

全自動 PET 吹瓶機 PET Automatic Stretch Blow Molding Machine

少量多樣的新選擇

Small capacity of diversity bottle production line



機台優勢 OUTSTANDING

TARGET

經濟實惠新選擇

Excellent Value, New Choice.

OPTION

1. 適用少量多樣化吹瓶行業
2. 適用於厚、長、重的瓶胚
1. Suitable for small capacity of diversity production blowing industry.
2. Suitable for thick, long and heavy preform.

WORTH

- | | |
|---------|---------------------|
| 1. 操作簡便 | 1. Simple operation |
| 2. 動作穩定 | 2. Stable movement |
| 3. 節能環保 | 3. Energy-saving |

STRUCTURE

- | | |
|----------------|---|
| 1. 採用星輪式入胚 | 1. Adopt star-wheel preform infeed |
| 2. 採用懸吊連續式集中加熱 | 2. Adopt preform hanging heating system |
| 3. 採用伺服氣壓作動 | 3. Adopt servo-pneumatic movement |



應用範圍 APPLICATION

大容量 Large Volume



其他類 Other



醬料瓶 Sauce Bottle



化工瓶 Chemical Bottle



LM SERIES 機台結構 MACHINE STRUCTURE

A 入胚系統 Preform Infeed System

- 輸送帶將瓶胚從料桶至整列機，再將瓶胚自動排列成序後單道送胚。
- 透過星輪將瓶胚送至公轉系統，適用於瓶胚牙口的多樣化。
- Preform from hopper transfer to unscramble, automatically deliver to single channel by sequence.
- Through star-wheel, preform deliver to transfer system, suit to variable neck preform.

B 公轉系統 Transfer System

- 採用伺服馬達驅動。
- 瓶胚以水平式移動，不須翻轉動作且結構簡單。
- 有效縮短加熱間距，減少能耗並提高加熱效率。
- Driven by servo motor.
- Preform move vertically without rotation and simple mechanism.
- Shorten heating pitch efficiently to decrease energy waste and increase heating efficiency.

C 加熱系統 Heating System

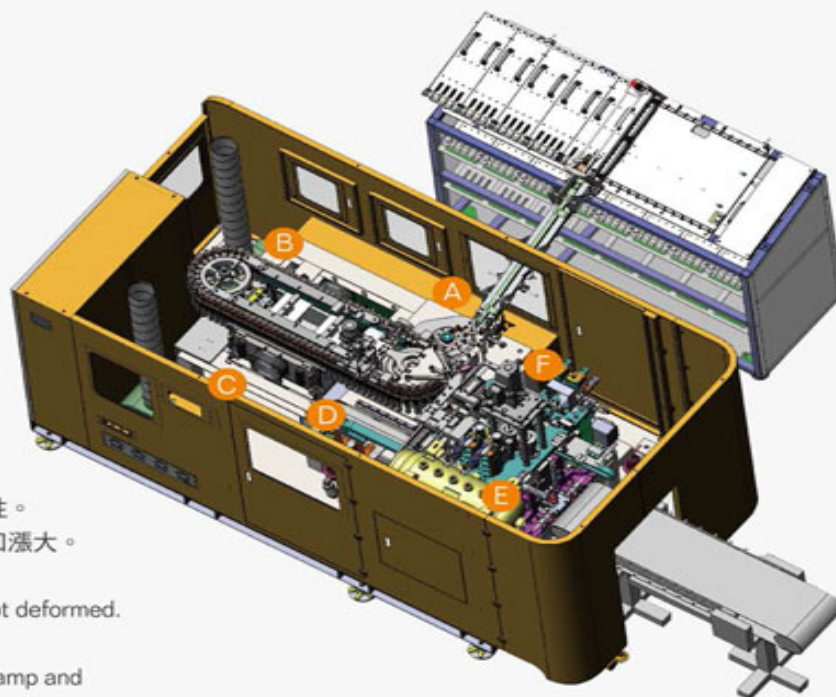
- 採用連續式集中加熱方式。
- 瓶胚牙口朝上，瓶胚不會因加熱後產生歪斜的情況。
- 燈管控制採用線性SCR控制器，確保瓶胚受熱均勻。
- 加熱箱為翻轉式設計，提昇燈管及冷卻水道維修保養的便利性。
- 冷卻水道及吹冷裝置，有效隔離牙口，避免加熱過度造成牙口漲大。
- Adopt continuously centralized heating method.
- Preform neck heading upward, preform in heating process will not deformed.
- Linear SCR controller to ensure preform heat evenly.
- Heating oven with flip-style design, enhance maintenance of IR lamp and cooling ramp.
- Cooling ramp and air blowing device, effectively isolating preform neck to avoid preform neck deformed causing by overheating.

