parallel movement of ejector on fly is standard, effectively shorten the cycle time.

ITEMS	UNIT	CT-50e	CT-80e	CT-120e	CT-150e	CT-180e	CT-220e	CT-280e
射出單元 Injection unit								
類型 Type	-	160H	290H	290H	490H	630H	630H	1000H
螺桿直徑 Screw diameter	mm	18 25 30	30 35 40	30 35 40	35 40 45	40 45 50	40 45 50	45 50 55
理論射出量 Shot weight of injection (PS)	gram	30 58 84	106 144 189	106 144 189	166 217 275	240 304 375	240 304 375	355 438 530
射出壓力 Injection pressure	kgf/cm ²	3000	2700 1900	2500 2000 1600	2500 2000 1650	2450 1950 1600	2450 1950 1600	2600 2100 1738
夾模單元 Mold clamping unit								
閉模力 Mold clamping force	tonf	50	80	120	150	180	220	280
夾模行程 Mold clamping stroke	mm	250	290	335	430	440	490	570
模厚 Mold thickness	mm	160-430	180-515	180-515	200-620	200-620	250-680	250-730
大柱內距 Tie bar spacing (H x V)	mm	370x370	420x420	470x470	520x520	560x560	620x620	720x720

ITEMS	UNIT	CT-350e	CT-450e	CT-550e	CT-700e	CT-900e	CT-1100e
射出單元 Injection unit							
類型 Type	-	1400H	2250	2250	3350	5200	6900
螺桿直徑 Screw diameter	mm	50 55 60 65	70 80 85	70 80 85	70 75 80 85	80 90 95	90 95 100
理論射出量 Shot weight of injection (PS)	gram	509 616 733 836	981 1138 1306	981 1138 1296	1487 1692 1809	2058 2605 2721	3359
射出壓力 Injection pressure	kgf/cm ²	2450 2321 1974	2450 2088 1800	2450 2088 1800	2400 2090 1900	2583 2268 1790	3038 2400 1982
夾模單元 Mold clamping unit							
閉模力 Mold clamping force	tonf	350	450	550	700	900	1100
夾模行程 Mold clamping stroke	mm	695	815	900	1000	1200	1300
模厚 Mold thickness	mm	350-800	350-830	380-900	450-1000	450-1100	500-1300
大柱內距 Tie bar spacing (H x V)	mm	820x820	920x920	1020x1020	1120x1120	1220x1220	1330x1300

新一代高效節能注塑機

Advanced Servo Hydraulic Injection Molding Machine

FA SERIES
60-530



本機特點

- 射座線性滑軌，負荷輕、減少磨耗，射出控制精準穩定。
- 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。
- 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。
- 高混練螺桿，提升L/D比，滿足高射量產品(250 ton以上機型增加D螺桿)(選配)。
- 模組化規格選型，提供高速款規格(160-470ton)，彈性化滿足食品包裝、薄壁容器等產業需求。

Features

- Linear guide for injection carriage could lower the wear and tear, and make the injection control precise and stable.
- Servo injection closed-loop system could accurately control the speed of each shot, the injection time stability is >99.9%, and with stable molding product weight.
- The integrated and optimized hydraulic manifold and cylinder, improve the injection response, and expand the product application range.
- High mixing performance screw that improve L/D ratio and meet high injection volume products (and add D-screw choice for models above 250 ton)(optional).
- Optional modular specification, offering the high-speed type for option (160-470ton), to flexibly meet the requirement such as food packaging and thin-walled container industries.

ITEM	UNIT	FA-60	FA-100	FA-125	FA-160	FA-200	FA-250
射出單元 Injection unit							
類型 Type	-	130	300	400	600	850	1050
螺桿直徑 Screw diameter	mm	24 28	32 36 40	36 40 45	40 45 50	45 50 55	50 55 60
理論射出量 Shot weight of injection (PS)	gram	47 64	117 148 183	167 206 260	229 289 357	318 393 475	429 519 617
射出壓力 Injection pressure	kgf/cm ²	2667 1959	2344 1852 1500	2241 1815 1434	2405 1900 1539	2430 1968 1626	2253 1862 1564
夾模單元 Mold clamping unit							
閉模力 Mold clamping force	tonf	600 (60)	1000 (100)	1250 (125)	1600 (160)	2000 (200)	2500 (250)
夾模行程 Mold clamping stroke	mm	270	320	360	430	490	540
模厚 Mold thickness	mm	120-330	150-400	150-460	180-530	200-650	220-680
大柱內距 Tie bar spacing (H x V)	mm	320x320	370x370	420x420	470x470	530x530	580x580

ITEM	UNIT	FA-300	FA-350	FA-400	FA-470	FA-530
射出單元 Injection unit						
類型 Type	-	1400	1700	2350	3550	4850
螺桿直徑 Screw diameter	mm	55 60 65	60 65 70	65 70 75	70 80 85	80 85 90
理論射出量 Shot weight of injection (PS)	gram	562 669 785	720 845 980	996 1155 1326	1330 1737 1961	2057 2323 2604
射出壓力 Injection pressure	kgf/cm ²	2285 1920 1636	2153 1835 1582	2187 1896 1643	2429 1960 1648	2156 1910 1704
夾模單元 Mold clamping unit						
閉模力 Mold clamping force	tonf	3000 (300)	3500 (350)	4000 (400)	4700 (470)	5300 (530)
夾模行程 Mold clamping stroke	mm	590	640	700	780	850
模厚 Mold thickness	mm	230-730	250-760	280-800	320-820	350-860
大柱內距 Tie bar spacing (H x V)	mm	660x630	720x680	760x730	830x810	860x830



本機特點

- 射座模組化，可根據不同射出量選擇大小配型式。
- 新型導柱式射出底座結構，料管移動平穩快速且潔淨。
- 曲肘及車壁採無給油軸承，降低油污及保養成本。
(HN-100~HN-350)
- 標備伺服節能系統，節能效果可達40%~70%。
- 優異的精度控制，成品重量誤差約0.7%~0.4%。

Features

- The injection base is modularized and could choose different matching type in accordance with injection volume.
- It has new type of guide-pillar injection base structure, the material tube does not droop, the movement is smooth and fast, and the cleanliness is high.
- Oil-less bearing on the moving parts of platen and toggle, greatly reduces maintenance cost, and provides for a cleaner production environment. (HN-100~HN-350)
- Adopted FCS servo power-saving system which could reduce the energy consumption up to 70%.
- It has excellent precision control with the weight error of finished product is about 0.7% to 0.4%.

ITEM	UNIT	HN-100	HN-125	HN-150	HN-200	HN-250	HN-300	HN-350	HN-400
射出單元 Injection unit									
類型 Type	-	260	410	550	760	1200	1600	2200	2200
螺桿直徑 Screw diameter	mm	30 34 40	34 40 44	40 44 50	44 50 54	50 54 62	54 62 68	62 68 75	62 68 75
理論射出量 Shot weight of injection (PS)	gram	96 124 171	149 206 249	229 277 357	311 402 469	429 500 659	583 769 925	840 1011 1230	840 1011 1230
射出壓力 Injection pressure	kgf/cm ²	2481 1932 1396	2471 1785 1475	2205 1822 1411	2224 1722 1476	2500 2144 1626	2497 1894 1574	2367 1985 1631	2387 1985 1631
夾模單元 Mold clamping unit									
閉模力 Mold clamping force	tonf	100	125	150	200	250	300	350	400
夾模行程 Mold clamping stroke	mm	350	410	460	510	550	610	645	660
模厚 Mold thickness	mm	120~430	120~490	130~550	200~610	200~670	200~730	200~790	250~800
大柱距 Tie bar spacing (H x V)	mm	355x355	405x405	462x462	505x505	555x555	605x605	680x680	730x730

ITEM	UNIT	HN-470	HN-530	HN-600	HN-750	HN-850	HN-1000	HN-1250	HN-1420	HN-1600
射出單元 Injection unit										
類型 Type	-	3000	4600	4600	5900	7000	8200	10300	13500	13500
螺桿直徑 Screw diameter	mm	68 75 80	75 85 95	75 85 95	85 95 105	95 100 110	100 110 120	110 120 130	120 130 140	120 130 140
理論射出量 Shot weight of injection (PS)	gram	1123 1366 1554	1688 2168 2708	1688 2168 2708	2219 2772 3387	2901 3215 3890	3536 4279 5092	4668 5555 6519	6018 7062 8191	6018 7062 8191
射出壓力 Injection pressure	kgf/cm ²	2440 2006 1763	2466 1920 1537	2466 1920 1537	2445 1957 1602	2199 1985 1640	2117 1749 1470	2008 1687 1438	2053 1750 1509	2053 1750 1509
夾模單元 Mold clamping unit										
閉模力 Mold clamping force	tonf	470	530	600	750	850	1000	1250	1420	1600
夾模行程 Mold clamping stroke	mm	730	800	900	1000	1000	1100	1275	1450	1450
模厚 Mold thickness	mm	250~800	350~900	350~1100	350~1100	350~1200	400~1300	450~1400	500~1500	700~1600
大柱距 Tie bar spacing (H x V)	mm	820x800	840x830	880x880	980x980	1060x1010	1260x1130	1360x1210	1450x1320	1530x1380

二板式精密注塑機

Two-Platen Injection Molding Machine

LN SERIES
500-4000



本機特點

- 開模行程及容模量大，適用產品廣泛，特別是深桶型產品。
- 本機種引進歐洲大廠設計，車壁結構鋼性高，使用壽命長。
- 鎖模機構短，可節省30%以上廠房空間。
- 射出期間加壓缸持續提供補壓，使鎖模力精確，達到誤差值±1%內。
- 鎖模系統無肘節磨耗問題，故可減少潤滑需求與維護成本。

Features

- The mold clamping stroke and capacity are bigger than traditional machines, making the machine suitable to produce more kinds of products especially plastic barrels with deep depth.
- This machine has introduced the design of major companies in Europe. The wall structure has high rigidity with long service life.
- Two-platen structure has shorter clamping unit which saves the factory space more than 30%.
- During the injection, the pressurizing cylinder continues to provide compensating pressure, so that the clamping force is accurate, the error value is within $\pm 1\%$.
- Clamping unit without toggle structure which reduces lubrication and maintenance cost.

