



## 規格表 Specifications

Item	項目		110Rx	150Rx	200Rx	240Rx	280Rx	340Rx	400Rx	450Rx
Screw diameter	螺絲直徑	mm	35 40	40 45	45 50	50 55	50 55	55 60	60 70	70 80
Theoretical shot volume	理論射膠容積	cc	117 231	260 329	366 452	497 610	497 601	656 780	910 1239	1416 1850
Theoretical shot weight(ps)	理論射膠量(PS)	g	186 243	273 346	384 474	522 631	522 631	689 819	956 1301	1487 1942
		oz	6.6 8.6	9.6 12.2	13.6 16.7	18.4 22.3	18.4 22.3	24.3 28.9	33.7 45.9	52.5 68.5
Length/diameter ratio	螺絲長徑比	L/D	22.9 20	22.5 20	22.2 20	22 20	22 20	21.8 20	23.3 20	22.9 20
Injection pressure	射膠壓力	Kg/cm <sup>2</sup>	2220 1700	2160 1707	2102 1702	2048 1693	2048 1693	1999 1680	2311 1698	2082 1594
Injection rate	射膠率	cm <sup>3</sup> /sec	78 102	80 101	131 161	134 162	189 228	271 322	233 319	345 451
Screw stroke	射膠行程	mm	184	207	230	253	253	276	322	368
Screw speed	螺絲轉速	rpm	225	160	210	145	205	200	170	195
Plasticizing capacity	熔膠率(PS)	Kg/hr	42 56	40 52	66 82	65 79	98 119	117 140	117 160	185 243
Carriage pull force	射台拉力	KN	52	52	52	82	82	82	108	127
Carriage stroke	射台行程	mm	255	300	320	360	400	435	435	480
Clamping force	鎖模力	ton	110	150	200	240	280	340	400	450
Max.daylight	模板最大間距	mm	680	820	906	1000	1105	1225	1450	1560
Clamping stroke	鎖模行程	mm	320	410	446	490	525	590	710	740
Distances btwn tie bars	四柱間距	mm	360x360	410x410	460x460	510x510	580x580	660x660	740x740	780x780
Max.mold thickness range	容模量	mm	150~360	150~410	150~460	175~510	200~580	250~660	250~740	300~820
Ejector force	頂針力	KN	37	37	44	44	60	60	100	123
Ejector stroke	頂針行程	mm	85	100	120	140	160	180	200	250
No.of ejector pins	頂針數	unit	1	5	5	5	9	13	13	13
Main motor power	主馬達功率	kw	11	11	15	15	30	37	37	45
System pressure	系統壓力	Kg/cm <sup>2</sup>	160	160	160	160	160	160	160	160
No.of heater zones	加熱區	unit	3+1	3+1	4+1	4+1	5+1	5+1	5+1	5+1
Heater input power	電熱功率	Kw	6.2	7.4	12.3	13.1	15.3	16.3	21.5	24.5
Net weight	淨重	Ton	3.3	4.5	5.5	7	8.5	11	14.5	17

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**華大機械**  
**WELLTEC MACHINERY**



**RX Series**

( 110-450 Ton )



Rx系列機，是我司新近推出的高精度、高速閉環射膠注塑機系列，其精度、穩定性極高，能滿足各種高要求客戶的需要，目前有110, 150, 200, 240, 280, 340, 400和450等八種鎖模力噸位機型；

Rx series machine, our latest introduced model, which is especially designed for high precision and high injection speed with servo grade closed-loop hydraulic system. This model of machine provide the best balance between high precision and stability performance and investment cost, it can fully satisfy the most demanding customers.



**主要優點/Main features**

- 採用全閉環控制高效能負載感應油壓系統，主要配置為德國先進的全閉環變量泵，反應靈敏性極高，大大提高了能源利用率，降低了能量損耗，節約了使用成本，同時安裝了高精度高壓過濾系統，保證了液壓循環油的清潔，延長了機器的使用壽命；

High efficient closed-loop control loaded sensing hydraulic system; the main component is servo grade closed-loop variable displacement pump from Germany, it could ensure high sensitivity and the shortest respond time. From this, we can achieve the biggest energy saving when running the production without sacrifice the machine performance. Machine standard equipped with the high pressure and precision filtering system can help to ensure the cleanliness of hydraulic oil, and hence prolong the working life of machine.

- 採用我司自主研製的具有歐洲標準的DE016C+的控制系統，穩定性可設計性極高，我可能在原有使用功能基礎上修改完善程序，滿足客戶的各種特殊需求，配有5.7寸彩色顯示屏，外形美觀大方，配合電子變量泵，機器性能更加穩定；

Machine is equipped with self develop multi processor based injection molding machine controller DE016C+. Featured with high stability and user-friendly, which can be easily modify included hardware and software to meet customer's special requests. 5.7 inches color LCD display and electronic close loop variable displacement pump ensure the machine can provide very stable performance.

