

®

HENFA
INJECTION MOLDING MACHINES

**The most economical solution, tailored exclusively
to your production equipment.**

In response to diverse needs of engineering plastics processing, LIEN FA has been developing "customized modular" system, this system allows standard model enable to upgrade the performance, which successfully offering worldwide Customers, in a very efficient time to reach a variety of specific production needs and reduce the customer's equipment procurement costs.

Our custom modular approach is not simply separated from the system structure, but to integrate brand-new features base on the maturity of well-functioned injection molding machine to meet the specific customer demand for the product or for customers to improve additional productivity.

This may require the mechanical structure, controller program and hydraulic system re-organized.

Complete manufacturing equipment and automation engineering is our advantage. We have the experience and technology accumulated over the years. Through a highly complex manufacturing, provides customers with production solution to meet the various needs of plastics processing in different territory.

以最經濟的方案，量身打造專屬於您的生產設備

因應多元化塑膠加工工程的需求，聯發射出機械一直致力於開發“定製模組化”系統，這套系統讓我們的標準機型開啟了大量可能的升級效能，成功的為遍佈在全球各地的客戶，在極有效率的時間內達成各種特定的生產需求，並且降低客戶設備採購成本。

我們的定製模組化的作法並非單純的把系統結構分開，而是在已經俱備有完善基礎功能的塑膠射出成型機械上面再加入其它嶄新的功能，來滿足特定客戶的生產需求或是為客戶提高額外的生產力。這可能需要將部份的機械結構、控制器程式或液壓系統重新組織。

完備的製造設備及自動化工程是我們巨大的優勢。我們以多年積累的經驗及技術，透過高度整合的製造單元，為客戶的生產提出解決方案，滿足各種不同塑膠加工領域的需求。

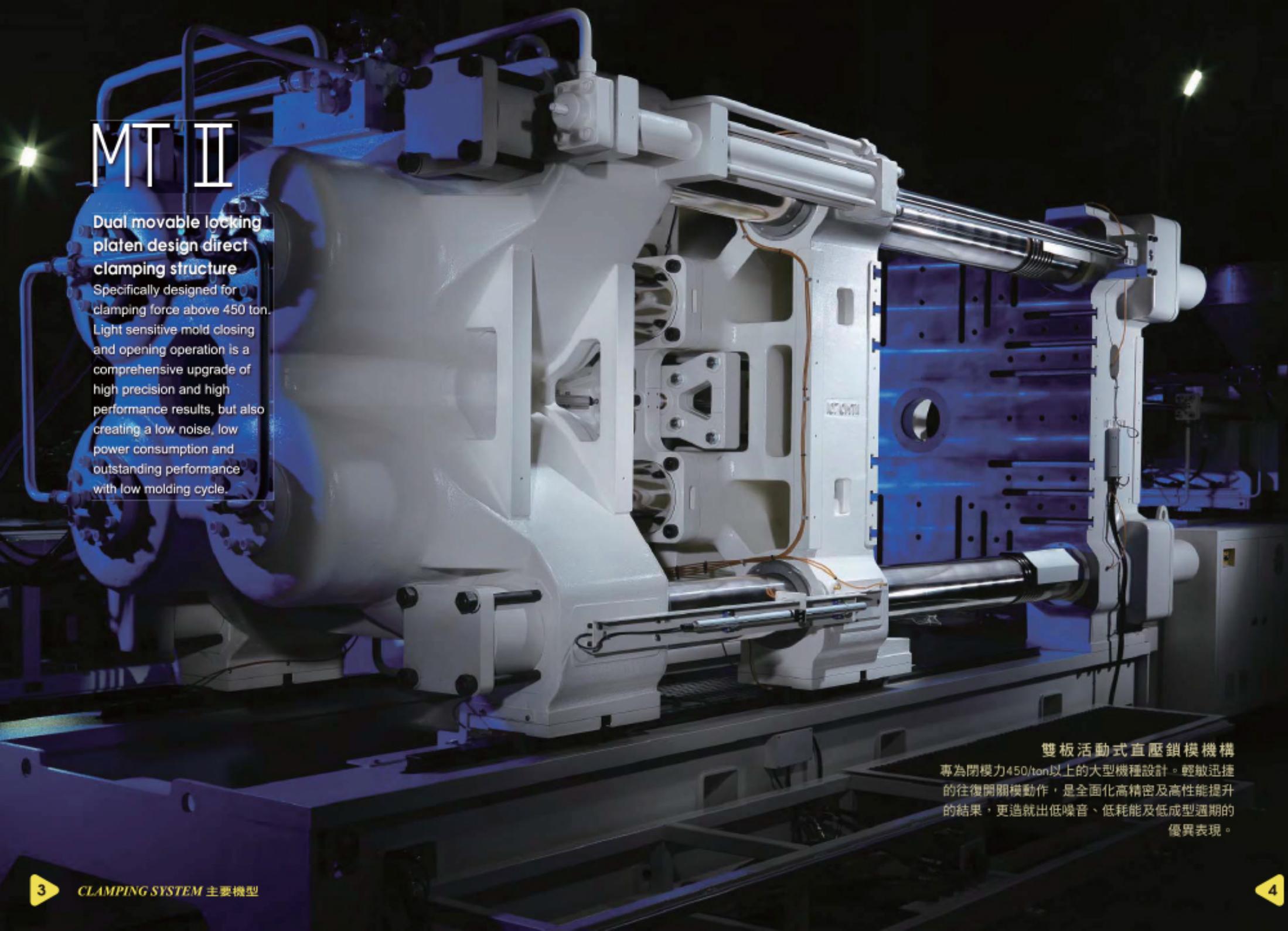


MT II

Dual movable locking
platen design direct
clamping structure

Specifically designed for
clamping force above 450 ton.

Light sensitive mold closing
and opening operation is a
comprehensive upgrade of
high precision and high
performance results, but also
creating a low noise, low
power consumption and
outstanding performance
with low molding cycle.