ITEM	UNIT	LN-500	LN-700	LN-900	LN-1100
射出單元 Injection unit					
類型 Type	-	4600	5900	7000	5900 7000 8200 10300
螺桿直徑 Screw diameter	mm	75 85 95	85 95 105 95	100 110 85 95 105 95	100 110 120 110 120 130
理論射出量 Shot weight of injection (PS)	gram	1688 2168 2708	2219 2772 3387 2901	3215 3890 2219 2772 3387 2901	3215 3890 3536 4279 5092 4668 5555 6519
射出壓力 Injection pressure	kg/cm ²	2466 1920 1537	2445 1957 1602 2199	1985 1640 2445 1957 1602 2199	1985 1640 2117 1749 1470 2008 1687 1438
夾模單元 Mold clamping unit					
閉模力 Mold clamping force	tonf	500	700	900	1100
夾模行程 Mold clamping stroke	mm	1250/750	1350/800	1600/1000	2050/1400
模厚 Mold thickness	mm	400-900	400-950	500-1100	600-1250
大柱間距 Tie bar spacing (H x V)	mm	910x810	1050x930	1180x1010	1250x1120

ITEM		UNIT		LN-3300								LN-4000							
射出單元 Injection unit																			
類型	Type	-		22100			30900	39400	50000	62600		30900	39400	50000	62600	89100			
螺絲直徑	Screw diameter	mm	140	150	165	170	180	190	200	220	170	180	190	200	220	240			
理論射出量	Shot weight of injection (PS)	gram	10501	12055	14586	19200	21525	25788	32860	45293	19200	21525	25788	32860	45293	64189			
射出壓力	Injection pressure	kgf/cm ²	1920	1673	1382	1511	1348	1390	1389	1259	1511	1348	1390	1389	1259	1292			
夾模單元 Mold clamping unit																			
開模力	Mold clamping force	tonf				3300							4000						
夾模行程	Mold clamping stroke	mm				3200/2200							3500/2400						
模厚	Mold thickness	mm				1000~2000							1000~2100						
大柱內距	Tie bar spacing (H x V)	mm				2300x1900							2400x2050						

薄壁包裝專用機

High-Speed Thin-Wall Injection Molding Machine

SA-h SERIES
170-600



本機特點

- 高剛性模板設計，彈性變形小，成型鎖模力更低。
- 標配KEBA控制系統，動作掃描週期1ms以內。
- 標配紅外奈米加熱圈，升溫快，保溫性能好，節能超過30%。
- 標配高性能伺服動力系統，節能約30%-70%。

Features

- High rigidity platen mechanism, less deformation, lower clamping force.
- Standard equipped with KEBA control system, operation mode scan within 1ms.
- Standard infrared heater, fast heating, good heat preservation, energy saving over 30%.
- Equipped with high performance servo power system, energy saving about 30%-70%.

ITEM	UNIT	SA-170h	SA-220h	SA-290h	SA-330h
射出單元 Injection unit					
類型 Type	-	400	600	770	770
螺桿直徑 Screw diameter	mm	40	45	50	50
理論射出量 Shot weight of injection (PS)	gram	217	333	411	411
射出壓力 Injection pressure	kgf/cm ²	1663	1651	1710	1710
夾模單元 Mold clamping unit					
閉模力 Mold clamping force	tonf	170	220	290	330
夾模行程 Mold clamping stroke	mm	430	500	550	640
模厚 Mold thickness	mm	180-520	200-550	220-580	250-610
大柱內距 Tie bar spacing (H x V)	mm	470x410	530x470	580x515	630x585
ITEM	UNIT	SA-380h	SA-460h	SA-500h	SA-600h
射出單元 Injection unit					
類型 Type	-	900	1000	1000	1100
螺桿直徑 Screw diameter	mm	55	58	58	60
理論射出量 Shot weight of injection (PS)	gram	497	553	553	592
射出壓力 Injection pressure	kgf/cm ²	1655	1707	1707	1712
夾模單元 Mold clamping unit					
閉模力 Mold clamping force	tonf	380	460	500	600
夾模行程 Mold clamping stroke	mm	690	750	790	820
模厚 Mold thickness	mm	250-680	280-730	300-800	300-850
大柱內距 Tie bar spacing (H x V)	mm	670x640	720x720	770x720	830x750



本機特點

- 高剛性模板設計，彈性變形小，成型鎖模力更低。
- 標配KEBA控制系統，動作掃描週期1ms以內。
- 標配紅外奈米加熱圈，升溫快，保溫性能好，節能超過30%。
- 標配高性能伺服動力系統，節能約30%-70%。

Features

- High rigidity platen mechanism, less deformation, lower clamping force.
- Standard equipped with KEBA control system, operation mode scan within 1ms.
- Standard infrared heater, fast heating, good heat preservation, energy saving over 30%.
- Equipped with high performance servo power system, energy saving about 30%-70%.

ITEM	UNIT	SA-220h
射出單元 Injection unit		
類型 Type	-	770
螺桿直徑 Screw diameter	mm	50
理論射出量 Shot weight of injection (PS)	gram	588
射出壓力 Injection pressure	kgf/cm ²	1710
夾模單元 Mold clamping unit		
開模力 Mold clamping force	tonf	220
夾模行程 Mold clamping stroke	mm	500
模厚 Mold thickness	mm	200-550
大柱內距 Tie bar spacing (H x V)	mm	530x470

ITEM	UNIT	SA-290h
射出單元 Injection unit		
類型 Type	-	900
螺桿直徑 Screw diameter	mm	55
理論射出量 Shot weight of injection (PS)	gram	710
射出壓力 Injection pressure	kgf/cm ²	1674
夾模單元 Mold clamping unit		
開模力 Mold clamping force	tonf	290
夾模行程 Mold clamping stroke	mm	550
模厚 Mold thickness	mm	220-580
大柱內距 Tie bar spacing (H x V)	mm	580x515

桶專用注塑機

High-Speed Injection Molding Machine

SA-p SERIES
220-1000



本機特點

- 標配高速比例閥，開模響應更快，定位更準，循環週期短。
- 採用大L/D比，高混煉螺桿，塑化效果好。
- 射台及座移採用雙線軌設計，摩擦阻力低，精度更高。
- 可以實現雙週路動作，最大程度縮短成型週期。

Features

- Standard high-speed proportional valve, with fast mold open response, accurate positioning and short cycle time.
- Adopt large L/D ratio, high mixing screw and good plasticization efficiency.
- The injection unit support adopts high-precision double linear guides, the lower friction resistance, the higher precision.
- It can be realized double loops system, improving production efficiency.

ITEM	UNIT	SA-220p	SA-290p	SA-330p	SA-460p	SA-550p
射出單元 Injection unit						
類型 Type	-	770	900	1100	2500	3900
螺桿直徑 Screw diameter	mm	50	55	60	70	80
理論射出量 Shot weight of injection (PS)	gram	411	497	592	1313	2058
射出壓力 Injection pressure	kg/cm ²	1710	1749	1736	1736	1750
夾模單元 Mold clamping unit						
閉模力 Mold clamping force	tonf	220	290	330	460	550
夾模行程 Mold clamping stroke	mm	500	550	640	750	830
模厚 Mold thickness	mm	200-500	220-580	220-610	290-730	300-800
大柱內距 Tie bar spacing (H x V)	mm	530x470	580x515	630x585	720x720	770x720

ITEM	UNIT	SA-650p	SA-700p	SA-800p	SA-1000p
射出單元 Injection unit					
類型 Type	-	5000e	7600e	7600e	8800e
螺桿直徑 Screw diameter	mm	90	100	100	110
理論射出量 Shot weight of injection (PS)	gram	2605	3931	3931	4757
射出壓力 Injection pressure	kg/cm ²	1762	1764	1764	1692
夾模單元 Mold clamping unit					
閉模力 Mold clamping force	tonf	650	700	800	1000
夾模行程 Mold clamping stroke	mm	930	970	1100	1300
模厚 Mold thickness	mm	410-1000	400-1000	450-1000	500-1000
大柱內距 Tie bar spacing (H x V)	mm	900x810	910x820	1000x870	1090x950



本機特點

伺服轉盤速度可提升30%-50%，縮短成型週期，速度切換快速平穩，並採用獨特的定位系統，定位精度可達0.005°，使射出成型產品更加精密穩定。

智慧模具低壓保護功能，降低壓模危險。

射出部分有兩組或多組獨立料管組，同步做射出動作，大幅縮短成型週期。

線軌摩擦力低，加料時儲料背壓阻力低，有效減少射嘴或熱流道熔膠溢流。

精準控制，加熱控制精度0.1°C並有效分段控制，提升塑化能力；位置控制更可達0.01mm，準確控制動作行程。

Features

- The rate of servo rotary table improved by 30%-50%, which could shorten the cycle time, make switch speed more stable and positioning precision up to 0.005°, and let injection molding products more precise and stable.
- Intelligent mold clamp low-pressure protection, reduces the risk of mold crush.
- Adopting servo motor and multiple independent barrels for injection, greatly shortens the cycle time.
- Linear guide at injection unit makes back pressure approach 0 when charging, reduces the melt overflow.
- Barrel heating zones are accurate to 0.1°C to ensure stable material plasticizing. Screw position is controlled within 0.01mm to precisely control the shot size and cushion position.

