

嚴格品質把關

Rigorous Quality Control

百塑機器就是品質的保證

百塑為了徹底落實既定的品質政策，特別成立全面品質系統。在機器製造過程中，都定有詳細的品質標準，作為品質檢驗的依據。無論是進料檢驗、製程檢驗或最後機器成品檢驗與測試等，務必完全達到最高標準。目前百塑已通過ISO 9002國際認證。機器也通過CE認證，這是對百塑企業在追求品質的具體肯定。

Guaranteed Quality

To fully implement the company's quality assurance policy, Multiplas has set up a total quality control system. Each step during the manufacturing process has quality standards to follow. From incoming inspection, in-process inspection to final product inspection and testing, quality at each stage must reach the highest standards. Nowadays, Multiplas has been certified by ISO 9002 and their machines also certified by CE. These provide an approval for Multiplas' dedication to the pursuance of quality.

國際認證

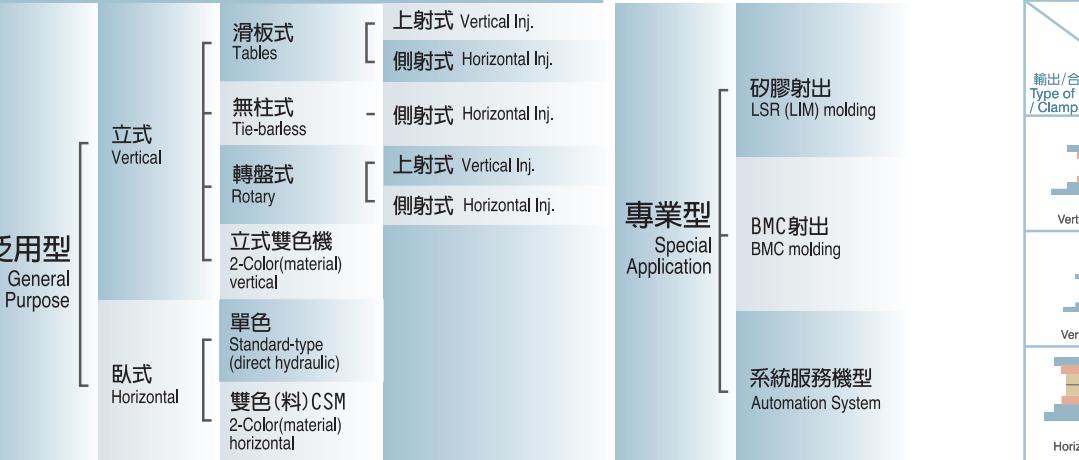
1997年1月 ISO 9002國際認證
1997年5月 通過歐洲機械安全CE認證
2005年5月 ISO 9002-2001國際認證

International Certifications

Jan 1997 ISO 9002 certified
May 1997 CE certified
May 2005 ISO 9000-2001 certified