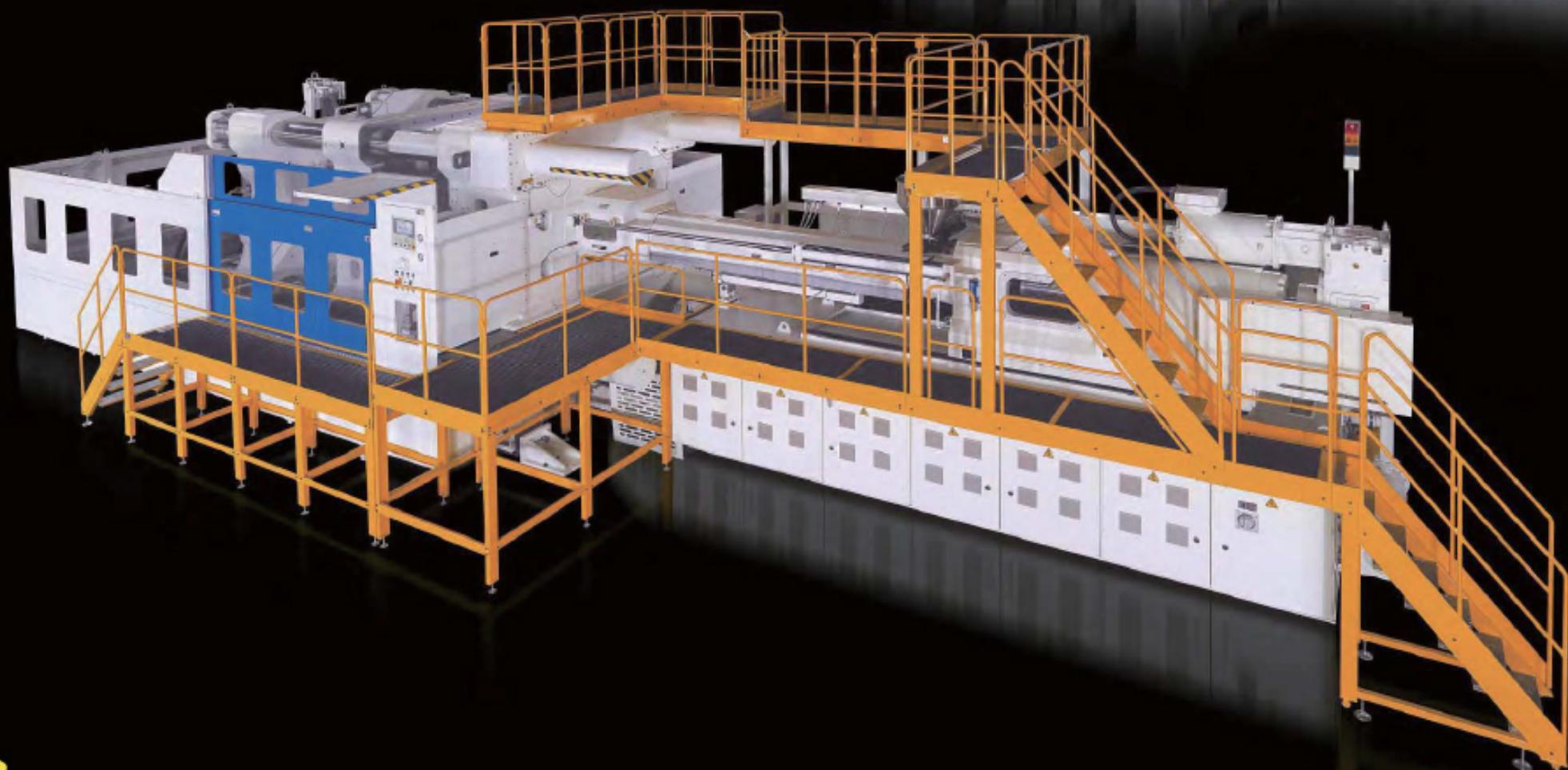
雙板活動式直壓鎖模機構

專為閉模力450/ton以上的大型機種設計。輕敏迅速的往復開關模動作，是全面化高精密及高性能提升的結果，更造就出低噪音、低耗能及低成型週期的優異表現。

MT II

450t ~ 4000t

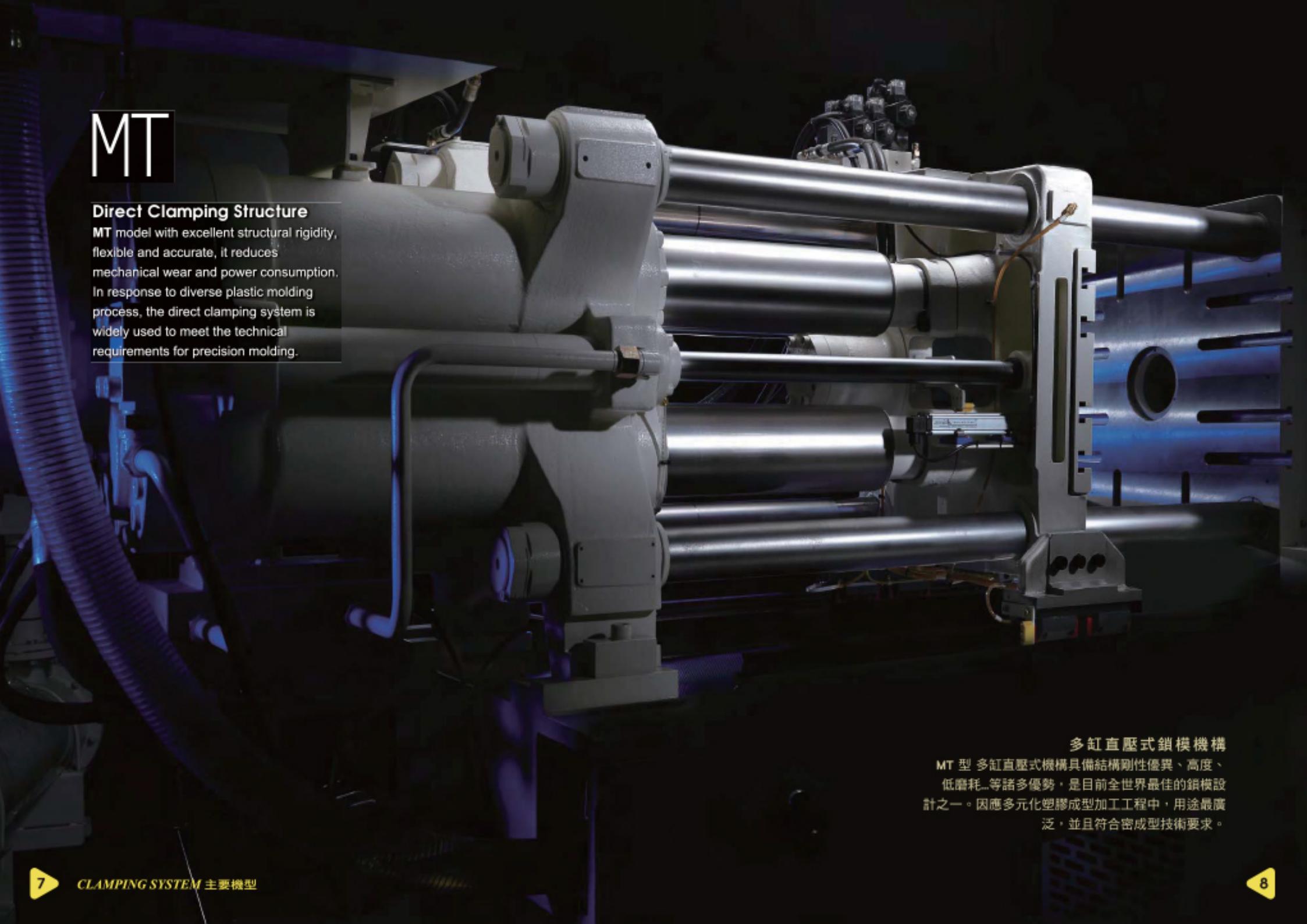
II Locking Platen Type



MT

Direct Clamping Structure

MT model with excellent structural rigidity, flexible and accurate, it reduces mechanical wear and power consumption. In response to diverse plastic molding process, the direct clamping system is widely used to meet the technical requirements for precision molding.



多缸直壓式鎖模機構

MT型多缸直壓式機構具備結構剛性優異、高度、低磨耗...等諸多優勢，是目前全世界最佳的鎖模設計之一。因應多元化塑膠成型加工工程中，用途最廣泛，並且符合密成型技術要求。

MT / ST

35t ~ 700t
Direct Clamping
Cylinders Type



ST

Direct Clamping Structure

ST model is the advanced design from MT model. It is designed especially for the needs of low-pollution environment. It is widely preferred from the Asian electronics industry, as well as the trust from European and South American customer.

ST

35t ~ 80t
Micro Injection
Molding Type

單缸直壓式 鎖模機構

ST 型 單缸直壓式
機構，特別適用於
低污染需求的生產
環境，廣受亞洲電
子業、歐陸及南美
市場客戶信賴。



VR

90t ~ 270t Vertical Injection Molding Type



MACHINE FEATURE 機型特點:

- May choose: single mold system, dual molds turntable system, sliding mold system. Highly flexible customization model, different structures of special machinery design for variety of products production lines.
- The birth of VR Series is in response to the mainstream market needs, IMD products dedicated production line machinery. It is applicable in hand tools, consumer goods, medical equipment, LED, electronic technology... and other products.
- Small footprint, flexible configuration of space, it creates more economic production space efficiency.
- 可選擇單模座系統、雙模座轉盤系統、滑板模座系統。高彈性化客製機型，是專為各式產品生產線而設計不同結構的特殊機型。