ITEM		UNIT	CT-180R					CT-180R					CT-230R			
射出單元		Injection unit														
類型	Type	-	160					160H					290			
螺桿直徑	Screw diameter	mm	18	25	30	35	18	25	30	35	25	30	35	40		
理論射出量	Shot weight of injection (PS)	gram	30	58	84	114	30	58	84	114	74	106	144	189		
射出壓力	Injection pressure	kgf/cm ²	3000	2700	2300	1700	3000	2700	2300	1700	2800	2500	2000	1650		
料管中心距離	Distance between barrel centers	mm	400					400					500			
夾模單元		Mold clamping unit														
閉模力	Mold clamping force	tonf	180					180					230			
夾模行程	Mold clamping stroke	mm	440					440					490			
模厚	Mold thickness	mm	180~550					180~550					200~700			
大柱內距	Tie bar spacing (H x V)	mm	740x450					740x450					960x680			
轉盤容模直徑	Rotary table diameter	mm	900					900					1218			

ITEM		UNIT	CT-230R					CT-280R					CT-280R				
射 出 單 元	Injection unit																
類型	Type	-	290H					290					490				
螺桿直徑	Screw diameter	mm	25	30	35	40	30	35	40	45	30	35	40	45			
理論射出量	Shot weight of injection (PS)	gram	74	106	144	189	106	144	217	275	106	144	217	275			
射出壓力	Injection pressure	kgf/cm ²	2800	2500	2000	1650	2500	2000	2000	1650	2500	2000	2000	1650			
料管中心距離	Distance between barrel centers	mm	500					500					500				
夾 模 單 元	Mold clamping unit																
閉模力	Mold clamping force	tonf	230					280					280				
夾模行程	Mold clamping stroke	mm	490					490					490				
模厚	Mold thickness	mm	200~700					200~700					200~700				
大柱內距	Tie bar spacing (H x V)	mm	960x680					960x680					960x680				
轉盤容模直徑	Rotary table diameter	mm	1218					1218					1218				

轉盤式雙色注塑機

Rotary Table Two-Component Injection Molding Machine

FB-R SERIES
160-1900



本機特點

- 轉盤轉動時與模盤不接觸，避免磨耗造成故障。
- 由伺服電機控制轉盤動作，轉動時間可縮短50%以上，速度切換更平穩。
- 轉盤定位夾具，定位精準，確保模具壽命。
- 配合產品插入功能，亦可成型三色、四色產品，擴大使用範圍。

Features

- When the rotary table rotates, it does not touch the mold plate to avoid wear and tear.
- Rotary table controlled by servo motor could shorten rotary time by more than 50%, with more stable rotary speed switch.
- With accurate rotary positioning clasper, it protects the mold.
- With the product insertion function, three-component and four-component products can also be molded to expand the scope of use.

ITEM		UNIT	FB-160R								FB-200R				FB-230R							
射 出 單 元 Injection unit																						
類型	Type	-	141				201				251				141				201			
螺桿直徑	Screw diameter	mm	22	24	26	26	28	30	32	36	40	22	24	26	26	28	30	32				
理論射出量	Shot weight of injection (PS)	gram	43	51	60	66	77	88	100	153	189	43	51	60	66	77	88	100				
射出壓力	Injection pressure	kgf/cm ²	2929	2461	2097	2791	2406	2096	1842	1456	1179	2929	2461	2097	2791	2406	2096	1842				
料管中心距離	Distance between barrel centers	mm	400				400				200(250)				500							
夾 模 單 元 Mold clamping unit																						
閉模力	Mold clamping force	tonf	160								200				230							
夾模行程	Mold clamping stroke	mm	320								470				400							
模厚	Mold thickness	mm	200-550								200-550				200-650							
大柱內距	Tie bar spacing (H x V)	mm	730x400								530x530				935x420							
有效頂出行程①	Effective ejector stroke ①	mm	70								150				90							
轉盤容模直徑②	Rotary table diameter ②	mm	810								700				990							

ITEM		UNIT	FB-280R														FB-400R													
射 出 單 元	Injection unit																													
類型	Type	-	141				201				401				611				401				611				1301			
螺桿直徑	Screw diameter	mm	22	24	26	26	28	30	32	32	36	40	45	40	45	50	32	36	40	45	40	45	50	55						
理論射出量	Shot weight of injection (PS)	gram	43	51	60	66	77	88	100	146	185	229	289	251	318	393	146	185	229	289	251	318	511	618						
射出壓力	Injection pressure	kg/cm ²	2929	2461	2097	2791	2406	2096	1842	2529	1998	1619	1279	2205	1742	1411	2529	1998	1619	1279	2205	1742	2240	1851						
料管中心距離	Distance between barrel centers	mm	500														550													
夾 模 單 元	Mold clamping unit																													
閉模力	Mold clamping force	tonf	260														400													
夾模行程	Mold clamping stroke	mm	450														600													
模厚	Mold thickness	mm	200-650														200-700													
大柱內距	Tie bar spacing (H x V)	mm	950x540														1100x610													
有效頂出行程①	Effective ejector stroke ①	mm	120														110													
轉盤容模直徑②	Rotary table diameter ②	mm	1050														1200													

ITEM		UNIT	FB-550R										FB-700R													
射 出 單 元		Injection unit																								
類型	Type	-	401				611				1301				401				611				1301			
螺桿直徑	Screw diameter	mm	32	36	40	45	40	45	50	55	32	36	40	45	40	45	50	55	32	36	40	45	50	55		
理論射出量	Shot weight of injection (PS)	gram	146	185	229	289	251	318	511	618	146	185	229	289	251	318	511	618	146	185	229	289	251	318	618	
射出壓力	Injection pressure	kg/cm ²	2529	1998	1619	1279	2205	1742	2240	1851	2529	1998	1619	1279	2205	1742	2240	1851	2529	1998	1619	1279	2205	1742	1851	
料管中心距離	Distance between barrel centers	mm	650										650													
夾 模 單 元		Mold clamping unit																								
閉模力	Mold clamping force	tonf	550										700													
夾模行程	Mold clamping stroke	mm	600										690													
模厚	Mold thickness	mm	320-800										400-900													
大柱內距	Tie bar spacing (H x V)	mm	1196x660										1260x780													
有效頂出行程①	Effective ejector stroke ①	mm	150										150													
轉盤容模直徑②	Rotary table diameter ②	mm	1300										1420													

ITEM		UNIT	FB-850R				☆FB-850R				FB-1000R			
射 出 單 元		Injection unit												
類型	Type	-	1301	3261			401	1301	1301	3261	70			
螺桿直徑	Screw diameter	mm	50	60	70		30	45	50	60	70			
理論射出量	Shot weight of injection (PS)	gram	511	874	1400		129	414	511	874	1400			
射出壓力	Injection pressure	kg/cm ²	2240	2882	2117		2878	2765	2240	2882	2117			
料管中心距離	Distance between barrel centers	mm	650				650				710			
夾 模 單 元		Mold clamping unit												
閉模力	Mold clamping force	tonf	850				850				1000			
夾模行程	Mold clamping stroke	mm	1000				1000				1080			
模厚	Mold thickness	mm	500-1050				500-1050				550-1350			
大柱內距	Tie bar spacing (H x V)	mm	1060x1010				1060x1010				1260x1130			
有效頂出行程①	Effective ejector stroke ①	mm	145				145				140			
轉盤容模直徑②	Rotary table diameter ②	mm	1460				1460				1570			

ITEM		UNIT	FB-1250R						FB-1420R								
射 出 單 元		Injection unit															
類型	Type	-	1301			3261			1301			3261			5001		
螺桿直徑	Screw diameter	mm	50	60	70	80	90	50	60	70	80	90	100	110	120	130	140
理論射出量	Shot weight of injection (PS)	gram	511	874	1400	2057	2604	511	874	1400	2057	2604	5001	2057	2604	3261	5001
射出壓力	Injection pressure	kg/cm ²	2240	2882	2117	2878	2765	2240	2882	2117	2878	2765	2240	2882	2117	2878	2765
料管中心距離	Distance between barrel centers	mm	710												710		
夾 模 單 元		Mold clamping unit															
閉模力	Mold clamping force	tonf	1250												1420		
夾模行程	Mold clamping stroke	mm	1200												1400		
模厚	Mold thickness	mm	600-1400												700-1600		
大柱內距	Tie bar spacing (H x V)	mm	1360x1210												1460x1330		
有效頂出行程①	Effective ejector stroke ①	mm	140												140		
轉盤直徑②	Rotary table diameter ②	mm	1800												1900		

