

JS 高級注塑成型機系列

UPGRADED PLASTIC INJECTION MOULDING MACHINE SERIES



JS 是您的壯健好伙伴
JS is Your Strong Partner for manufacturing



JS1300 (图片只供参考)

JS 高級注塑成型機系列

UPGRADED PLASTIC INJECTION MOULDING MACHINE SERIES

大容模、低耗電、高剛性、高效能
鎖模力300-2000t

Large Mould Accomodation, Low Energy Consumption,
High Rigidity, High Efficiency,
Clamping Force 300-2000 ton

鎖模部分 Clamping Unit

實現快速、高效能、高精度、高系統剛性。

High Speed, High Efficiency,
High Precision, High Rigidity

注射部分 Injection Unit

實現高塑化質量和效率、高響應動作。

High Plasticizing Quality and Efficiency, Fast Reaction Time

控制系統 Control Unit

符合國家標準GB22530安全要求。油路設置旁路過濾裝置。

Fully Complies to National Safety Standard GB22530

液控系統 Hydraulic System

滿足歐洲CE標準，控制可靠，精度高，響應快。

Complies to CE standard, High Precision, Fast Reaction



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機鉸優化設計，優化速度曲線，實現快速開合模。

鎖模機鉸部分，所有鉸接部位設計有高强度合金鋼套，有效保證運動精度和提高使用壽命。

Enhanced toggle design to achieve optimal mould open and close speed.

High strength steel bushings are used in the toggle system to achieve high precision and prolong machine life.

差動鎖模油路設計，提高開合模速度，減少開合模時間。

The differential hydraulic circuit design to increase mould open and close speed and therefore shorten cycle time.

模板采用箱型結構，應用有限元受力分析設計，加上高拉力合金鋼粗壯哥林柱，提供鎖模系統足夠剛性。

The box-shaped design of mould platens and the high tensile tie bars allow high rigidity clamping performance.

開合模行程大、熔模量大。

Large mould height accommodation and space between tie bars





射臺滑座機構是 T 型槽壹體化設計，
令滑行更穩定。

The design of T-shape slide-way
for movement of injection unit results
in highly stable operation.

兩組移臺油缸對稱配置，有效防止射咀漏膠。

Double hydraulic carriage cylinders ensure
secured contact between nozzle and mould
and prevent nozzle leakage.



特式分流設計及數碼螺杆背壓調校，使混
色均勻及達到最佳熔膠效果。

Special design of screw check valve and
digital screw back-pressure control allow the
best plasticizing result in both mixing and
melting.



數控熔膠背壓配置，提高塑化質量和效
率，適應不同塑料生產。

Digitized plasticizing back pressure control to
increase plasticizing quality and efficiency.





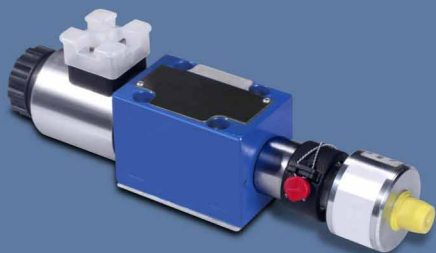
- 1 P-3系統微電腦由歐洲品牌原廠製造，除備有500套模具數據記憶及顯示操作參數外，還有錯誤操作提示功能。
- 2 可從電腦直接輸入壓力、速度、位置、時間及熔膠筒溫度數據。
- 3 採用高精度電子尺準確測量模板、螺桿及頂針位置。
- 4 採用PID溫度控制器配合半導體繼電器，可準確控制溫度及減少接觸點損耗，從而延長工作壽命。
- 5 符合歐洲CE標準及中國安全標準GB22530
- 6 注塑參數及模具資料可儲存於電腦或透過USB儲存於記憶卡內。

- 1 European-made and specially designed computerized controller Plastronic-3, P-3, shows all operation parameters and allows memory storage of 500 moulding data sets. It also gives warning messages in case of malfunction
- 2 Direct input of pressure, speed, position, time, moulding temperature and functions
- 3 Highly accurate potentiometers monitor mould, screw and ejector position
- 4 Built-in PID temperature control program and solid state relays in heater circuit give accurate moulding temperature and durable control circuit
- 5 Complies with European CE Safety Standards and China Safety Standards Gb22530
- 6 Injection and mould data can be saved in computer or memory card through USB.