- VR系列的誕生是因應主流市場需要，是IMD產品專屬的生產線機械。它可適用在手工具類、民生用品、醫療器材、LED、電子零件及各種嵌件加工成型。
- 佔地小，空間配置靈活，擴張性能優異。

	ITEM 項目	TYPE 機型	Unit 單位	LF 87VR		LF 187VR		LF 270VR	
				A	B	C	D	A	B
INJECTION UNIT 射出系統	Screw Diameter 料筒直徑	mm	22	25	26	30	40	46	45
	Shot Weight (PB) 射出重量	grams	44	56	72	81	203	257	314
	Injection Pressure 射出壓力	kg/cm ²	3616	2900	2232	1945	1805	1430	1390
	Theoretical Shot Volume 理論射出容積	cm ³	49	63	80	91	226	286	349
	Injection Stroke 射出行程	mm			130			160	220
	Injection Rate 射出速率 (HB)	cm ³ /sec	45 / 64	58 / 83	71 / 104	84 / 120	125 / 175	161 / 222	199 / 260
	Injection Speed 射出速度 (HB)	mm/sec			120 / 170			105 / 140	120 / 170
	Packratization 可塑化能力	kg/hr	20	26	33	36	67	85	85
	Nozzle Contact Force 融點接觸力	ton			7.7			8.8	8.8
MOULD LOCK UNIT 鎖模系統	Number of Cylinder Drive 直壓缸數	pc.					1		
	Clamping Force 锁模力量	ton			90		160		270
	Opening Stroke 開模行程	mm		300		400		450	
	Minimum Mold Thickness 模厚大小	mm		200		300		350	
	Maximum Daylight 滑行桿	mm		520		700		800	
	Platen Dimension (H×W) 條板尺寸	mm		530×390		558×490		600×560	
	Locating Ring Diameter 正位環直徑	mm		100		100 ~ 120		100 ~ 120	
	Ejector Stroke 滔出行程	mm		60		100		100	
	Ejector Force 滲出力量	ton		6.7		6.7		6.7	
OTHER 其他	Motor 馬達	hp		20		30		40	
	HB Servo Motor 伺服馬達	hp		20		30		40	
	Heater Capacity 加熱容量	kW		5		6		11	
	Oil Tank Capacity 油箱容量	L		200		500		800	
	Machine Weight 機器重量	ton		2.8		6		12	
	Machine Size 機器尺寸 (L×W×H) mm			2600×2000×3900		2600×2100×4500		3600×2320×5800	

■ Specifications are subject to change without prior notice.
本公司保有變更設計之權利，規格如有更改恕不另行通知。

■ Special Specification ordering is acceptable.
本公司亦接受特殊規格之訂製。

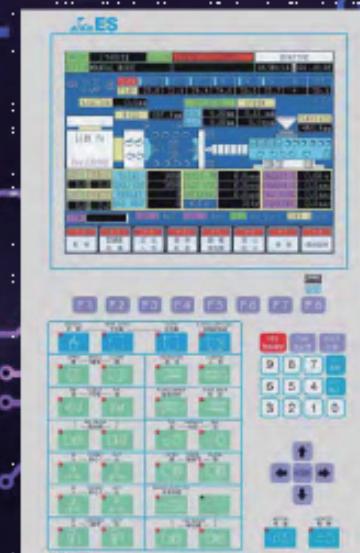
Full range of machinery equipped with microprocessor controller. Large features, friendly operation and clearly display all the necessary information.