轉軸式雙色注塑機

Rotary Shaft Two-Component Injection Molding Machine

FB-T SERIES
160-600



本機特點

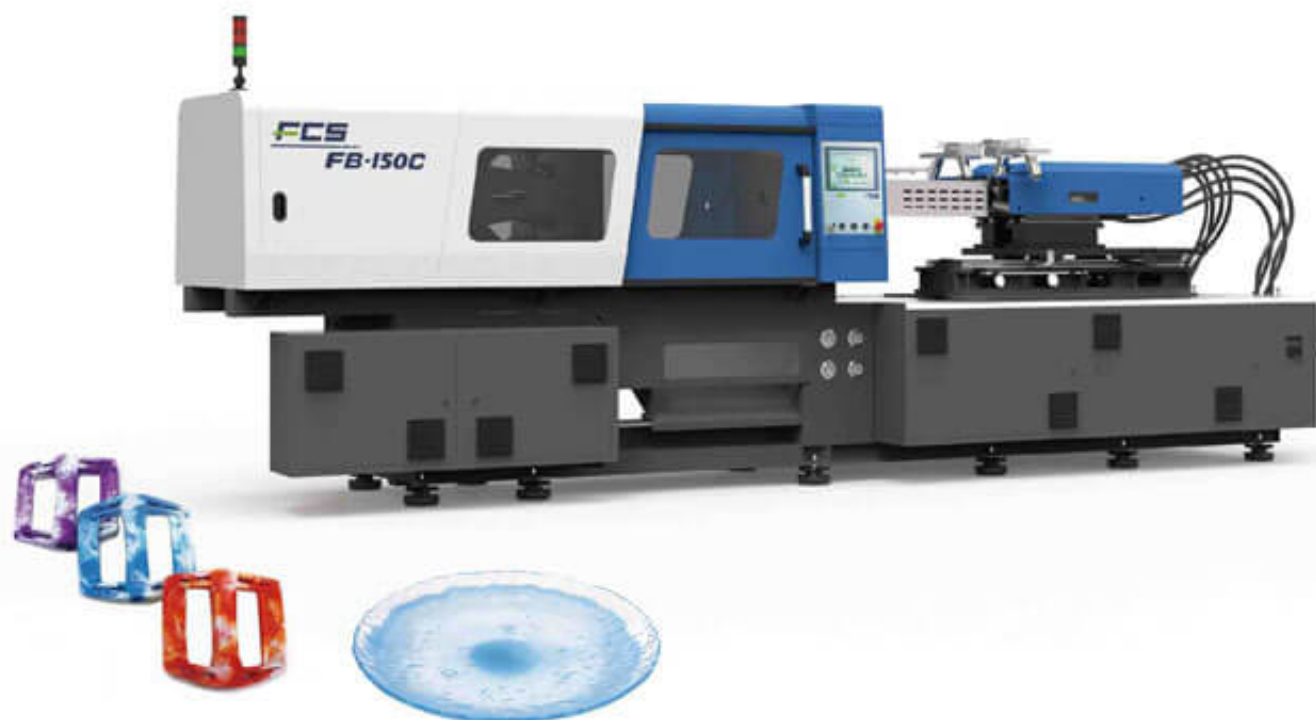
- 活動車壁上有往復180度旋轉之轉盤，可生產雙色分明之產品。
- 機器動作可依產品需求，做托模再轉動轉盤，或先轉動轉盤再托模。
- 射出及夾模均採用線性電位計，可精確控制，準度達0.1mm。

Features

- There is a reciprocating 180-degree rotary table on the wall of moving car, which can produce two-component products.
- According to the request of product, the machine with flexibility could do ejection then turn the rotary table or turn rotary table first then do the ejection action as well.
- Both injection and clamp adopt linear potentiometer, which can be precisely controlled with the precision of 0.1mm.

ITEM		UNIT	FB-160T				FB-220T				FB-250T			
射出單元 Injection unit														
類型 Type		-	201				401				201			
螺桿直徑 Screw diameter	mm		26	28	30	32	42	45			32		42	
理論射出量 Shot weight of injection (PS)	gram		66	77	88	100	252	289			100		252	
射出壓力 Injection pressure	kgf/cm ²		2791	2406	2096	1842	1468	1279			1842		1468	
料管中心距離 Distance between barrel centers	mm		400				300				300			
夾模單元 Mold clamping unit														
閉模力 Mold clamping force	tonf		160				220				250			
夾模行程 Mold clamping stroke	mm		320				450				530			
模厚 Mold thickness	mm		200~570				200~500				200~580			
大柱內距 Tie bar spacing (H x V)	mm		730x400				520x460				580x580			

ITEM		UNIT	FB-280T				FB-400T		FB-600TW	
射出單元 Injection unit										
類型	Type	-	401				401	1301	1600	550
螺桿直徑	Screw diameter	mm	32	36	40	45	36	50	68	50
理論射出量	Shot weight of injection (PS)	gram	146	185	229	289	185	511	925	357
射出壓力	Injection pressure	kgf/cm ²	2529	1998	1619	1279	1998	2240	1574	1411
料管中心距離		Distance between barrel centers	500				550		160	
夾模單元 Mold clamping unit										
閉模力	Mold clamping force	tonf	280				400		600	
夾模行程	Mold clamping stroke	mm	450				600		900	
模厚	Mold thickness	mm	250~700				250~700		200~1000	
大柱內距	Tie bar spacing (H x V)	mm	950x540				1100x610		880x880	



本機特點

- 兩組射出機構為獨立設計，可任意變換設定不同壓力速度，進而產生不同花紋變化。
- 對內外層不同塑料之產品，可取代二次加工改為一次成型。
- 普通單色模亦可使用本機種射出，而變成多色產品。

Features

- The two sets of injection machine are designed independently and can be set to different pressure speeds, which can generate different pattern changes.
- For products with different outer and inner-layer materials, traditional two-step insert molding becomes one-step.
- Ordinary monochrome mold can also use the type of injection, and become multi-component products.

ITEM		UNIT	FB-100C		FB-150C	
射出單元		Injection unit				
類型	Type	-	201	201	201	201
螺絲直徑	Screw diameter	mm	28	30	30	32
理論射出量	Shot weight of injection (PS)	gram	77	88	88	100
射出壓力	Injection pressure	kgf/cm ²	2406	2096	2096	1842
夾模單元		Mold clamping unit				
閉模力	Mold clamping force	tonf	100		150	
夾模行程	Mold clamping stroke	mm	350		460	
模厚	Mold thickness	mm	100-430		130-550	
大柱內距	Tie bar spacing (H x V)	mm	355x355		462x462	
ITEM		UNIT	FB-250C		FB-350C	
射出單元		Injection unit				
類型	Type	-	401	401	1301	1301
螺絲直徑	Screw diameter	mm	40	40	50	50
理論射出量	Shot weight of injection (PS)	gram	229	229	511	511
射出壓力	Injection pressure	kgf/cm ²	1619	1619	2240	2240
夾模單元		Mold clamping unit				
閉模力	Mold clamping force	tonf	250		350	
夾模行程	Mold clamping stroke	mm	550		645	
模厚	Mold thickness	mm	200-670		200-790	
大柱內距	Tie bar spacing (H x V)	mm	555x555		680x680	

二板式多組分注塑機

Two-Platen Multi-Component Injection Molding Machine

GW-R SERIES
1000-2900



本機特點

- 轉盤採用伺服電機控制，運轉高速，與插銷機構實現六位置雙重精確定位，保證轉盤迴轉精度，並可實現兩工位、三工位、四工位多組分射出成型。
- 搭配比例閥開關模和頂出，中子同動功能，可滿足精確開合模控制及週期快速需求。
- 高強度分離式滑腳結構設計，提升活動範本承載能力和穩定性。
- 二板式夾模單元配置抽大柱功能，方便換模，佔地空間小，有益於工廠空間配置。

Features

- The turntable is controlled by servomotor, and runs at high speed. The latch mechanism realizes the double accurate positioning of six positions, ensuring the rotation accuracy of the turntable. Multi-component injection molding of two stations, three stations and four stations can be realized.
- Matched with the proportional valve switch mold and ejector, and the neutron simultaneous function, the machine can meet the needs of accurate opening and closing mode control and fast cycle.
- The high-strength separate sliding foot structure design improves the bearing capacity and stability of the movable mold plates.
- The two-platen clamping unit is equipped with the function of removing tie bars. It makes mold replacement convenient and occupies a small space, which is beneficial to the factory space configuration.