液壓系統 Hydraulic System

液壓油路符合國家安全標準GB22530，
配置鎖模安全閥。

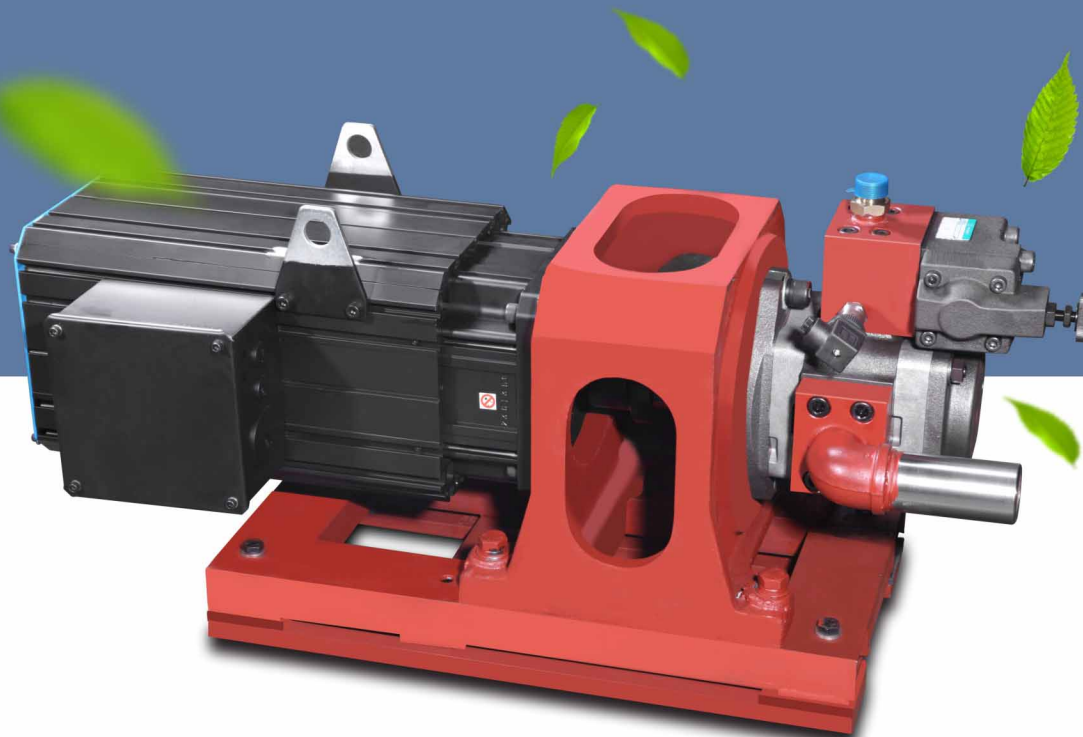
Hydraulic System complies to China Safety
Standard GB22530



ECOPOW 伺服節能系統 ECOPOW Servo Motor System

選擇伺服節能系統：高壓內嚙合齒輪泵+電機+驅動器。

The choice of servo motor system allows
for higher energy saving result and stability in production.



伺服節能系統 **節能70%**

Servo Motor System: Energy Saving up to 70%

標準配置

Standard Features

鎖模部分

- 差動鎖模控制
- 綫性電子尺控制開合模動作
- 模具低壓保護
- 紅外線電眼控制周期復始
- 調模行程限位裝置
- 5級鎖模壓力，速度獨立控制
- 5級開模壓力，速度獨立控制
- 不退式，震動或多次液壓頂出功能
- 更換模具時，可以選擇慢速開鎖模動作程式
- 安全模塊與安全閥配合確保鎖模安
- 容積式分配器，自動潤滑裝置及控制程式

