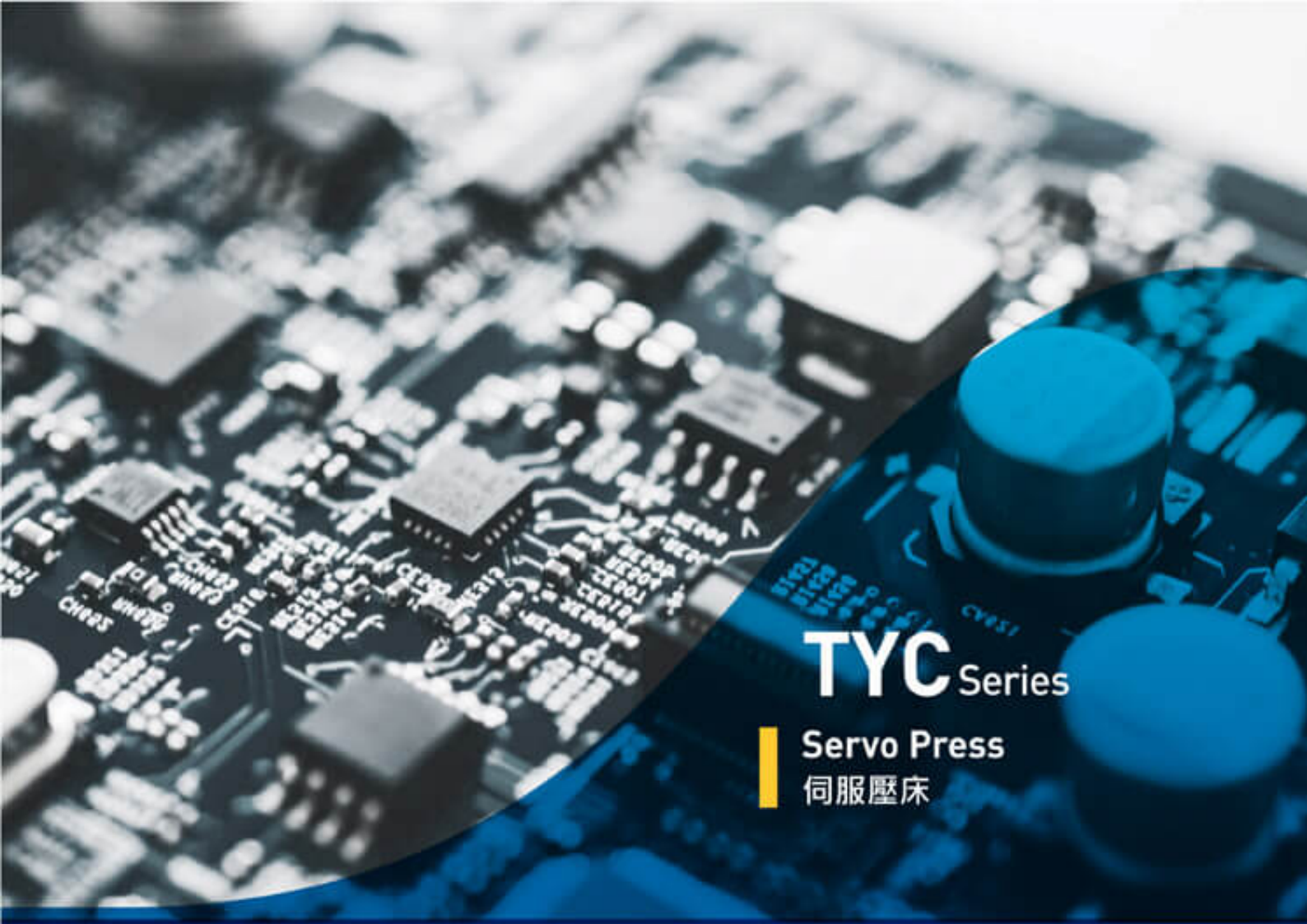




TYC Series

Servo Press
伺服壓床



 **TungYu**
FORMING INNOVATION

TYC Series Servo Press

伺服壓床

Advantages 優點



Drive screw
傳動螺桿



Servo motor
伺服馬達



Safety light curtains
安全光柵



Safety catcher
防落夾頭

Precise movement

精準動能

- The servo motor is directly connected to the lead screw head (or moveable traverser) through the transmission to have direct required load. The features are to precisely provide key parameters of working force, speed and position in production.
- 伺服馬達經由傳動機構連結導螺桿直結壓頭(或中座)，輸出工件所需荷載，準確提供製程所需出力、速度及位置。

Data tracking

數據追蹤

- Control parameters can be input from HMI, and action commands can be issued to driver through PLC and implement servo motor actuation to achieve high-precision control on working force, speed or position performance.
- 可從HMI輸入控制參數，透過PLC下達動作指令至驅動器，執行伺服馬達動作控制，達到高精度控制出力、速度或位置輸出。

Security Mechanism

安全機制

- Equipped with safety catcher to prevent top movement from free falling during operation. Equipped with safety light curtains to stop machine as operator or foreign object pass through protection zones.
- 搭配安全夾頭，防止作業中機構突然下墜；安全光柵保護，當人員或外物接近移動中機械時快速停止運作，避免發生損傷。



Energy-saving and precise force application, using clean energy to increase production capacity, is an optimized high-quality solution.

省電節能精準施力，潔淨能源增加產能，提供最佳化的高品質解決方案。

Features 特色



Energy saving and environment cleaning 節能潔淨

The power consumption rate of the servo motor is more economical than traditional motor + pump design. Without hydraulic system there is no oil leakage and low maintenance. It is suitable for working environments with low pollutions, such as electronics industry, biotechnology industry, etc.