ITEM		UNIT	GW-1000R				GW-1200R				GW-1400R				GW-1600R							
射出單元 Injection unit																						
類型 Type	-		1301		3261		1301		3261		1301		3261		5001		1301		3261		5001	
螺桿直徑 Screw diameter	mm		45	50	60	70	45	50	60	70	45	50	60	70	80	90	45	50	60	70	80	90
理論射出量 Shot weight of injection (PS)	gram		414	511	874	1400	414	511	874	1400	414	511	874	1400	2057	2604	414	511	874	1400	2057	2604
射出壓力 Injection pressure	kgf/cm ²		2765	2240	2882	2117	2765	2240	2882	2117	2765	2240	2882	2117	2198	1737	2765	2240	2882	2117	2198	1737
料管中心距離 Distance between barrel centers	mm		710				710				710				710							
夾模單元 Mold clamping unit																						
閉模力 Mold clamping force	tonf		1000				1200				1400				1600							
夾模行程 Mold clamping stroke	mm		2200~1400				2300~1500				2400~1500				2400~1500							
模厚 Mold thickness	mm		550~1350				600~1400				700~1600				700~1600							
大柱內距 Tie bar spacing (H x V)	mm		1260x1130				1360x1230				1460x1360				1530x1380							

ITEM		UNIT	GW-1800R								GW-2200R								GW-2400R								GW-2900R							
射出單元	Injection unit																																	
類型	Type	-	1301		3261		5001		1301		3261		5001		1301		3261		5001		1301		3261		5001									
螺桿直徑	Screw diameter	mm	45	50	60	70	80	90	45	50	60	70	80	90	45	50	60	70	80	90	45	50	60	70	80	90								
理論射出量	Shot weight of injection (PS)	gram	414	511	874	1400	2057	2604	414	511	874	1400	2057	2604	414	511	874	1400	2057	2604	414	511	874	1400	2057	2604								
射出壓力	Injection pressure	kgf/cm ²	2765	2240	2882	2117	2198	1737	2765	2240	2882	2117	2198	1737	2765	2240	2882	2117	2198	1737	2765	2240	2882	2117	2198	1737								
料管中心距離	Distance between barrel centers	mm	710								710								710								710							
夾模單元	Mold clamping unit																																	
閉模力	Mold clamping force	tonf	1800								2200								2400								2900							
夾模行程	Mold clamping stroke	mm	2550-1650								3200-2000								3200-2000								3500-2200							
模厚	Mold thickness	mm	700-1600								800-2000								800-2000								900-2200							
大柱內距	Tie bar spacing (H x V)	mm	1870x1450								2000x1600								2100x1700								2300x1900							



本機特點

- X型四射呈矩形四角分佈，射出單元結構集中緊湊，布局彈性，可滿足多種產品成型需求。
- 每組射出搭配高精度閉環控制技術，提高重複精度，優化產品品質。
- 四組射出單元可適應多種模具需求，彈性變化使用的射出單元，可進行雙色、三色、四色產品的效率化彈性生產，無需進行射出單元的移動或更換。
- 超大直徑垂直轉盤及迴轉空間，通過特殊的軸承組設計，可承載達25噸模組。

Features

- The X-type four-injection units are distributed in rectangular four corners, the injection unit structure is concentrated and compact, and the layout is flexible, which can meet the molding needs of a variety of products.
- Each injection unit is equipped with high-precision closed-loop control technology to improve repetition accuracy and optimize product quality.
- The four injection units can be adapted to a variety of mold requirements and can be flexibly selected. Two-component, three-component, and four-component products can be efficiently and flexibly produced without moving or changing the injection units.
- The machine has large-diameter vertical turntable and rotation space, which can carry up to 25 tons of modules through a special bearing pack design.

ITEM		UNIT	GW-1600Rp X型			
射出單元		Injection unit				
類型	Type	-	3261	1301	1301	1301
螺桿直徑	Screw diameter	mm	70	45	45	50
理論射出量	Shot weight of injection (PS)	gram	1400	318	318	393
射出壓力	Injection pressure	kgf/cm ²	2083	2765	2765	2240
料管中心距離	Distance between barrel centers	mm		600x600		
夾模單元		Mold clamping unit				
閉模力	Mold clamping force	tonf		1600		
夾模行程	Mold clamping stroke	mm		2550~1650		
模厚	Mold thickness	mm		700~1600		
大柱內距	Tie bar spacing (H x V)	mm		1870x1450		

ITEM		UNIT	GW-2200R X型			
射出單元		Injection unit				
類型	Type	-	3261	1301	1301	1301
螺桿直徑	Screw diameter	mm	70	45	45	50
理論射出量	Shot weight of injection (PS)	gram	1190	318	318	393
射出壓力	Injection pressure	kgf/cm ²	2083	2765	2765	2240
料管中心距離	Distance between barrel centers	mm		600x600		
夾模單元		Mold clamping unit				
閉模力	Mold clamping force	tonf		2200		
夾模行程	Mold clamping stroke	mm		3200~2000		
模厚	Mold thickness	mm		800~2000		
大柱內距	Tie bar spacing (H x V)	mm		2000x1600		

大型水平轉盤雙色注塑機

Large Horizontal Rotary Table Two-Component Injection Molding Machine

HB-R SERIES
350-3500



本機特點

- 二組對射式射出單元，單色及雙色重模成型，可一機二用。
- 水平式旋轉盤，降低傳統的慣性問題及重力影響。
- 水平轉盤定位快速，設有安全定位裝置。
- 具模具高承載重量，適用雙色中、大型產品，特別是汽車零組件。
- 具特殊製程之整合性，如搭配特殊四面模具，即可形成疊層模(Stack mold)。

Features

- Its dual-colored injection capabilities could applicable for both single and double component products to increase machine capabilities.
- A horizontal rotary platen decreases issues coming from gravity and inertia.
- Its swivel unit provides quick positioning and is equipped with numerous safety features.
- High loading capacity and self-supporting swivel unit to hold a maximum mold weight of up to 30 tons. Suitable for two-colored, large products like automotive exterior components.
- With a special process integration, such as a special four-sided mold, then can form a stack mold.

ITEM	UNIT	HB-350R		HB-550R		HB-900R	
射出單元	Injection unit						
螺桿標記	Screw type	-	A	B	A	B	A
螺桿直徑	Screw diameter	mm	54	54	62	54	75
理論射出量	Shot weight of injection (PS)	gram	583	583	840	583	1688
射出壓力	Injection pressure	kgf/cm ²	2497	2497	2387	2497	2466
夾模單元	Mold clamping unit						
閉模力	Mold clamping force	tonf	350		550		900
夾模行程	Mold clamping stroke	mm	1600		1600		2400
模厚	Mold thickness	mm	400-600	400-600	600-750	600-750	600-1000
大柱內距	Tie bar spacing (H x V)	mm	680x680		910x810		1120x1120

ITEM	UNIT	HB-1400R		HB-1900R		HB-2400R		HB-3500R	
射出單元	Injection unit								
螺桿標記	Screw type	-	A	B	A	B	A	B	A
螺桿直徑	Screw diameter	mm	85	54	85	54	110	95	110
理論射出量	Shot weight of injection (PS)	gram	2219	583	2219	583	4668	2901	4668
射出壓力	Injection pressure	kgf/cm ²	2445	2497	2445	2497	2008	2199	2008
夾模單元	Mold clamping unit								
閉模力	Mold clamping force	tonf	1400		1900		2400		3500
夾模行程	Mold clamping stroke	mm	3650		4000		4200		4950
模厚	Mold thickness	mm	600-1600	600-1600	650-1650	650-1650	800-1800	800-1800	950-2050
大柱內距	Tie bar spacing (H x V)	mm	1550x1350		1800x1550		2000x1700		2300x1900



本機特點

- PET專用料管設計，加大螺桿外徑及LD比，提高射出量及加料速度。
- 主要生產24-96穴瓶胚，配置電動加料，形成雙迴路同動（邊開模邊加料），成型週期縮短約4-6秒。
- 可搭配模具、吹瓶、充填、包裝等設備，提供客戶整廠需求解決方案。
- 機種應用廣泛，可生產各式PET瓶胚，如：水瓶、熱充填瓶、油瓶、廣口瓶及5加侖大型瓶胚等。

Features

- PET special material design, increase the screw diameter and LD ratio, increase the injection volume and feed rate.
- It mainly products of 24 to 96 preforms, with the configuration of electric feeding, forming a double loop with the same action (as mold opening as feeding), molding cycle shortened about 4 to 6 seconds.
- It can be used with molds, blow bottles, filling, packaging and other equipment to provide customers with whole plant demand solutions.
- This series is great for producing various PET preforms, such as water bottles, hot-filled bottle, cooking oil bottles, wide mouth bottles, and 5- gallon large performs, etc.

