



鎰群科技股份有限公司
YICHEEN TECHNOLOGY CO., LTD.



半自動吹拉瓶機

Semi-automatic Stretch Blow Moulding Machine





COMPUTER CONTROL FOR OPERATOR- FRIENDLY OPERATION



銚群吹拉瓶機配備先進電腦控制器，此控制器經過精心規劃設計，專用於吹拉成型作業。採用高速CPU及最新MOS晶體設計，易學易操作。控制器擁有許多優異特性：

The Yieh Stretch Blow Moulding Machine is equipped with an advanced computer controller. The controller is designed specifically for stretch blow molding, utilizing advanced high-speed CPU and MOS chips for operator- friendly operation, making it easy to learn and operate. It integrates many fine features:

- * LCD螢幕。
- * 參數設定容易
- * 48組模具記憶功能。停電狀態時記憶可保存10年。
- * 可加裝記憶IC卡，資料記憶可無限擴充。
- * 輸入及輸出點都以LCD顯示，可迅速檢查故障原因。
- * 錯誤訊息、警告及提示等，都可在螢幕上一覽無遺。
- * LCD Screen.
- * Easy parameter setting.
- * 48 sets memory function for mold data. Data retention exceeds 10 years in case of power failure.
- * Extended IC memory card is available upon request. Providing unlimited memory extension.
- * Self detection by LCD display for input/output points provides fast diagnostics in case malfunction occurs.
- * Error messages, alarms and indications are comprehensively displayed on the screen.

直立式封口

廣口吹瓶採用直壓式油壓封口，超大型油壓缸致動，封口力高達7噸，並具保壓特性，徹底確保封口之牢固。

DIRECT-PRESSURE SEALING

The wide neck sealing motion employs hydraulically operated direct pressure drive. Oversized hydraulic cylinder provides high sealing force up to 7 tons, featuring pressure retaining to ensure extremely secure sealing effect.



開模、換模設計方便

油壓直壓式開模、換模設計，可免除四柱螺帽差距調整之麻煩，提升作業之方便性。

CONVENIENT MOLD OPEN AND MOLD CHANGE

Specialty designed hydraulically operated direct mold open and mold change eliminate adjustment of nuts on the four columns, while upgrading operation convenience.



燒胚機出口調整

燒胚機出口處，上下左右差距為可調式，以因應各種瓶子型式、尺寸。

PREFORM HEATER OUTLET ADJUSTMENT

The preform heater outlet can be adjusted in vertical and horizontal direction to suit all types and sizes of bottle.

本機採用螢幕式電腦控制系統，有48組記憶組，不足時可選配IC記憶卡，輸出輸入自我檢測，可快速檢查故障原因，並在螢幕顯示錯誤訊息警告及提示。

The machine is equipped with a LCD control panel. The controller provides 48 sets of memory. When requested, an optional IC card is available. Self-diagnostic I/O ensures convenient troubleshooting. Error message alarm and indication are displayed on the screen.



直立式同步加壓

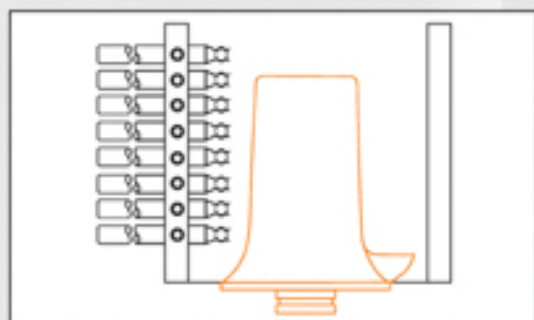
廣口拉瓶採用油壓及氣壓系統，配合直壓式同步加壓再拉吹，動作迅速，提升效率，操作簡易。

DIRECT SYNCHRONIZED PRESSURE

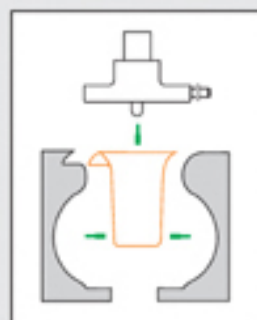
The wide neck stretch blowing is operated through hydraulic and pneumatic systems, combined with direct synchronized pressure prior to stretch blowing for fast motions. This greatly improves operation efficiency and convenience.