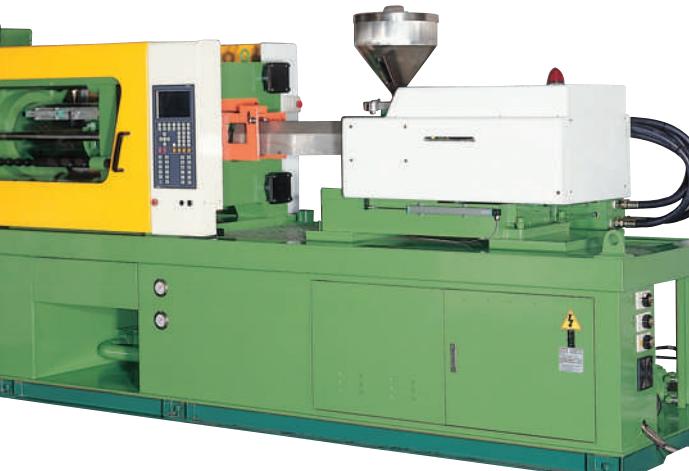


產品導覽 Product Guide



直立機射出/鎖模結構簡示 Injection/Clamping Configuration of Vertical Injection Molding Machine					
下模負載方式 Type of Mold Carrier					
	Fixed Bottom Platen	單模滑板 Slide Table (S)	雙模滑板 Double Shuttle Tables (SD)	轉盤 Rotary Table (R)	C型無機柱 C-frame Design (C)
V2	V2 - S	V2 - SD	V - R		
V4	V4 - S	V4 - SD	VC - R	VH - R	
VC					
VH	VH - S	VC - SD	VH - SD		
直立射出 Vertical Clamping					
V2	V2 - S	V2 - SD	V3 - R		
V4	V4 - S	V4 - SD	V4 - R		
VCU 15 - 55 tons 0.5 - 8 oz.					
直立射出 Vertical Injection					
VC	VH - S	VC - SD	VC - R	VH - R	
VH		VH - SD			
VCU 15 - 85 tons 0.5 - 8 oz.					
橫式射出 Horizontal Injection					

SM-200T-E



泛用型 - 臥式

- 多段SSR固態電驅電熱控制繼電器PID溫度控制。
- 獨特的恆溫射嘴。
- 高剛性FCD-45最佳化設計模板。
- 高效率、活動板低變形($\leq 0.02\text{mm}$)直壓式鎖模結構。
- 多種轉模芯功能(可供CSM雙/三色機選購)。
- 鎖模力自動檢出、顯示功能。
- 精準確定的低壓合模控制油路設計。

General Purpose - Horizontal Type

- SSR thermo control and PID temperature control.
- Nozzle with constant temperature control.
- High rigid platen made by FCD-45.
- High efficiency, low deformation ($\leq 0.02\text{mm}$) direct hydraulic clamping system.
- Rotation table and rotation core functions (option for 2/3-color machines).
- Self diagnostic and display functions for clamping force.
- Precision hydraulic system achieves accurate and low pressure clamping control.



V4-2R-120T

百塑射出成型機之特色說明及成型應用

Features and Applications of Multiplas Injection Molding Machine

泛用型 - 直立式

- 為上下開模、埋件成型較容易，且安全不易造成模具壓傷。
- 可多模選用，進而提高生產速度及容易控制品質，增加生產效率。
- 機體結構微垂直裝，拆裝十分容易且管路為開放式，保養及維修輕鬆簡易。
- 立式為上下開模，四面作業空間較大，配合自動拉帶裝置皆可達全自動嵌入成型之目的。
- 立式機安置空間較小，可移動機身，生產線上隨線作業。
- 可多色成型，省時、省力。

General Purpose - Vertical Type

- Up / down clamping allows easy insertion and enhances safety. Also the tooling would not be damaged easily.
- Multi-mold option can be selected to improve productivity, quality control and efficiency.
- The vertical structure of the machine and its flexible arrangement of wires and pipes allow easy assembly, disassembly and maintenance.
- Up / down clamping allows wider operation area on four sides of the machine. Lead frame device can be equipped to make insert molding process automatic.
- Less floor space required, more mobility, and on line or off line process easily.
- 2/3-color process saves time and improves efficiency.

LSR Series

液態矽膠系列

Liquid Silicone Rubber Injection Series

液態矽橡膠

深具市場潛力與開發性的原材料

與MOMENTIVE (GE東芝)有機硅的長期配合中，百塑累積了各項LSR事業之完備方案：
衛浴用品、醫護用具、嬰兒用品、體育產品、廚房配件、按鍵及密封件等。

您將體驗到低廢耗、高品質、高效益的快捷矽膠製品生產流程（包括原料整合及模具之開發）。

Liquid Silicone Rubber

A reliable material with a huge market potential and possibility for innovation

By working together with our partner, MOMENTIVE (GE Toshiba) Silicones for many years, Multiplas is well prepared to provide our customers with fully integrated LSR injection molding solutions for applications * Bathroom Products, Medical Devices, Baby Products, Sport Products, Kitchenware, Keypads and Seals . . .

Come and experience the low waste, high quality and high efficiency LSR production process with us. See how Multiplas assists you in implementing your ideas, from picking the right materials to mold design and making.