全系列的機械都配備了頂尖的微處理控制器。俱備功能強大、操作友好、能直觀、清晰地顯示所有必要的信息。



Austria KEBA controller

奥地利 KEBA 控制器



Japan STAR controller

日本 STAR 控制器

- ▲ Database-type controller. Database built-in upgrade functional for variety injection molding machines.
- ▲ 200 internal mold data sets, USB access, save the mold changing set up process.
- ▲ Clamping, injection and ejector adapt high-precision transducer, which performs accurately driving position.
- ▲ Transducer with CAN Bus, SSI interface. (OPTIONAL)
- ▲ Ethernet connection for the host computer. (OPTIONAL)
- ▲ Full closed loop injection with servo valve. (OPTIONAL)
- ▲ Euromap 67 (12) robot interface. (OPTIONAL)
- ▲ 資料庫型控制器。資料庫中內建各種射出機升級功能性條件。
- ▲ 電腦內建200組產品成型條件儲存，USB存取介面，節省更換模具條件設定程序。
- ▲ 鎮模、射出、頂針探高解析類比輸入點，可精準執行驅動位置。
- ▲ 具備CAN Bus、SSI通訊協定介面(選配)。
- ▲ 窗域網路管理功能(選配)。
- ▲ 閉迴路射出控制 (選配)。
- ▲ 預壓機械手連結功能(選配)。



- ▲ Japan STAR micro-processing controller, conform to JIS. Choice of three languages can be built, Language available with Chinese, English, Spanish and Japanese.
- ▲ 10.4 " color LCD screen, quick select button to set the page, simple operation.
- ▲ 100 internal mold data sets, memory card slot feature, save the mold changing set up process.
- ▲ Clamping, injection and ejector adapt high-precision transducer, which performs accurately driving-position.
- ▲ Robot interface.
- ▲ 日本原裝 STAR 微處理控制器，符合 JIS各類檢驗標準。內建三種語言選擇：中文、英文、西文。
- ▲ 10.4" 彩色液晶顯示畫面，文數字輸入引導式交談，操作簡單，快速選擇設定頁面按鍵。
- ▲ 電腦內建100組產品成型條件儲存，加記憶卡插槽功能，節省更換模具條件設定程序。
- ▲ 鎮模、射出、頂針探高精度可變電阻尺，可精準執行驅動位置。
- ▲ 預留機械手連結功能。

HBH

High Speed Molding
+ Energy Efficiency
Hybrid System

HB

Energy Efficiency
Hybrid System

70 %

Power Source
Saving Maximum

Microminiaturize · Low Noise
Easy Operation · High Efficiency
Energy Saving

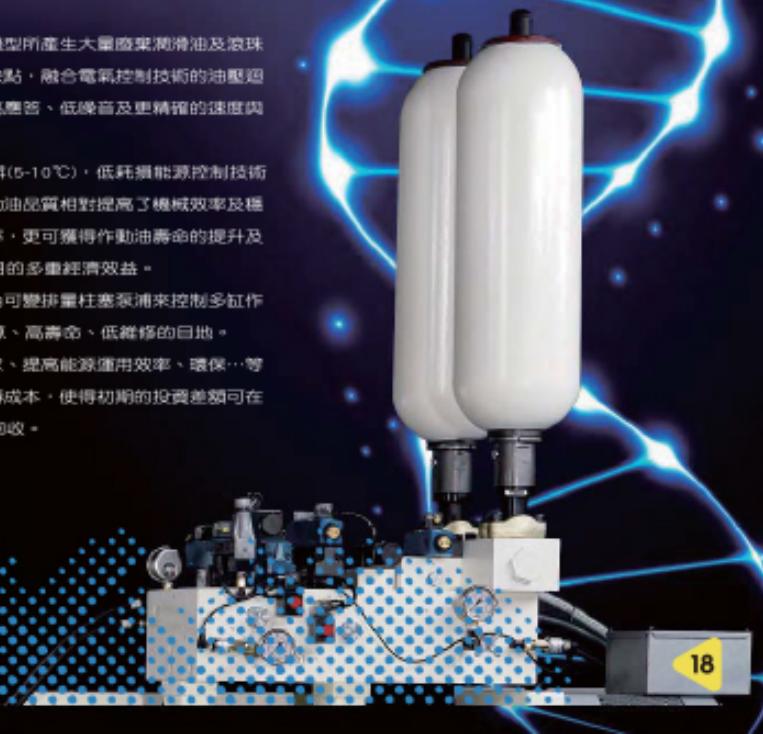


SYSTEM FEATURE :

- ▲ New hydraulic circuit design, integration of electrical control technology, not only achieve a high response, low noise, the precision of speed and pressure control, and not compromise the ability of holding injection. More can be avoided by a large amount of waste lubricants and ball screw contour supplies shortcomings that existing from electric injection machine.
- ▲ Low depletion of energy control technology import, increased significantly inhibit oil temperature (5 to 10 °C), and stability the actuator oil quality, not only improve the efficiency of the machinery and molded product yields, will also be eligible for dynamic oil life enhancement, and the administrative expenses of the cooling system of multiple economic benefits.
- ▲ Mining closed loop with a single pump to control the multi-cylinder actuator, aims to save energy. The system for the minimum amount of investment.
- ▲ Lower supplies and maintenance needs, and improve energy use efficiency, environmental protection, etc. All lower operating costs, making the initial investment difference in the short term can be very rapid recovery.