注射部分

- 兩組移臺油缸裝置
- 鍍硬鉻氮化螺桿，氮化料筒
- 綫性電子尺控制注射動作
- 熔膠缺料報警
- 熔膠轉速顯示
- 熔膠背壓裝置
- 移動式卸料鬥裝置
- 防冷起動螺桿保護
- 時間或位置保壓切換
- 自動清洗料筒程序
- 獨立移臺控制
- 熔膠行程自動計算
- 熔膠前或熔膠後抽膠選擇
- 6級射膠壓力及速度控制
- 圖形顯示射膠壓力及速度設定數值
- 16A單相三孔插座

Clamping Unit

- Differential hydraulic circuit design
- Potentio-meters for controlling clamping and ejector position
- Low pressure mould protection
- Mould height adjustment limit switch device
- 5 stage independent clamping pressure & speed control
- 5 stage independent mould opening pressure & speed control
- Selection of non-return, vibration or multi-stroke ejection
- Slow mould opening and clamping allowed during mould set-up
- Use of hydraulic safety valve with electrical safety module ensures safety.
- Automatic lubrication device with allocation

Injection Unit

- Single injection cylinder device
- Double hydraulic carriage cylinders
- Nozzle safety cap
- Nitrided and chromium plated screw & barrel
- Precise potentio-meter for injection control
- Empty hopper warning
- Screw rotation display
- Digitized plasticizing back pressure control
- Moveable hopper
- Screw cold start protection device
- Holding pressure stage transition by time or position
- Automatic purging device
- Independent carriage control
- The screw decompression can be activated either before or after the plasticizing process.
- 6 stage independent injection speed and pressure control
- Graphic display of injection pressure and speed setting
- 16A single phase (220v) electrical socket receptacle

控制部分

- 采用PID控制溫度，配合使用固態繼電器控制溫度精度達到 $\pm 1^{\circ}\text{C}$ 。
- 配置7.4"彩色液晶顯示器，支持21種語言顯示。
- 可以通過SD記憶卡存取模具資料，運行結果，警報資料以及更新畫面程序。
- 設有多層密碼保護，防止資料被更動。
- 備有200套數據儲存記憶，增加外界記憶卡可以存儲更多。
- 支持21種語言顯示。
- 配有儲能射膠，兩組獨立抽芯，六組吹風，封膠針，電眼控制自動循環以及機械手等程序。
- 產品數據統計及自動監控功能，方便用戶進行統計及監控工作。
- 有保溫設定及定時開、關電熱功能，節省等待加熱的時間。
- 完善的警報及提示功能，給維護和操作提供了很大的方便。
- 警報及數值修改記錄200組可以查詢，給操作及維護提供了可追溯性。
- 顯示界面系統，規範，友好，便于操作。
- 主要元件采用進口品牌，保證控制的精度，穩定性及可靠性。
如：塑殼斷路器，限位開關，急停開關采用法國施耐德品牌。
電子尺采用英國PI品牌，重復精度可達 $\pm 0.01\text{mm}$ 。
- 規範的接地聯線，及漏電開關的使用確保操作人員免受電擊的危險。

Control Unit

- Heater circuit that consists of built-in PID temperature control program and solid state relays. Provides precision as high as $\pm 1^{\circ}\text{C}$.
- 8.4 inches coloured LCD monitor
- Injection, moulding and warning data can be saved in SD memory card.
- Multi-level password protection, prevents data be mistakenly changed
- Memory storage of 200 moulding data sets (External SD memory card is allowed more data storages)
- Choice of up to 21 language display
- Built-in sequence accumulator, 3 sets of core pulling with 2 sets of air ejector, 2 sets of core pulling with 4 sets of air ejector, photo cell detector and extractor program.
- Operation parameters analysis and automatic malfunction monitoring function
- Timer control for heater circuit saves waiting time and energy.
- Warning signal and reminder allow ease operation.
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- User friendly monitor system
- Imported control parts ensure precision, stability and reliability.
- Effective ground circuit and leakage breaker can ensure operator's safety.



官方微信公众号

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