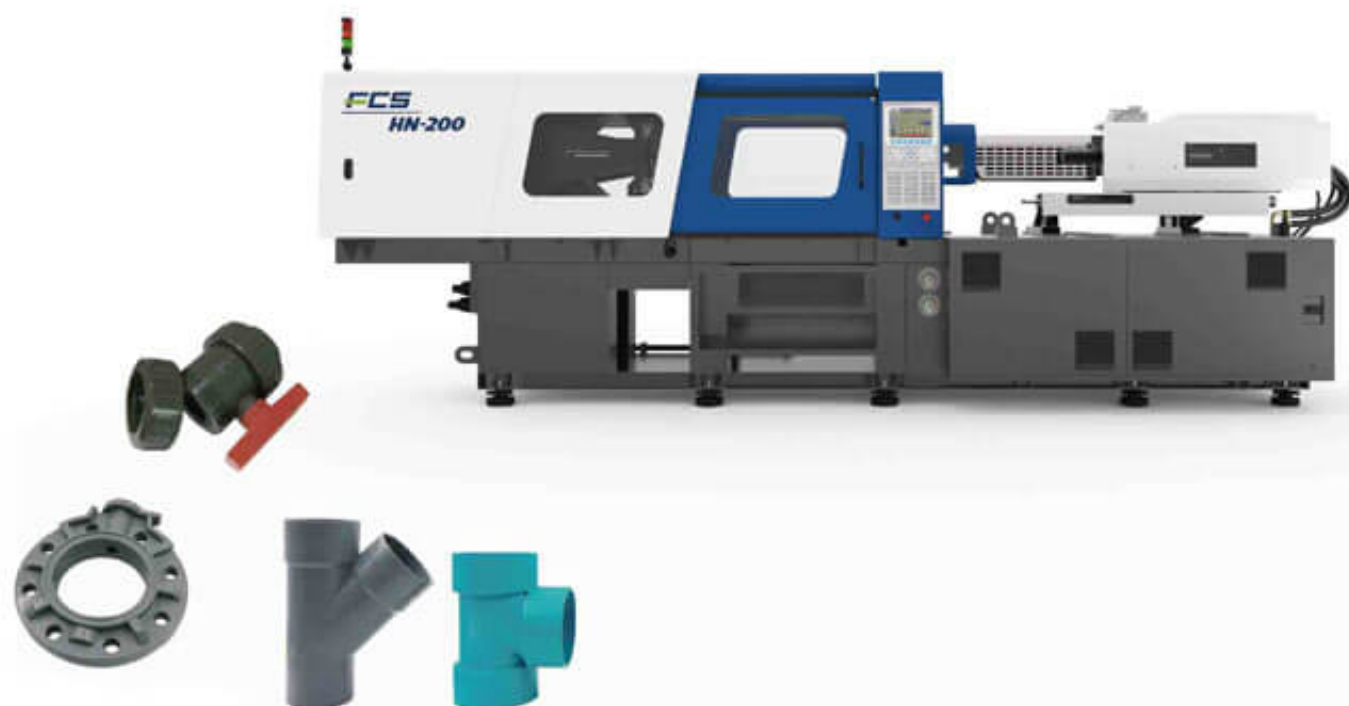
ITEM	UNIT	HN-150P	HN-250P	HN-300P
射出單元 Injection unit				
類型 Type	-	550	1200	1600
螺桿直徑 Screw diameter	mm	50	62	68
理論射出量 Shot weight of injection (PET)	gram	432	797	1118
射出壓力 Injection pressure	kgf/cm ²	1411	1626	1574
夾模單元 Mold clamping unit				
夾模行程 Mold clamping stroke	mm	460	550	610
模厚 Mold thickness	mm	130-550	200-670	200-730
大柱內距 Tie bar spacing (H x V)	mm	462x462	555x555	605x605

ITEM	UNIT	HN-350P	HN-470P	HN-600P
射出單元 Injection unit				
類型 Type	-	2200	3000	4600
螺桿直徑 Screw diameter	mm	80	90	95
理論射出量 Shot weight of injection (PET)	gram	1691	2378	3273
射出壓力 Injection pressure	kgf/cm ²	1434	1393	1537
夾模單元 Mold clamping unit				
夾模行程 Mold clamping stroke	mm	645	730	900
模厚 Mold thickness	mm	200-790	250-800	350-1100
大柱內距 Tie bar spacing (H x V)	mm	680x680	820x800	880x880

PVC專用注塑機

PVC Pipe Fitting Injection Molding Machine

HN SERIES / PVC
100-1000



本機特點

- PVC (含UPVC或CPVC) 專用料管組，採用鍍硬鉻螺桿組，耐腐蝕性佳。
- 獨立料管風機溫控，風機各段獨立控制，防止塑料過熱裂解、碳化。
- 安全門鉸金加寬設計，可配合客戶需求進行客製化。(選配)
- 大扭矩塑化馬達，專為高黏度PVC (UPVC)所設計，確保塑化過程及熔膠穩定性。
- 標配雙中子迴路(一公一母)，提供模具抽芯使用。

Features

- Specially-designed barrel set for PVC, UPVC, or CPVC processing, nitrided screw tip provides longer life against corrosive PVC processing.
- Independent-controlled blowers on barrel zone prevents thermal degradation of heat sensitive PVC material resulting in black spot on the product.
- Customized safety gate extension allows the customer to use wider range of mold. (Optional)
- Larger torque charging motor, specially-designed barrel set for high viscosity PVC (UPVC) processing ensures the melt stability and excellent plasticizing.
- Standard features with two core pull to connect with core cylinder of molds.

ITEM	UNIT	HT-100PVC	HT-125PVC	HT-150PVC	HT-200PVC	HT-250PVC	HT-300PVC	HT-350PVC
射出單元 Injection unit								
螺桿直徑 Screw diameter	mm	40	44	44	50	54	62	68
理論射出量 Shot weight of injection (PVC)	gram	301	365	365	471	659	869	1014
射出壓力 Injection pressure	kgf/cm ²	2205	1822	1822	1411	2144	1626	1894
夾模單元 Mold clamping unit								
閉模力 Mold clamping force	tonf	100	125	150	200	250	300	350
夾模行程 Mold clamping stroke	mm	350	410	460	510	550	610	645
模厚 Mold thickness	mm	120-430	120-490	130-550	200-610	200-670	200-730	200-790
大柱內距 Tie bar spacing (H x V)	mm	355x355	405x405	462x462	505x505	555x555	605x605	680x680

ITEM	UNIT	HT-400PVC	HT-470PVC	HT-530PVC	HT-600PVC	HT-750PVC	HT-850PVC	HT-1000PVC
射出單元 Injection unit								
螺桿直徑 Screw diameter	mm	68	75	85	95	95	105	110
理論射出量 Shot weight of injection (PVC)	gram	1333	1621	2225	2858	3571	4466	5129
射出壓力 Injection pressure	kgf/cm ²	1985	1631	2466	1920	1537	1920	1602
夾模單元 Mold clamping unit								
閉模力 Mold clamping force	tonf	400	470	530	600	750	850	1000
夾模行程 Mold clamping stroke	mm	660	730	800	900	1000	1000	1100
模厚 Mold thickness	mm	250-800	250-800	350-900	350-1100	350-1100	350-1200	400-1300
大柱內距 Tie bar spacing (H x V)	mm	730x730	820x800	840x830	880x880	980x980	1060x1010	1260x1130



本機特點

- 適用於熱固性成型材料，且可由熱固性轉換為熱可塑性機。
- 採用熱固性原料專用螺桿與料管，特別選用耐腐蝕及耐磨耗材質。
- 容積式電動注油裝置，潤滑效果良好，確保機器精密度。
- 拔心和轉牙裝置具有多項功能設計，適用各種模具。

Features

- Suitable for the thermosetting plastic and exchangeable between thermo-plastic and thermosetting barrel.
- Specialized screw and barrel for thermosetting, special treated steel of barrel set for anti-erosion and wear when using thermosetting material.
- Fully automatic lubrication device ensures excellent lubrication and assures machines' accuracy.
- Core pull and unscrewing device has multi-sequence design, suitable for all kinds of molds.

射出單元	Injection unit	UNIT	HN-125U		HN-150U		HN-200U	HN-250U
螺桿直徑	Screw diameter	mm	32	36	36	40	50	62
理論射出量	Shot weight of injection (PF)	gram	177	224	249	308	530	1014
射出壓力	Injection pressure	kgf/cm ²	3110	2458	2999	2429	1722	1894
夾模單元	Mold clamping unit							
閉模力	Mold clamping force	tont	125		150		200	250
夾模行程	Mold clamping stroke	mm	410		460		510	550
模厚	Mold thickness	mm	120~490		130~550		140~560	160~620
大柱內距	Tie bar spacing (H x V)	mm	405x405		462x462		505x505	555x555
射出單元	Injection unit	UNIT	HN-300U		HN-350U		HN-470U	HN-530U
螺桿直徑	Screw diameter	mm	62		70		80	85
理論射出量	Shot weight of injection (PF)	gram	1014		1412		2050	2314
射出壓力	Injection pressure	kgf/cm ²	1894		1873		1763	1562
夾模單元	Mold clamping unit							
閉模力	Mold clamping force	tont	300		350		470	530
夾模行程	Mold clamping stroke	mm	610		645		730	800
模厚	Mold thickness	mm	180~680		190~740		250~750	350~850
大柱內距	Tie bar spacing (H x V)	mm	605x605		680x680		820x800	840x830

BMC專用注塑機

BMC Injection Molding Machine

HN-BMC SERIES
150-600



本機特點

- 採用單缸油壓式自動供料裝置，可提供穩定的進料功能。
- 可搭配ACC蓄壓射出裝置，提供瞬間高速能量，進行高速射出成型。
- 車壁配置隔熱墊板，模溫控制更精準。
- 具有填料台設計，塑料補充作業更方便。(BMC-250以上)

Features

- Single hydraulic cylinder of auto-feeding mechanism, it stabilizes the material feed.
- Applied to Accumulator on injection unit, it can conduct high-speed molding process. (optional)
- The platen is equipped with insulation plate, it provides more precise mold temperature.
- Applied the filling material stand, it is convenient to fill material (over BMC-250).