系統特點：

- ▲ 避免傳統電氣式機型所產生大量廢棄潤滑油及滾珠螺桿等高耗材的缺點，融合電氣控制技術的油壓迴路設計，實現了高應答、低噪音及更精確的速度與壓力控制。
- ▲ 大幅抑制油溫上升(5-10°C)，低耗損能源控制技術導入，穩定的作動油品質相對提高了機械效率及穩定的成形品良品率，更可獲得作動油壽命的提升及冷卻系統管理費用的多重經濟效益。
- ▲ 封閉式迴路，藉由可變排量柱塞泵浦來控制多缸作動，達到節省能源、高壽命、低維修的目的。
- ▲ 低耗材及保養需求、提高能源運用效率、環保…等全方位降低的運轉成本，使得初期的投資差額可在極短期內被快速回收。





72 Cavities

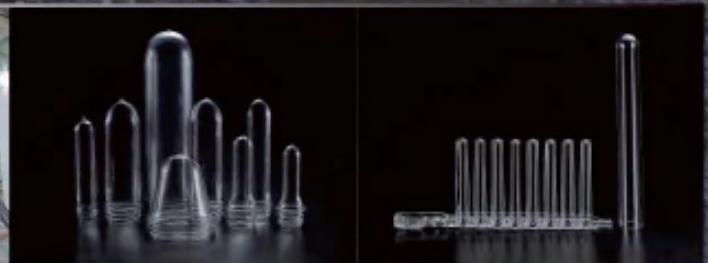
Reduced energy consumption
Smaller footprint
Rapid set-up
節能、緊湊
安裝簡易



2014 Taipei Int'l Plastics & Rubber Industry Show

PET

Hybrid System & Twin Screw
High Efficiency PET Preform
Injection Molding



PET PREFORM INJECTION MOLDING SYSTEM

高速瓶胚射出系統

MTD

Multicolor System



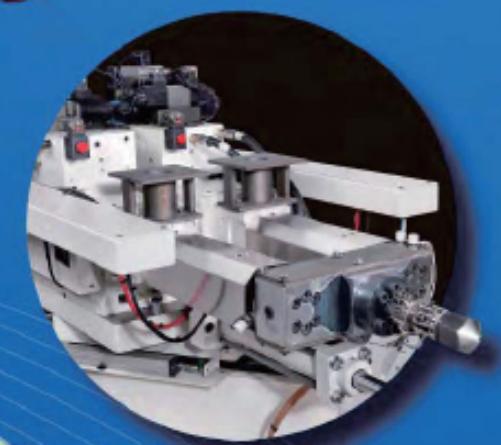
MTD
Multi Color · Mold Rotation System
多色、模具旋轉系統



MTD-M
Multi Mixed Colors
多混色系統



MTD-D
Multi Colors · Densities
System 多色、多密度系統



ST

35t ~ 270t
Direct Clamping
Cylinders Type

MT

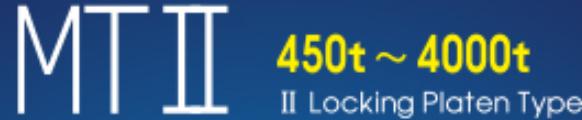
150t ~ 700t
Direct Clamping
Cylinders Type

ITEM 項目	Unit 單位	LF 37		LF 57			
		A	B	A	B	C	D
Screw Diameter 斜輪直徑	mm	18	20	18	20	22	25
Shot Weight (PS) 射出重量	gram	18	22	29	36	44	56
Injection Pressure 射出壓力	kg/cm ²	3240	2625	4375	3543	2928	2368
Theoretical Shot Volume 理論射出容積	cm ³	20	25	33	40	49	63
Injection Stroke 射出行程	mm		80		130		
Injection Rate 射出率 / HB	cm ³ /sec.	55 / 55	69 / 69	48 / 48	59 / 59	72 / 72	93 / 93
Injection Speed 射出速度 / HB	mm/sec.	220 / 220			190 / 190		
Plasticization 可塑化能力	kg/hr	13	16	13	16	20	26
Nozzle Contact Force 射嘴接觸力	ton	2.6			2.6		
Number of Cylinder Drive 直壓缸數	Pc.			1			
Clamping Force 閉模力	ton	35		60			
Opening Stroke 開模行程	mm	280		350			
Minimum Mold Thickness 機厚大小	mm	160		150			
Maximum Daylight 檢行程	mm	430		600			
Tie Bar Clearance (H×V) 機柱間隔	mm	255×255		305×305			
Platen Dimension (H×V) 機板尺寸	mm	390×390		455×455			
Locating Ring Diameter 定位環直徑	mm	45		80			
Ejector Stroke 頂出行程	mm	70		70			
Ejector Force 頂出力	ton	1.6		4.8			
Motor 馬達	hp	10		10			
HB Servo Motor 伺服馬達	hp	10		15			
Heater Capacity 電熱容量	kW	2		3.5			
Oil Tank Capacity 油箱容量	L	100		200			
Machine Weight 機械重量	ton	1.4		2			
Machine Size 機械尺寸 (L×W×H)	mm	3050×1000×1600		3900×1290×1900			

INJECTION UNIT 射出系統				MOLD LOCK UNIT 鋼模系統				OTHER 其他				INJECTION UNIT 射出系統				MOLD LOCK UNIT 鋼模系統			
LF 77				LF 107				LF 137				LF 187				LF 270			
A	B	C	D	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
22	25	28	30	28	30	35	30	35	40	45	50	55	50	55	60				
44	56	72	81	99	114	155	114	155	203	306	378	459	520	630	749				
3599	2787	2222	1935	2695	2347	1725	3208	2367	1804	2600	2108	1741	2624	2169	1822				
49	63	80	91	110	127	173	127	173	226	341	421	510	578	700	833				
			130				180					215		295					
64 / 64	83 / 83	104 / 104	120 / 120	86 / 104	98 / 120	134 / 163	98 / 113	134 / 153	175 / 200	158 / 198	195 / 245	237 / 296	188 / 225	225 / 273	268 / 324				
			170 / 170				140 / 170			140 / 160		100 / 125		95 / 115					
20	26	33	38	33	38	51	38	51	67	66	105	128	105	128	162				
			2.6				4.4			4.4		9		9					
				1				1		4		1		4					
				80			120			150		180		270					
				400			450			540		650		800					
				150			180			200		200		300					
				550			630			740		850		1100					
				355×355			402×402			455×455		505×505		560×560					
				545×545			623×623			675×675		750×750		872×872					
				80			100			100 ~ 120		100 ~ 120		100 ~ 120					
				105			105			95		95		150					
				6.7			6.7			6.7		6.7		9.9					
				20			20			25		30		40					
				20			20			25		30		40					
				5			5.9			8		11.5		15					
				200			400			500		600		800					
				3			4.3			4.8		6.8		10.5					
				4200×1400×2000			5000×1350×2100			5780×1500×2200		6000×1600×2250		6700×1800×2400					

