



CXE Series

全電式射出成型機

All Electric

Injection Molding Machine

SHINEWELL
Partners in Progress

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A new design of a 5-point, high-speed toggle mechanism, perfect optimizing from CX series.

It effectively reduces 30% the dry cycle time in comparison with CX series, and provides a larger size of the tie bar clearance, the platen layout, and more molds can be loaded.

五點式垂直高速曲手設計

配合電氣式驅動鎖模單元，由 CX 系列優化高速曲手設計，與油壓機相較縮短 30% 空循環時間，並加大柱內空間及橫板尺寸，適用更多不同尺寸的模具。

Injection axis driving with planetary type ball screw

German Rexroth PLSA series ball screw, featuring smooth function due to the principle of synchronized planet rollers inside the nut, effectively upgrading the loading capability and screw rigidity.

Very quiet operation, longer service life, compact design to present high power density, high positioning accuracy and repeatability.

射出軸驅動採用行星式滾珠螺桿

使用德製行星式滾珠螺桿，螺帽內設計多組滾柱使運轉時增加接觸面積，提升負荷能力和螺桿高剛度。低噪音運行、使用壽命長、安裝空間小、採用有效密封以減少潤滑油消耗，更加環保。

Multitple special functions performing on single machine

Simultaneous motion working by different axes can easily activate ejector on fly, or plasticizing on fly with shut-off nozzle, to shorten total cycle time and increase productivity. The function of injection compression performing for optical goods can upgrade the accuracy of surface and reduce stress left on the products. The motion sequences of different axes can be programmed as per special molding condition or mold structure that also upgrades machine working flexibility.

集各項特殊功能於一機

利用伺服馬達同步動作使各驅動軸可做複合作，開模中頂出或開模中儲料（需搭配閉式射嘴）動作可縮短生產循環時間，提升產能。使用射出壓縮成型功能於光學產品，可增加表面精確度及減少應力殘留。依模具特殊動作要求可程式編輯各軸動作先後順序，提高機台運用彈性。

Austrian KEBA i-8000 series state-of-the-art control unit

The Keplast i8000 series combines the latest multi-touch technology with an open control platform, offering the user state-of-the-art gesture operation, top performance and maximum individuality.

The 15.6" and 21.5" widescreen display sets new standards in operation. A smooth workflow with intuitive multi-touch gestures allows the process values to be set extremely quickly and reduces the time required for sampling and service.

KEBA i-8000 型高階控制器

i-8000 型控制系統提供最高階的控制器性能和最大的靈活性，利用最新螢幕多點觸碰手勢操作技術和開放的控制平臺結合在一起，提供使用者最大程度的個人化操控及完美的機台性能表現。可搭配標準 15.6 吋和進階 21.5 吋多點觸碰式螢幕，透過直覺式手勢設定讓使用者能迅速完成各項動作及性能設定，減少系統採樣時間。



Clamping and injection unit are traversing with linear guideways.

The movements of the clamping and injection units are supported by linear guideways, to achieve a perfect positional precision and to smoothly move at the motions of mould open, close, injection, plasticizing and carriage.

鎖模及射出單元採德製線性滑軌作動

鎖模單元及射出單元皆安裝高精密線性滑軌作動，增加開關模、射出、儲料及射座移動動作精準度，且在高速開關模及射出動作下有效降低磨擦阻力。

A wide selection of injection modules for the single clamping unit

The modularized injection unit commissions the high pressure, high speed, shot weight, etc., specifically for various molding terms. Three to four sizes of screws are selected in the basic mode and may be revised if requested.

射出單元模組化

根據成型品或塑料特性所需之高射出壓力、高射速或重量等條件，安裝適合的射出單元，滿足各式成型需求。

Japan-made motorized grease pump

A thousands-based frequency for a single lubrication cycle, which reduces the grease consumption, and provides an extended commissioning life of the toggle's components and 4 axes of ball screw and nut.

日系電動黃油泵

安裝專用油脂具耐高壓及耐磨耗特性，單循環潤滑設定數千模次，潤滑脂耗量大減，可延長曲手軸 / 銅套磨耗週期及確保各驅動軸滾珠螺桿及螺帽有效潤滑。

An independent circuit to control the power and a servo system for an easy maintenance and to avoid an interference issue.

控制、動力及伺服系統獨立線路，方便維修及避免干擾問題產生。

A fortified machine frame design makes the fast motions more stable in long-term production.

強化機架結構使機台在長期高速運轉時仍可保持生產穩定度。

Model	項目	Unit	CXE-120			
International Size	國際規格		1200H - 225			
● Injection Unit / 射出單元						
Screw Diameter	螺桿直徑	mm	28	32	36	40
Injection Pressure	射出壓力	bar	2873	2200	1738	1408
Holding Pressure	保壓壓力	bar	2298	1760	1390	1126
Theoretical Shot Volume	理論射出容積	cm³	80	105	132	163
Shot Weight (PS)	射出重量 (PS)	gram	71	93	118	145
Injection Rate	射出率	cm³/s	154	201	254	314
Plasticizing Capacity	可塑化能力	g/s	8	12	16	22
Screw L/D Ratio	螺桿長徑比	L/D	23	20	18	16
Theoretical Screw Speed	理論螺桿轉數	rpm	300			
Injection Stroke	射出行程	mm	130			
Injection Speed	射出速度	mm/s	250			
Temperature Zones	電熱段數	zone	N + 4			
Heating Capacity	電熱容量	kW	5.4			
● Clamping Unit / 鎖模單元						
Clamping Force	鎖模力	ton	120			
Mold Opening Stroke	開模行程	mm	360			
Space Between Tie Bars	四柱內距	mm	460 x 410			
Platen Size (HxV)	模板尺寸	mm	700 x 650			
Mold Height (Min.-Max.)	容模厚度	mm	150 - 480			
Daylight (Max.)	最大開模距離	mm	840			
Ejector Stroke	托模行程	mm	100			
Ejector Force	托模力	ton	4.0			
Minimum Mold Size	最小模具尺寸	mm	280 x 250			
● General / 其他						
Machine Dimension (LxWxH)	機械尺寸	m	4.90 x 1.37 x 2.06			
Main Breaker Capacity	主開關規格	amp	150			
Machine Weight	機械重量	ton	5.1			

上述規格數據可能經不斷研究改良而有變更，本公司保留修改數據之權利，規格修改恕不另行通知。

The specification presenting above is compiled at the time of printing and for the purpose of continuous machine development, Shine Well reserves the right to modify the data without prior notice.

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SHINEWELL

新緯機械股份有限公司
SHINE WELL MACHINERY CO., LTD.

70945 台南市安南區開安路51號

No. 51, Kai An Rd., Tainan 70945, Taiwan

Tel. 886-6-3563470 Fax. 886-6-3560082

E-mail. info@shinwell.com.tw

www.shinwell.com.tw



Agent