ITEM	UNIT	HN-150BMC	HN-250BMC	HN-300BMC
射出單元 Injection unit				
螺桿直徑 Screw diameter	mm	62	62	62
理論射出量 Shot weight of injection (BMC)	gram	1331	1331	1331
射出壓力 Injection pressure	kgf/cm ²	1675	1675	1675
夾模單元 Mold clamping unit				
閉模力 Mold clamping force	tonf	150	250	300
夾模行程 Mold clamping stroke	mm	460	550	610
板厚 Mold thickness	mm	130~520	160~640	180~710
大柱內距 Tie bar spacing (H x V)	mm	460x460	555x555	605x605

ITEM	UNIT	HN-350BMC	HN-530BMC	HN-600BMC
射出單元 Injection unit				
螺桿直徑 Screw diameter	mm	68	76	76
理論射出量 Shot weight of injection (BMC)	gram	1601	2285	2285
射出壓力 Injection pressure	kgf/cm ²	1393	1512	1512
夾模單元 Mold clamping unit				
閉模力 Mold clamping force	tonf	350	530	600
夾模行程 Mold clamping stroke	mm	645	800	900
板厚 Mold thickness	mm	190~770	350~880	350~1060
大柱內距 Tie bar spacing (H x V)	mm	680x680	840x830	860x860

模內貼標系統 In Mold Labeling 整廠規劃服務 Turnkey Solution

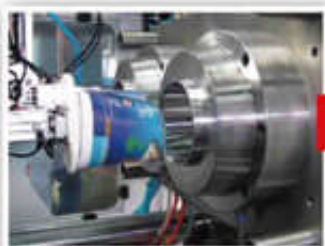
模內貼標系統 In Mold Labeling



模內貼標程序 IML Process

1

開模時置入標籤貼
Inserting label when mold open.



2

關模並射出
Closing mold and finish injection.

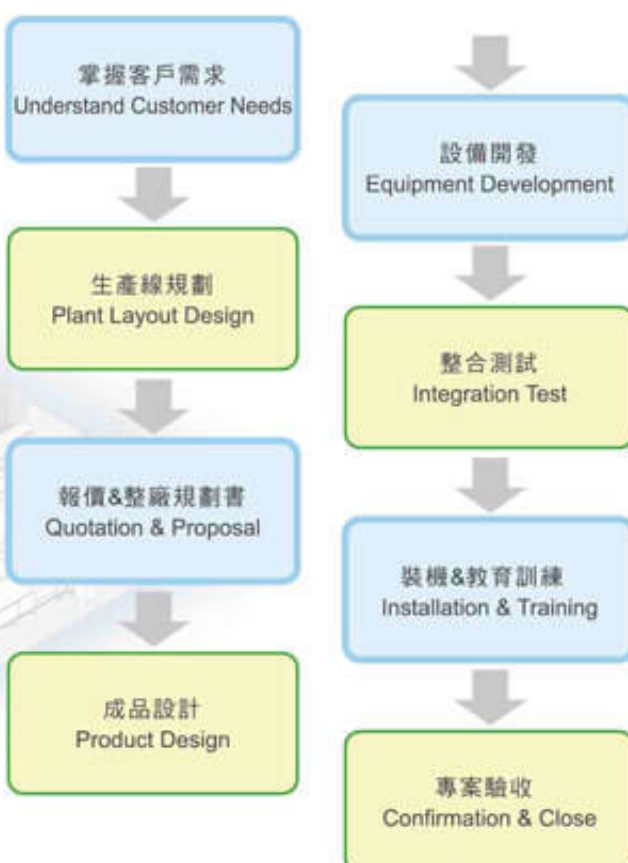


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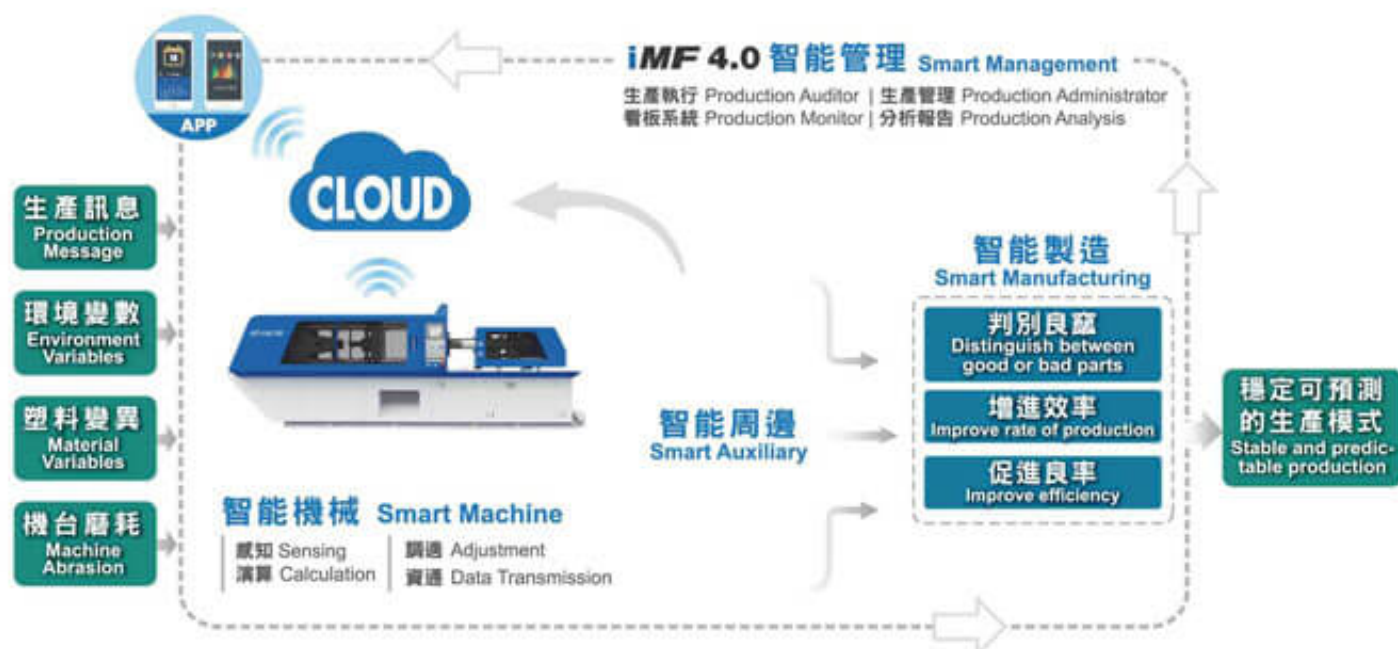
成型品取出
Taking out the product.



整廠規劃服務 Turnkey Solution



iMF 4.0 智能製造工廠 Intelligent ManuFactory



■ 智能塑機 Smart Machine

運用外加感測器，掌握因環境、塑料、設備磨耗的微量變異，提升射出機自適應調控能力。
Applying additional sensors to monitor and meet the slight fluctuations caused by the environment, material, or machine abrasion, and to improve the adaptive control of injection molding machines.

- 大柱鎖模力監視系統
Tie bar clamping force monitoring system
- 智能化流動平衡系統
Intelligent flow balance system
- 熔體黏度變異自適應
Adaptive control for viscosity variation of melt
- 模具冷卻流量與溫度監視
Mold cooling flow and temperature monitoring system

■ 智能製造 Smart Manufacturing

- 判別良窳 Distinguish good or bad
- 增進效率 Improve rate of production
- 促進良率 Improve Effectiveness

由熔體變異或模穴壓力感測，即時線上監控品質，並搭配機械手臂檢出不良品，有效降低品檢人力。

Real-time online quality monitoring through the sensors of viscosity variation of melt, or cavity pressure, and detecting the defectives with automations, to effectively reduce the inspection manpower.

■ 智能周邊 Smart Auxiliary

透過標準通訊協定，達到設備運轉、互聯及調控之目的。

The IMM and auxiliaries could operate, communicate with each other through the standard communication protocol, to be adjusted and controlled.

- 機械手 Robot System
- 供料機 Material Feeding
- 模溫機 Heaters
- 冷凍機 Chillers
- 熱流道 Hot Runner

■ 智能管理 Smart Management

透過智能管理系統收集關鍵熔體變異數據。

Using intelligent managing system to collect the key data of viscosity variation of melt.

- 尋找生產進度瓶頸
Find the bottleneck of a better production
- 檢測品質偏移因素
Detect the deviation factors of molding quality
- 擬定預警維護，減少意外停機
Plan the preventive maintenance and reduce unexpected downtime.