ITEM 項目	Unit 單位	LF 320			LF 370		
		A	B	C	A	B	C
Screw Diameter 斜輪直徑	mm	55	60	65	60	65	70
Shot Weight (PS) 射出重量	gram	630	749	880	890	1044	1211
Injection Pressure 射出壓力	kg/cm ²	2169	1822	1553	2516	2144	1849
Theoretical Shot Volume 理論射出容積	cm ³	700	833	978	989	1160	1346
Injection Stroke 射出行程	mm		295		350		
Injection Rate 射出率 / HB	cm ³ /sec.	249 / 296	296 / 363	348 / 414	310 / 310	364 / 394	423 / 423
Injection Speed 射出速度 / HB	mm/sec.	105 / 125			110 / 110		
Plasticization 可塑化能力	kg/hr	128	152	179	152	179	207
Nozzle Contact Force 射嘴接觸力	ton		9		9		
Number of Cylinder Drive 直壓缸數	Pc.			4			
Clamping Force 閉模力	ton		320		370		
Opening Stroke 開模行程	mm		900		950		
Minimum Mold Thickness 機厚大小	mm		300		400		
Maximum Daylight 檢行程	mm		1200		1350		
Tie Bar Clearance (H×V) 機柱間隔	mm		610×610		665×665		
Platen Dimension (H×V) 機板尺寸	mm		940×940		1020×1020		
Locating Ring Diameter 定位環直徑	mm		100 ~ 120		100 ~ 120		
Ejector Stroke 頂出行程	mm		150		200		
Ejector Force 頂出力	ton		9.9		9.9		
Motor 馬達	hp		50		50		
HB Servo Motor 伺服馬達	hp		50		60		
Heater Capacity 電熱容量	kW		15		16		
Oil Tank Capacity 油箱容量	L		1000		1200		
Machine Weight 機械重量	ton		14		18.5		
Machine Size 機械尺寸 (L×W×H)	mm		7400×1900×2580		7800×2000×2650		

INJECTION UNIT 射出系統			MOLD LOCK UNIT 鋼模系統			OTHER 其他			INJECTION UNIT 射出系統			MOLD LOCK UNIT 鋼模系統			OTHER 其他		
LF 507			LF 607			LF 707			LF 507			LF 607			LF 707		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
66	70	75	70	75	80	75	80	85	60	65	70	60	65	70	60	65	70
1044	1211	1390	1470	1688	1921	1688	1921	2169	95 / 120	96 / 100	96 / 105	95 / 120	96 / 100	96 / 105	95 / 120	96 / 100	96 / 105
2144	1849	1610	2578	2245	1973	2457	2159	1913	350	425	425	350	425	425	350	425	425
1160	1346	1545	1634	1876	2135	1876	2135	2410	500	600	700	500	600	700	500	600	700
									1100	1150	1150	1100	1150	1150	1100	1150	1150
									400	400	450	400	400	450	400	400	450
									1600	1650	1600	1600	1650	1600	1600	1650	1600
									710×710	800×765	800×765	800×765	800×765	800×765	800×765	800×765	800×765
									1100×1100	1250×1200	1300×1275	1100×1100	1250×1200	1300×1275	1100×1100	1250×1200	1300×1275
									150 ~ 200	150 ~ 200	150 ~ 200	150 ~ 200	150 ~ 200	150 ~ 200	150 ~ 200	150 ~ 200	150 ~ 200
									200	250	250	200	250	250	200	250	250
									9.9	9.9	13.7	9.9	9.9	13.7	9.9	9.9	13.7
									60	60	100	60	60	100	60	60	100
									75	75	100	75	75	100	75	75	100



LLENFA
INJECTION MOLDING MACHINES

ITEM 項目	TYPE 機型	Unit 單位	LF 837		LF 1070		LF 1270		LF 1470		LF 1670	
			A	B	A	B	A	B	A	B	A	B
Screw Diameter 斜面直徑		mm	90	100	95	105	100	110	110	120	120	130
Shot Weight (PB) 射出重量	g/mm	2861	3632	3187	3894	3532	4274	5129	6103	6103	7163	
Injection Pressure 射出壓力	kg/cm ²	2087	1890	2098	1717	1893	1565	2282	1918	2030	1729	
Theoretical Shot Volume 理論射出容積	cm ³	3179	3825	3642	4327	3925	4749	5699	6782	6782	7969	
Injection Stroke 射出行程	mm	600		600		600		600		600		600
Injection Rate 射出率 / HB	cm ³ /sec.	604/699	745/663	673/779	822/952	706/863	902/1044	902/997	1073/1186	1073/1186	1260/1362	
Injection Speed 射出速率 / HB	mm/sec.	95 / 110		95 / 110		95 / 110		95 / 105		95 / 105		
Plasticization 可塑化能力	kg/hr	343	423	382	467	423	512	512	610	610	716	
Nozzle Contact Force 射嘴觸觸力	ton	12		12		12		12		12		12
Number of Cylinder 直壓缸數			Pc.									
Clamping Force 閉模力	ton	850		1000		1200		1400		1600		
Opening Stroke 開模行程	mm	1100		1250		1400		1500		1600		
Minimum Mold Thickness 機厚大小	mm	450 ~ 1100		500 ~ 1250		500 ~ 1350		550 ~ 1400		600 ~ 1500		
Maximum Daylight 離行程	mm	2200		2500		2750		2900		3100		
Tie Bar Clearance (H×V) 融柱間隔	mm	1005×1005		1120×1120		1210×1210		1355×1255		1520×1420		
Platen Dimension (H×V) 融板尺寸	mm	1400×1495		1515×1515		1620×1610		1925×1625		2110×2000		
Locating Ring Diameter 定位環直徑	mm	150 ~ 200		150 ~ 200		150 ~ 200		150 ~ 200		150 ~ 200		
Ejector Stroke 頂出行程	mm	250		320		320		350		360		
Ejector Force 頂出力	ton	13.7		13.7		13.7		19.7		19.7		
Motor 馬達	hp	120		135		135		160		220		
HB Servo Motor 免線馬達	hp	120		135		135		150		180		
Heater Capacity 電熱器量	kW	30		35		41		55		73		
Oil Tank Capacity 油箱容量	L	2000		2200		2400		2600		2800		
Machine Weight 機械重量	ton	33.5		47		55		71		103		
Machine Size 機械尺寸 (L×W×H)	mm	11200×3000×2600		11800×3150×2700		12450×3300×2770		14520×3600×3300		15000×4000×3300		