伺服馬達耗電率比起傳統馬達+泵浦的耗電量更節省，未使用油壓系統無漏油問題，更適用於具低汙染要求工作環境，如電子產業、生技產業等。



Complete process setting function 完備工序設定功能

It is convenient for the user to set up process parameters and save portable files as backup. 方便使用者規劃壓合數據及判定工序設定，建立可攜式設定檔，作為應用範本。



Convenient data tracking and statistical result output 便利數據追蹤與統計結果輸出

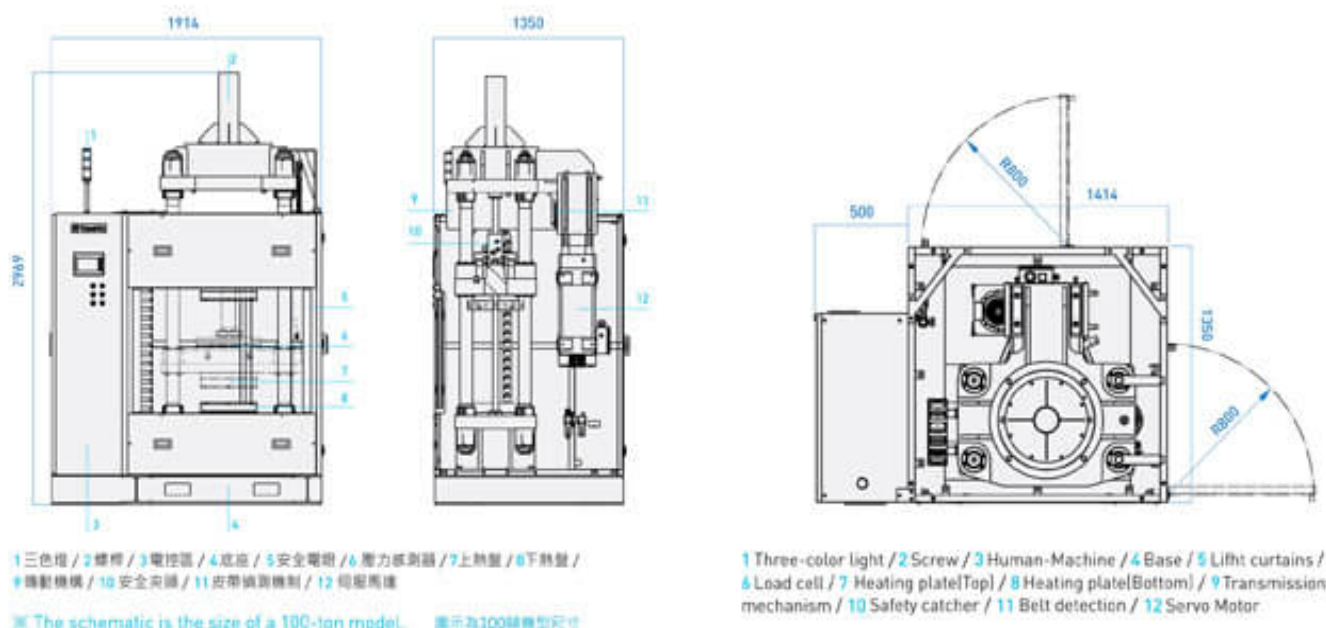
The data and graphs of each cycle could be presented as batch statistical information for tracking by operator easily. 可透過介面呈現每次壓合數據與圖表，計算各步序批量統計數據，壓合結果可輸出為報表，方便使用者後續追蹤。



Real-time monitoring of press status 即時監控壓合狀態

Display of cycle graph and monitoring of press status, sensors and statistics. 即時顯示壓合曲線，並監控壓合狀態、感測器、統計資料等數據，監控生產數量、良品率等資訊，有效提升控制效率與精度。

Dimensions 構造



Specification 機台規格表

ITEM 項目		TYC-100-E-PCD-UP	TYC-50-E-PCD-UP	TYC-30-E-PCD-UP
Nominal Pressing Force	標稱壓力 tons	100	50	30
Opening/closing speed	開啟/關閉速度 mm/s	50	50	50
Stroke(Adjustable)	行程(可調整) mm	600	600	600
Daylight	開檔 mm	650	650	650
Power	動力 kW	45	20.1	16
Heating power for each platen	加熱功率 kW	4.38	4.38	4.38
Heating Platen Size	加熱板尺寸 mm x mm	400 x 400	457.2 x 457.2	457.2 x 457.2
Working temperature	工作溫度 °C	180	180	180
Position Repeatability	定位精準 mm	Within +/- 0.01	Within +/- 0.01	Within +/- 0.01
Data Acquisition Sample Rates	數據採樣率 ms	1	1	1
Machine Size	外觀尺寸 mm x mm x mm	1350(W) x 1914(D) x 2969(H)	1208(W) x 1564(D) x 2739(H)	1052(W) x 1564(D) x 2620(H)
Machine Weight	機台淨重 kg	5240	3579	3050
Screw type	螺桿型式	Planetary roller screw 行星式滾柱螺桿	Ball screw 滾珠螺桿	

Remarks

The table is only a reference for common specifications. Other requirements are available.
Tung Yu will design suitable model types and specifications for you.

機種選擇

此表僅提供常見規格參考，如需其他規格之機型，歡迎來信或來電詢問，東誠將為您量身設計適合的機種類型與規格。

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