動作示意圖

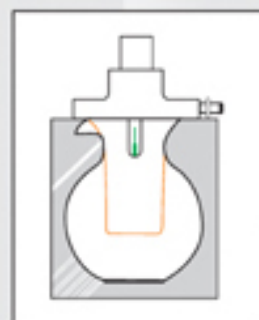
OPERATION ILLUSTRATION FIGURE



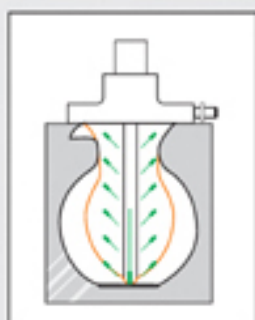
保溫加熱烘胚機，提供吹製胚瓶各部均勻的成型溫度條件。
The preform heating machine provides maximum heating temperature distribution on the entire preform.



油壓直接鎖模開模，無震動及噪音提供吹製成型模具與胚瓶最佳的成型配合條件。
Hydraulically operated direct mold clamping features vibration-free and noiseless motions. It upgrades molding performance for mold and preforms.



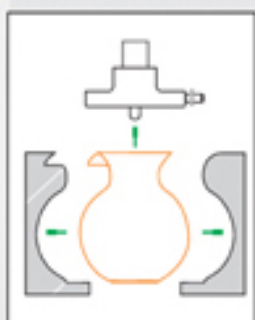
油壓直接封口，提供很好的防漏效果拉吹桿頭導入。
Hydraulically operated direct sealing fully avoids leakage when the stretch blow pin enters.



拉控鎖拉胚一次吹製成型。
The stretch blow pin stretches the preform for fast molding.



二次後段定型吹製成型。
Second step blow molding to achieve accurate bottle shapes.

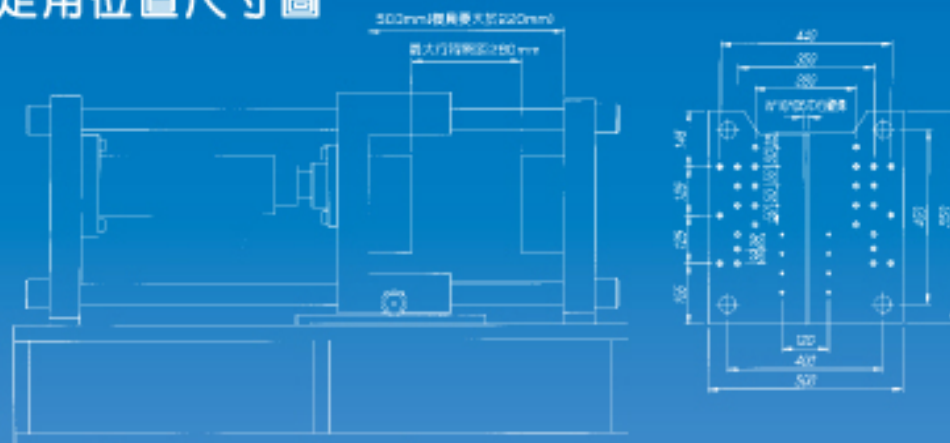


開模
Mold open.



脫模成品
Ejected finished product.

模具固定用位置尺寸圖



規格 SPECIFICATIONS

型式	MODEL		B1507	B2507	B5007
油空加壓能力 HYDRAULIC CLAMPING CAPACITY					
• 關機加壓力	Clamping force	ton	15	25	50
• 瓶子封口加壓力	Sealing clamping force	ton	7		7
• 空壓吹瓶壓力	Blowing pressure	kg/cm ²	20~35		20~35
• 空壓拉桿壓力	Stretching pressure	kg/cm ²	8		8
• 高壓耗氣量	High pressure air consumption		500	700	1000
• 低壓耗氣量	Low pressure air consumption		100		300
模具組尺寸成型尺 MOLD					
• 模具最大尺寸	Maximum mold sizes	mm	L:320 W:300 H:400	L:320 W:450 H:400	L:450 W:500 H:550
• 模具最小厚度	Minimum mold thickness	mm	230		320
• 模具行程	Mold stroke	mm	280		350
• 拉桿行程	Stretching stroke	mm	350		550
• 模穴數	Number of cavities		1		1
瓶型組尺寸 CONTAINER					
• 瓶子最大容量	Maximum container volume	ltr	6	10	20
• 瓶子最大牙部	Minimum container neck portion	mm	10		160
• 瓶子最大直徑	Maximum container diameter	mm	230	260	300
• 瓶子最大高度	Maximum container height	mm	300	350	450
電力耗量 POWER CONSUMPTION					
• 電力總耗量	Total power consumption	Kw	46	48	52
• 加熱功率	Heating power	kw	40		40
• 生產能力		pc/hr	80	60	40
Production capacity (theoretical capacity)					

本機採用觸摸式LCD電腦控制系統。以上數據不斷研發進步，僅供參考。

The machine is computer controlled with LCD screen. Specifications and design characteristics are subject to change without prior notice.



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