直立式 V-LSR Series

規格 Specifications

	射出裝置選項 INJECTION UNIT OPTION	單位 UNIT	A	B	C	D	E	F	G	H
INJECTION UNIT	螺桿直徑 Screw diameter	mm	Ø20 Ø25	Ø25 Ø30	Ø30 Ø35	Ø35 Ø40	Ø40 Ø45	Ø45 Ø50	Ø55 Ø60	Ø60 Ø70
	理論射出容量 Theoretical injection volume	cm³	31 48	64 98	98 134	144 188	200 254	286 353	475 565	622 846
	射出重量 Injection capacity(LSR)	g	33 52	69 105	105 143	155 203	217 274	308 381	513 610	671 914
	射出壓力 Injection pressure	kg/cm²	1715 1097	1618 1123	1555 1142	1382 1058	1367 1080	1354 1097	1336 1123	1554 1142
	射出速率 Injection rate	cm³/s	32 50	47 68	89 122	131 171	163 207	193 239	314 373	303 412
	螺桿轉速 Screw rotation speed	rpm	10 - 240	10 - 220	10 - 200	10 - 200	10 - 200	10 - 200	10 - 200	10 - 200
	模具電熱容量 Mold heating capacity	kW	2.5 x 3	3 x 3	4 x 3	5 x 3	8 x 3	10 x 3	12 x 3	15 x 3
	需求馬力 Required driving power	hp (kW)	7.5 (5.6)	10 (7.5)	15 (11.2)	20 (15)	25 (18.7)	30 (22.5)	40 (30)	50 (37.5)

	型號 MODEL	單位 UNIT	V2-15T-LSR	V4-35T-LSR	V4-55T-LSR	V4-85T-LSR	V4-120T-LSR	V4-160T-LSR	V4-200T-LSR	V4-250T-LSR
	射出裝置選項 INJECTION UNIT OPTION	序號 SERIES NO.	A	A, B	A, B, C	B, C, D	B, C, D, E	C, D, E, F	D, E, F, G	E, F, G, H
CLAMPING UNIT	鎖模力 Clamping force	ton	15	35	55	85	120	160	200	250
	最小模厚 Minimum mold height	mm	80 - 160	150 - 550	180 - 280	200 - 300	200 - 300	250 - 350	300 - 400	300 - 400
	開模行程 Opening stroke	mm	220	200	200	250	250	300	350	400
	最大開距 Maximum daylight	mm	280 - 360	350 - 450	380 - 480	450 - 550	450 - 550	550 - 650	650 - 750	700 - 800
	頂針行程 Ejector stroke	mm	50	60	70	80	80	100	120	150
	頂出力 Ejector force	ton	1.6	2.0	2.2	3.0	3.0	4.5	5.0	6.5

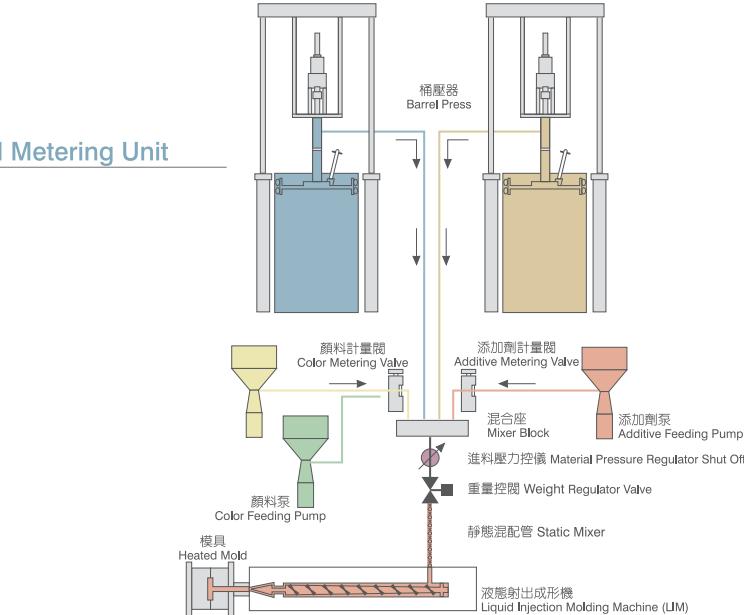
臥式 SM-LSR Series

規格 Specifications

	型號 MODEL	單位 UNIT	SM-50T-LSR
INJECTION UNIT	螺桿直徑 Screw diameter	mm	Ø30
	理論射出容量 Theoretical injection volume	cm³	84
	射出重量 Injection capacity(LSR)	g	76
	射出壓力 Injection pressure	kg/cm²	1701
	射出速率 Injection rate	cm³/s	82.7
	模具電熱容量 Mold heating capacity	kW	4 x 3
	螺桿轉速 Screw rotation speed	rpm	10 - 265
	鎖模力 Clamping force	ton	50
	最小模厚 Minimum mold height	mm	280