ITEM 項目	TYPE 機型	Unit 單位	LF 457			LF 557			LF 737		
			A	B	C	A	B	C	A	B	C
Screw Diameter 斜輪直徑		mm	65	70	75	70	75	80	75	80	85
Shot Weight (PB) 射出重量		gram	1044	1211	1390	1470	1688	1921	1688	1921	2169
Injection Pressure 射出壓力		kg/cm ²	2144	1849	1610	2578	2245	1973	2457	2159	1913
Theoretical Shot Volume 理論射出容積		cm ³	1160	1348	1545	1634	1878	2135	1878	2135	2410
Injection Stroke 射出行程		mm	550			425			425		
Injection Rate 射出速率 / HB		cm ³ /sec.	315 / 507	385 / 461	419 / 529	365 / 384	419 / 441	477 / 502	419 / 529	447 / 602	538 / 688
Injection Speed 射出速度 / HB		mm/sec.	95 / 120			95 / 100			95 / 120		
Plasticization 可塑化能力		kg/hr	179	207	238	207	238	271	238	271	308
Nozzle Contact Force 觸嘴接觸力		ton	9			9			9		
Number of Cylinder Drive 液壓缸數		Pc.				4					
Clamping Force 鋼模力		ton		450			650			700	
Opening Stroke 開模行程		mm		700			850			960	
Minimum Mold Thickness 鋼模厚度		mm	400 ~ 700			400 ~ 800			400 ~ 950		
Maximum Daylight 進行程		mm	1400			1650			1850		
Tie-Bar Clearance (H×V) 機柱間隔		mm	715×715			815×815			906×906		
Platen Dimension (H×V) 機板尺寸		mm	1000×1000			1130×1130			1270×1270		
Locating Ring Diameter 定位環直徑		mm	150 ~ 200			160 ~ 200			150 ~ 200		
Ejector Stroke 滔出行程		mm	200			200			260		
Ejector Force 滔出力		ton	8.8			8.8			13.7		
Motor 馬達		hp	60			75			100		
HB Servo Motor 電服馬達		hp	60			75			100		
Heater Capacity 電熱容量		kW	21			25			28		
Oil Tank Capacity 油箱容量		L	1100			1200			1600		
Machine Weight 裝機重量		ton	15.5			22			26		
Machine Size 裝機尺寸 (L×W×H)		mm	7800×2500×2450			8800×2150×2450			9600×2350×2200		

LF 2070		LF 2570			LF 3070			LF 3570			LF 4070		
A	B	A	B	C	A	B	C	A	B	C	A	B	C
130	140	150	160	170	160	170	180	170	180	190	190	200	210
7780	9000	10332	11755	13271	12660	14292	16022	14292	16022	17862	17862	19782	21809
2271	1958	2178	1914	1696	1914	1696	1512	2218	1978	1776	1776	1602	1454
8623	10000	11480	13062	14746	14087	15880	17803	16880	17803	19836	19836	21880	24233
650		660			700			700			700		
1268/1392	1461/1615	1588/1766	1806/2009	2041/2268	1806/2009	2041/2268	2289/2543	2041/2268	2289/2543	2590/2633	2590/2633	2826/3140	3115/3461
95 / 105		90 / 100			90 / 100			90 / 100			90 / 100		
716	830	963	1085	1226	1066	1225	1373	1225	1373	1630	1630	1695	1868
13.9		27.9			27.9			27.9			27.9		
4													
2000		2900			3000			3500			4000		
1700		1900			2300			2500			2800		
650 ~ 1500		650 ~ 1700			960 ~ 2000			980 ~ 2000			980 ~ 2000		
3200		3600			4300			4500			4500		
1805×1505		1905×1605			2005×1805			2100×1900			2300×1900		
2460×2185		2620×2320			2665×2650			2910×2700			3120×2720		
200 ~ 250		200 ~ 250			200 ~ 250			200 ~ 250			200 ~ 250		
380		380			380			380			450		
55		55			55			72.7			72.7		
240		360			360			420			420		
180		240			240			360			360		
101		101			101			101			101		
3000		3000			4600			5200			5200		
110		145			170			250			220		
15800×4400×3400		17000×5000×3800			18000×5000×3800			19000×5100×3850			20000×5200×4020		

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本公司保有變更設計之權利，規格如有更改恕不另行通知。

■ Special Specification ordering is acceptable
本公司亦接受特殊規格之訂製

HBH/HS

35t ~ 700t

Direct Clamping Cylinders Type



INJECTION UNIT 射出系統	ITEM 項目	TYPE 機型 Unit 單位	LF 187			LF 270		
			A	B	C	A	B	C
Screw Diameter 斜輪直徑	mm	45	50	55	50	55	60	60
Shot Weight (PS) 射出重量	gram	396	378	459	620	630	749	749
Injection Pressure 射出壓力	kg/cm ²	2800	2105	1741	2624	2169	1822	1822
Theoretical Shot Volume 理論射出容積	cm ³	341	421	510	578	700	833	833
Injection Stroke 射出行程	mm		215			295		
Injection Rate 射出率	cm ³ /sec.	656	686	831	686	831	969	969
Injection Speed 射出速度	mm/sec.		350			350		
Plasticization 可塑化能力	kg/hr	171	211	256	211	256	305	305
Nozzle Contact Force 射嘴接觸力	ton		9			9		
Number of Cylinder Drive 直壓缸數	Po.		1		4	1		4
Clamping Force 閉模力	ton		180			270		
Opening Stroke 開模行程	mm		650			800		
Minimum Mold Thickness 模厚大小	mm		200			300		
Maximum Daylight 總行程	mm		850			1100		
Tie Bar Clearance (H×V) 機柱間隔	mm		565×565			660×560		
Platen Tank Capacity (H×V) 模版尺寸	mm		750×750			872×872		
Locating Ring Diameter 定位環直徑	mm		100 ~ 120			100 ~ 120		
Ejector Stroke 頂出行程	mm		105			150		
Ejector Force 頂出力	ton		6.7			9.9		
H5 Motor 馬達	hp		40			50		
HBH (Servo + Conventional Motor)	hp		30 ± 10			50 ± 10		
Heater Capacity 電熱容量	kW		11.5			15		
Oil Tank Capacity 油箱容量	L		620			800		
Machine Weight 機械重量	ton		6.8			10.5		
Machine Size 機械尺寸 (L×W×H)	mm		6200 × 1600 × 2250			6700 × 1800 × 2400		