使用微發泡的好處 Benefits

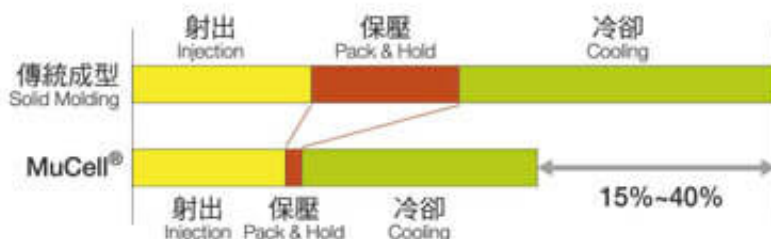
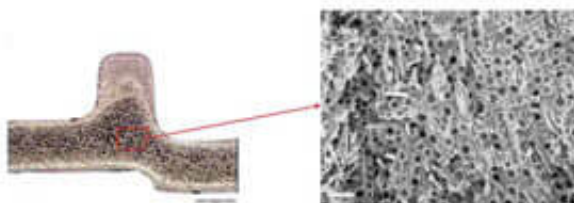
降低成本
Cost Reduction

永續性高
Sustainability

造型自由
Design Freedom

開發期短
Faster to market

MuCell® 應用優勢 Advantages



- 減重(輕量化)
Weight reduction
- 降低鎖模力需求
Machine clamping force reduction
- 縮短成型週期
Cycle time reduction
- 減少成型不良問題
Sustainentially reduce warpage & dimensional defect

MuCell® 製程設備 Implementation



應用實例 Application



富強鑫多組分成型技術發展年表

FCS Multi-Component IMM - Since 1984

1984

FCS第一台雙色機 ▶「KT-300D」

1990

推出「FB系列」▶成為現今雙色機的代名詞

1993 ▶推出夾層混色機「FB-C系列」

2001

推出大型雙色機「FB-1000R」

▶台灣最大型轉盤雙色機

2002 台灣精品獎

推出油電式雙色機「HB-250Y」

▶全閉迴路系統+高速射出

2001 Taipeiplus「優等獎」

2002 台灣精品獎

2003 ▶推出製筆專用雙色機「FB-200R」

2004 ▶推出手機按鍵專用雙色機「FB-140R」

2005 ▶推出三色機「FB-450M」

▶雙色機首次銷往歐洲「德國電子業者」

2006

深耕中國汽配行業(車燈及內外飾)

▶中大型雙色機開始在寧波廠量產。

2007 ▶推出「FB三代系列伺服節能雙色機」

2012

超大型二板式水平轉盤雙色機

▶推出「HB-1900R」

2016 台灣精品獎

▶推出醫療專用雙色機「FB-260R」

▶推出牙刷專用三色機「FB-550R」

2014

推出「FB四代系列」

▶推出大型二板雙色機「LM-3200LB」

▶薄型筆記型電腦專用雙色機「FB-700R」、「FB-850R」

2015 ▶推出超大型三工位三色機「FB-1900R」

2017

提出「多組分注塑機射出型式定義」

▶推出三色混色機「FB-250C」

2018

▶與「國家塑機產品質量監督檢驗中心」
共建「多組分注塑機聯合創研技術中心」

▶「FB-600T」三色機獲選
「改革開放40週年—機械工業傑出產品」

2020 榮格技術創新獎

▶推出多工位四色機「FB-1600R」

2019

▶推出大型物流專用超大型二板對射機「HB-2350D」

▶推出大型二板轉盤雙色機「GW-1600R」

▶「HB-R系列」實現在中國本地化量產

2020

▶由富強鑫擔任第一起草單位的
「多組分注塑機」行業團體標準正式公布實施

▶「HB-1900R」大型水平轉盤多組分注塑機被
認定為浙江省高端裝備重點領域首台套產品

▶推出「FB-1600Re」、「HB-1900Re」射出
全電動及「CT-280R」全電式雙色機
開啟「雙色機電動化」新紀元

2022

雙色機累計銷售「4700台」金額「RMB38.5億元」

▶推出超大型射出可移動多工位六射機「FB-1600RVW」將
富強鑫多組分成型技術推向頂峰

▶推出超大型二板式多工位四射機「GW-1600Rp / GW-2200R」
新增X型多組分射出型式

2023

▶推出「GW-1600R X」二板式轉盤四射注塑機

2023 榮格技術創新獎

▶推出「GW-2900R」超大型二板式轉盤注塑機

▶推出「HB-3500R」超大型二板式水平對射注塑機

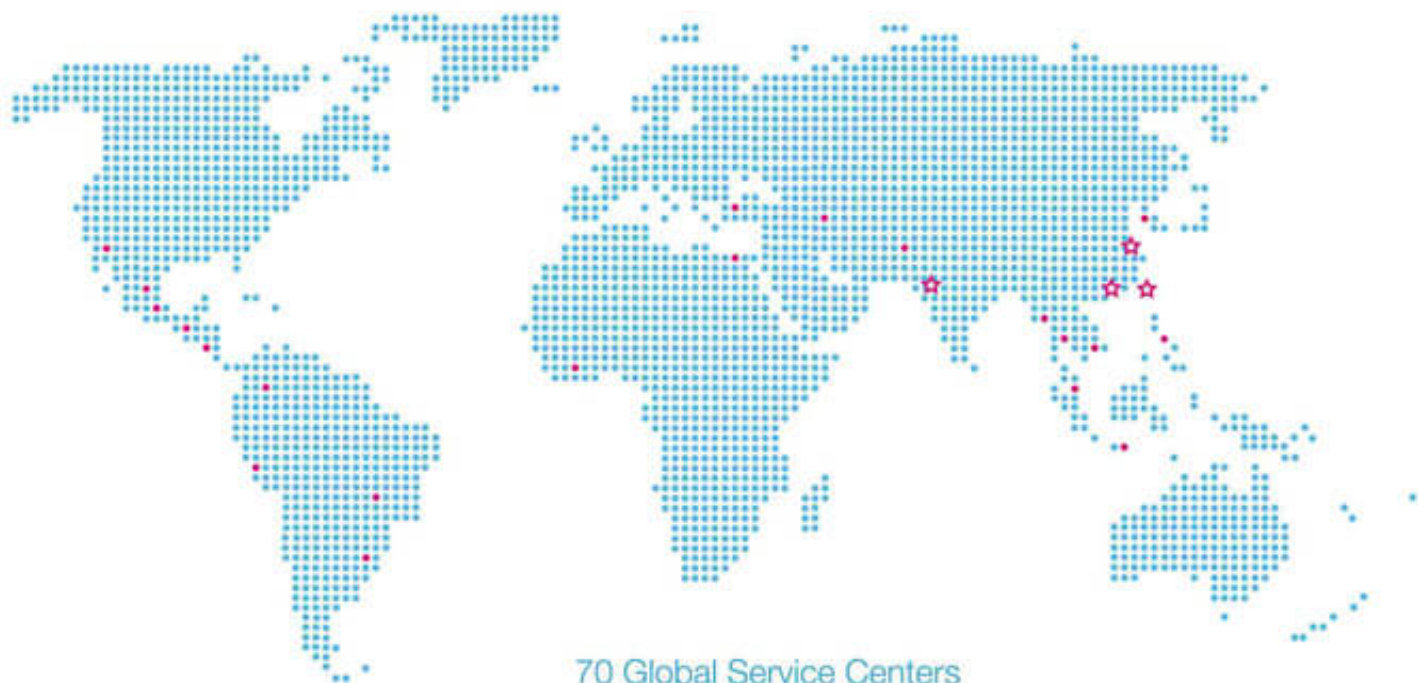
▶推出「LN-900T」大型二板式轉軸雙色注塑機

▶推出「SA-380h」高速雙色機，結合高速雙色及IML成型技術

▶「GW-2200R X」超大型二板式轉盤四射注塑機，被認定為
中國高階裝備重點領域首台套產品

2024

推出第五代「FB-R」多組分注塑機



富強鑫集團 FCS Group



富強鑫精密工業股份有限公司

Fu Chun Shin Machinery Manufacture Co., Ltd.

71841 臺灣台南市鹽水區埤頭里保東路269號
No. 269, Baoding Road, Pitou Village, Guanmiao District, Tainan City 71841, Taiwan
TEL: +886-6-5950688 • FAX: +886-6-5951129 • E-mail: fcsco@fcs.com.tw

東莞富強鑫塑膠機械製造有限公司

Dongguan Fu Chun Shin Plastic Machinery Manufacture Co., Ltd.

廣東省東莞市大朗鎮石廈管理區金廈東路18號 郵編：523792
No. 18, Jinsha East Road, Shixia Administration District, Dalang Town,
Dongguan City 523792, Guangdong Province, China
TEL: +86-769-83313753 • FAX: +86-769-83181903 • E-mail: cdg@fcs.com.tw

富強鑫(寧波)機器製造有限公司

Fu Chun Shin (Ningbo) Machinery Manufacture Co., Ltd.

浙江省寧波市江北區海川路115號 郵編：315032
No. 115, Haichuan Road, Jiangbei District, Ningbo City 315032, Zhejiang Province, China
TEL: +86-574-56138688 • FAX: +86-574-56138600 • E-mail: cnb@fcs.com.tw

富強鑫(寧波)精密科技股份有限公司

Fu Chun Shin (Ningbo) Precision Technology Co., Ltd.

浙江省寧波杭州灣新區啟源路166號 郵編：315336
No. 166 Qiyuan Road, Hangzhou Bay New District, Ningbo 315336, Zhejiang Province, China
TEL: +86-574-56138689 • FAX: +86-574-56138699 • E-mail: chp@fcs.com.tw

印度富強鑫

FCS Manufacturing (India) Private Limited

Block Number 218, Xcelon Industrial Estate, Near Intas Pharmaceutical, Village Chancharvadi Vasna,
Sarkhej Bavla Road, Taluka Sanand, Ahmedabad, Gujarat - 382213
TEL: +91-99-98897768 • E-mail: fcsindia@fcs.com.tw