為配合設計的改進及更新，以上規格如有更改，恕不另行通知。
Due to continuous development of our products, specifications are subject to change without prior notice.
本公司亦接受特殊規格之訂製。歡迎垂詢。
Machine can be custom made upon request. Please call for further details.

計量混配系統配置 System Scheme of an LIM Metering Unit



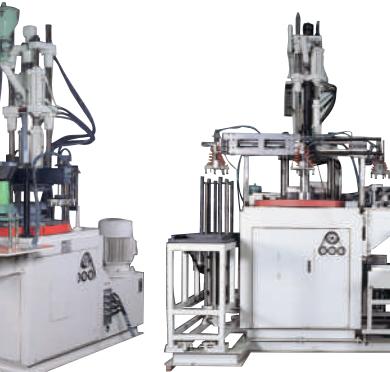
客戶的需求 + 我們的設計 = 生產自動化
Molding Requirements + Multiplas Design = Auto Molding System



V3-2R-85T-APC
Auto Insert-Takeout IMM
全自動嵌入-取出射出機



V3-2R-55T-APC
Auto Insert-Takeout IMM
全自動嵌入-取出射出機



V3-4R-85T-APC
Auto Insert-Takeout IMM
全自動嵌入-取出射出機



V3-2R-85T-APC
Auto Insert-Takeout IMM
全自動嵌入-取出射出機



V3-3R-55T-APC
Auto Insert-Takeout IMM
全自動嵌入-取出射出機



V3-2R-55T-APC
Auto Insert-Takeout IMM
全自動嵌入-取出射出機



V3U-R-150T
Vertical Rotary IMM
立式轉盤射出機



V4-50P
Transfer Machine
轉移成形機



V2C-S-50T
Vertical Rubber IMM
立式橡膠射出機



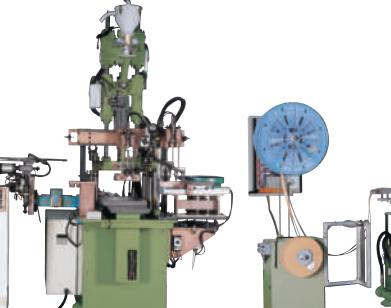
VH-10TL-2CX-ASR
Vertical Clamping Horizontal injection
立式合模·臥式射出成形機



LPM-1
Low Pressure IMM
低壓射出成形機



VH-S-160T-APC
Full Auto Golf Ball IMM
全自動高爾夫球射出機



V4-S-55T-APC
Auto Insert-Takeout IMM
全自動嵌入-取出射出機



V4-55T-APC
Lead Frame Continue IMM
連續料帶端子射出機



V4-S-200T-2C-APC
Full Auto Vertical 2-color IMM
全自動雙色射出



V4-S-250T-2C-APC
Full Auto Vertical 2-color IMM
全自動雙色射出



V4-S-160T-2C-APC
Full Auto Vertical 2-color IMM
全自動雙色射出



VT-35T
Table Top Vertical IMM
桌上型立式射出機



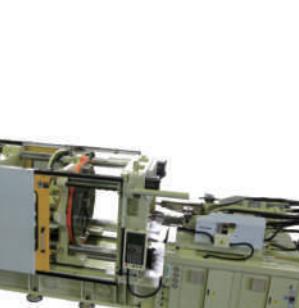
CV-20T
Bottom Up Top Down
Vertical IMM
上下同步合模立式射出機



V4-SD-55HC
High Speed Vertical IMM
高速立式射出機



HV-10T
L Type IMM
L型射出機



V4-85T-2C
Vertical 2-Color IMM
立式雙色射出機

VD
Mold Vacuum Device
模內真空裝置