- 螺桿有防冷啓動功能，保證了螺桿的使用壽命，射膠、射移、熔膠等部位均由歐洲進口名牌電磁閥控制，使整個射膠系統運行更加穩定，同時配有射膠壓力傳感器和射膠電子尺，保證了射膠精度；

Cold start protection function prevent accidental damage of injection screw. All motion of injection, carriage & plasticizing are continuous controlled by European famous brand name solenoid valves, it helps to maintain the high stability of injection function. Meanwhile, standard pressure sensor and linear position transducer for screw help to keep the precision of injection in high level.

- 機械結構具有高精度，高剛性和高安全係數，鎖模運動全程電子尺控制，機鉸採用高壓集中自動潤滑系統，保證了鎖模系統的使用壽命和使用精度，配有特快開鎖模功能，大大縮短了產品的成型周期；

Mechanical Toggle system is designed to have the following essential elements, high precision, Robust & sufficient safety factor. All clamping motion is monitored by linear transducer; and centralized automatic high pressure lubrication system is used to ensure the service life. Special design clamping hydraulic system to cope with the fast mold open & close function, improves cycle time & increase production volume.

- 全機各主要控制元件均採用歐洲進口名牌，其各主要性能均達到歐洲標準，電器、液壓、機器三重安全裝置，保證了操作使用的絕對安全可靠；

All major electrical components are imported from Europe, which helps to meet the highest European standard. With the electrical, hydraulic & mechanical safety devices, we can be sure the highest safety of operators to work with our machines.

**標準配置 (Standard Features)**

**鎖模部分  
Clamping Unit**

- 鎖模電子尺  
Linear transducer for clamping
- 安全保護裝置(機械/電器)  
Safety interlock (mechanical & electric)
- 機鉸高壓集中自動潤滑系統  
Automatic lubrication for toggle system
- 高剛性鎖模結構  
Robust clamping structure
- 特快鎖模功能  
High speed clamping function
- 加強開鎖模功能  
Strengthened clamping hydraulic system
- 自動調模功能  
Automatic mold height adjustment function
- 機板螺絲孔碼模面  
Slot mold platen design
- 頂針功能方式選擇(4種)  
Ejector mode ( 4 choice)

**射台部分  
Injection Unit**

- 射膠電子尺  
Linear transducer for injection
- 標準氮化螺桿  
Standard with nitrated screw
- 標準螺桿(螺桿直徑詳見參數表)  
Standard screw (Diameter refers to the specification page)
- 移動式料斗(普通)  
Movable hopper
- 料筒罩  
Barrel protection cover
- 螺桿防冷起動功能  
Screw cold start protection
- 加熱開關切換  
Heater on/off switch (software)
- 射膠壓力傳感器  
Injection pressure sensor
- 4段射速,4段保壓  
4 stages injection, 4 stages holding pressure
- 2段熔膠設定,2段預塑  
2 stages plasticizing setting, 2 stages decompression
- 防流涎功能  
Dropping prevention function
- 自動清料功能  
Auto purging function
- 射膠故障自動檢測  
Automatic detection of injection failure
- 壓力設換保壓控制  
Pressure control injection/holding switchover

**電氣部分  
Electrical Unit**

- DE016C+控制系統  
DE016C+ Controller
- 5.7寸彩色液晶顯示屏  
5.7" color LCD display
- 電腦溫控(帶PID控制)  
P.I.D. temperature control with fuzzy logic,
- 螺桿轉速顯示  
Screw rotating speed display
- 380V50HZ電壓  
Voltage 380v, 50HZ,3PH
- 電氣安全裝置  
Electric safety interlock
- 自動顯示故障  
Automatic fault detection
- 成品計數功能  
Production counter
- 電眼檢測  
Product photo sensor
- 1組220V 2+3照明插座  
220V socket x 1 set
- 1組380V 16A插座  
380V 16A socket x 1 set
- 1組380V 32A插座  
380V 32A socket x 1 set

**液壓部分  
Hydraulic Unit**

- 德國先進全閉環控制電子變量泵  
Closed-loop variable displacement pump from germany
- 全閉環控制高效能負載感應油壓系統  
Closed-loop proportional hydraulic system with load sensing feature
- 高精度高壓過濾系統  
High precision, high pressure filtering system

**模溫  
Mold Temperature**

- 2組開關式流量機 (110Rx、150Rx、200Rx、240Rx)  
Cooling water inlet / outlet x 2 sets (110Rx、150Rx、200Rx、240Rx)
- 4組開關式流量機 (280Rx、340Rx、400Rx、450Rx)  
Cooling water inlet / outlet x 4 sets (280Rx、340Rx、400Rx、450Rx)

**門罩  
Guard Door**

- 射台半封護罩  
Semi enclosure Injection safety guard
- 鎖模擋門 (加頂蓋)  
Clamping safety guard ( with top guard )