D 移位及變節距系統 Displacement and Variable Pitch System

- 移位採用伺服馬達，以確保精確定位。
- 變導程採用氣缸結構動作與伺服訊號追隨，以確保運轉穩定。
- Displacement adopt servo motor to ensure accurate position
- Variable pitch control adopt air cylinder mechanism movement follow by servo signal to ensure stable movement.

E 成型系統 Clamping System

- 成型組採用氣壓式作動，頂塊式結構進行鎖模。
- 加熱後瓶胚透過變導程，再由夾爪將瓶胚送進模中吹瓶成型。
- 採用快速換模結構，操作簡單。
- Adopt air cylinder movement and top clamping block structure
- Through variable pitch guide way, gripper delivery preform to clamping for blowing process.
- Adopt fast SMED structure and simple operation.



F 拉吹系統 Stretching System

- 拉吹組採用氣壓式作動。
- 搭配高速精密吹氣閥組，吹瓶後的高壓氣體回收，轉化作操作壓力使用，以減少氣耗。
- Adopt with air cylinder movement.
- With high speed precision blowing valve, air recovery after blowing converting to pressure operation to reduce air consumption.



機台規格表 LM SERIES SPECIFICATION

LM SERIES		Unit	TLM02M	TLM02L	TLM04S	TLM04M	TLM04X	TLM06S	TLM06M
			CLM02M	CLM02L	CLM04S	CLM04M	CLM04X	CLM06S	CLM06M
成型組規格		Clamping System							
模穴數	No. of cavities	cavities	2	2	4	4	4	6	6
胚頭數	No. of preform holder	pcs	56	90	112	112	136	136	136
加熱間距	Heating pitch	mm	38.1	76.2	38.1	38.1	50.8	38.1	38.1
瓶子間距	Cavity pitch	mm	120	240	80	120	190	80	120
瓶型規格		Container							
瓶子最大容量	Max. volume	Liter	2	12	0.75	2	6	0.75	2
牙部尺寸(外徑)	Preform neck diameter (O.D.)	mm	18-30	65	18-30	18-30	45	18-30	18-30
最大瓶胚高度	Max. preform height	mm	150	190	100	150	150	100	150
最大瓶身直徑	Max. bottle diameter	mm	110	210	70	110	180	70	110
最大瓶身高度	Max. bottle height	mm	320	450	240	320	350	240	320
電控規格		Electrical System							
加熱箱數	Heating oven	units	2	6	4	4	4	6	6
燈管數量	No. of infrared lamp	pcs	18	48	28	36	48	42	54
加熱最大功率	Max. heating power	kw	34	96	44	68	64	66	92
配置功率	Max. installed power	kw	38	100	48	72	68	70	96
電壓	Power supply	Voltage	380V / 220V						
機台規格		Machine Spec.							
主機尺寸(LxW)	Machine dimension (H:3.2)	M	2.5X1.7	5.6X2.1	3.5X1.7	3.5X1.7	5.1X2.1	5.1X1.8	5.1X1.8
機台重量	Machine weight	kg	3000	7000	6000	6000	7000	7000	7000
理論產能	Theoretical output (in-line)	B.P.H.	2000	2000	4000	4000	4000	6000	6000
實際產能	Actual output	B.P.H.	依客戶提供的瓶型規格、瓶胚設計和品質而定。Based on the bottle shape, preform design and quality.						

※產品規格若有變更，恕不另行通知。Products are subject to change without notice.

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