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■ Special Specification ordering is acceptable.
本公司亦接受特殊規格之訂製。

ITEM 項目		TYPE 機型	Unit 單位	LF 37
			A	B
Screw Diameter 斜輪直徑	mm	18	20	
Shot Weight (PS) 軟出量	gram	18	22	
Injection Pressure 輪射壓力	kg/cm ²	3240	2625	
Theoretical Shot Volume 理論射出容積	cm ³	20	25	
Injection Stroke 射出行程	mm	60		
Injection Rate 射出率	cm ³ /sec.	127	157	
Injection Speed 射出速度	mm/sec.	500		
Plasticization 可塑化能力	kg/hr	27	34	
Nozzle Contact Force 射嘴接觸力	ton	2.6		
<hr/>				
Number of Cylinder Drive 直壓缸數	Pc.	1		
Clamping Force 閉模力	ton	35		
Opening Stroke 開模行程	mm	280		
Minimum Mold Thickness 模厚大小	mm	150		
Maximum Daylight 機柱間隔	mm	430		
Tie Bar Clearance (H×V) 機柱間隔	mm	255×255		
Platen Dimension (H×V) 標板尺寸	mm	390×390		
Locating Ring Diameter 定位座直徑	mm	80		
Ejector Stroke 頂出行程	mm	70		
Ejector Force 頂出力	ton	1.6		
<hr/>				
HS Motor 馬達	hp	20		
HBH (Servo + Conventional Motor)	hp	10+7.5		
Heater Capacity 電熱容量	kW	2		
Oil Tank Capacity 注油容量	L	100		
Machine Weight 機械重量	ton	1.4		
Machine Size 機械尺寸 (L×W×H)	mm	3050×1000×1500		

LF 57				LF 77				LF 107			LF 137				
A	B	C	D	A	B	C	D	A	B	C	A	B	C		
18	20	22	25	22	25	28	30	28	30	35	30	35	40		
29	36	44	56	44	56	72	81	89	114	155	114	155	203		
4375	3543	2928	2268	3589	2787	2222	1935	2695	2347	1729	3208	2357	1804		
33	40	48	63	48	63	80	81	110	127	173	127	173	226		
130				130				180			180				
127	157	189	245	189	245	307	353	215	247	339	247	336	439		
500				500				350			350				
27	33	41	52	41	52	66	76	65	76	103	76	103	135		
2.6				2.6				4.4			4.4				
1										1		4			
60				80				120			150				
350				400				450			540				
150				150				180			200				
500				550				630			740				
305×305				355×355				402×402			455×455				
445×445				545×545				623×623			675×675				
80				80				100			100 ~ 120				
70				105				105			105				
4.9				6.7				6.7			6.7				
20				25				30			30				
15+7.5				20+7.5				20+7.5			25+7.5				
3.5				5				5.9			8				
200				200				400			500				
2				3				4.3			4.8				
3800×1290×1900				4200×1400×2000				5000×1350×2100			5710×1500×2200				

LF 320			LF 370			LF 507			LF 607			LF 707		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
55	60	65	60	65	70	65	70	75	70	75	80	75	80	85
630	749	880	890	1044	1211	1044	1211	1390	1470	1688	1921	1688	1921	2169
2169	1822	1563	2516	2144	1849	2144	1849	1610	2578	2245	1973	2457	2159	1913
700	833	978	989	1160	1346	1160	1346	1545	1634	1876	2136	1876	2135	2410
295			350			350			425			425		
831	989	1160	989	1160	1346	928	1077	1236	1077	1236	1406	1236	1406	1588
	350		350			280			280			280		
256	305	358	305	358	416	358	416	476	416	476	542	476	542	612
9			9			9			9			9		
						4								
320			370			500			600			700		
800			850			1100			1150			1150		
300			400			400			400			450		
1200			1360			1500			1550			1600		
610×610			665×665			710×710			805×765			860×810		
940×940			1020×1020			1100×1100			1250×1200			1330×1275		
100 ~ 120			100 ~ 120			150 ~ 200			150 ~ 200			150 ~ 200		
150			200			200			200	200		250		
9.9			9.9			9.9			9.9			13.7		
75			75			100			100			125		
60 ± 15			60 ± 20			75 ± 20			100 ± 20			100 ± 20		
15			16			21			26			30		
1000			1200			1400			1600			1800		
14			17			20.5			23.5			29.5		
7400×1900×2580			7800×2000×2650			8200×2100×2850			10500×2200×3100			11000×2200×3250		

THE MAIN MANUFACTURING EQUIPMENTS:
主要生產設備

TOSHIBA, Japan MPC-3000 (5 FACES)
CNC Numerical controlled-plano miller
日本東芝機械 MPC-3000 五面加工機

TOSHIBA, Japan MPC-2650 (5 FACES)
CNC Numerical controlled-plano miller
日本東芝機械 MPE-2650 五面加工機

MITSUBISHI, Japan MVR30 (5 FACES)
CNC Numerical controlled-plano miller
日本三菱 MVR30 五面加工機

JOHNFORD, SDMC-11000 (5 FACES)
CNC Numerical controlled-plano miller
JOHNFORD SDMC-11000 五面加工機

TOSHIBA, Japan BMC-100E (10 PLATES)
4 faces CNC machining center
日本東芝機械 BMC-100E 四面10盤
綜合中心切削加工機

TOSHIBA, Japan BMC-630 (6 PLATES)
4 faces CNC machining center
日本東芝機械 BMC-100E 四面6盤
綜合中心切削加工機

NDK, Japan JIN-20SB (3.7m) 10M
Nitriding stove equipment
日本 NDK JIN-20 純子氮化爐

TOSHIBA, Japan BF-130B
Floor-type horizontal
milling and boring machine
面加工機 BF-130B BF-130B
落地型臥式銑銸床

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