



嘉明機械股份有限公司

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CHIA MING MACHINERY CO., LTD.

PET STRETCH BLOW MOLDING MACHINE

CMA / CMS Series

| *Standard*
| *Mid-large*
| *Semi-Auto*
| *Special*



cm-pet.com



[youtube](https://www.youtube.com)

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Standard

Fully Automatic / Electric / Chain Type

For bottles 600ml~ 1500ml

標準自動化鏈條式機型，節省人工成本，生產600ml~1500ml瓶子

Features 機台特點：

- Orientation and delivery of preforms is in an orderly fashion to the machine. Accurate position control of preform is achieved by pneumatic system.
瓶胚經由整列機排列而下，氣缸上升定位，簡單而快速。
- Accurate temperature control of infrared heaters in various zones of the oven is achieved by electronic control. Rotation of preform holding mandrels enables the circumference of preform at each zone to be evenly heated.
自動加熱系統採用紅外線燈管，加上自轉馬達控制，使瓶胚加熱更均勻。
- Bi-axially oriented bottles from the molds are picked up by robotic arms and placed in an upright position on an optional in-line conveyor or leak testing systems.
瓶身直立由機械手取出，精準快速。另可加裝輸送系統或側漏系統。
- Computer touch screen communicates with the PLC. All actions of the machine can be seen on the screen. System has several sets of memories. The system diagnoses and displays the problems on the screen to make trouble shooting easier.

電腦觸控式螢幕，搭配PLC可程式控制系統，各項動作操作即顯示明確，穩定性高，參數設定及修改容易，可記憶多組模具設定參數，如有故障，均在螢幕顯示，維修簡易。



model: CMS-M4



Standard-small

Fully Automatic / Electric / Chain Type

For bottles less than 600ml

標準自動化鏈條式機型，適用於生產小於600ml的瓶子

This is a new generation of fully automatic and versatile machine for production of PET small bottles with volumes up to 600ml. Ideally suitable for mid to large scale factories.

此機型可生產最大至600ml容器，市場區隔明顯，產量穩定快速，適合中大型工廠。產品應用有小水瓶，化妝品瓶，藥水瓶，旅行用瓶罐。



model: CMA-D3

01

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SPECIFICATIONS

MAIN FEATURES	CMA-2000S	CMA-3000S	CMA-4000S	CMA-6000S	CMA-D3	CMA-D4	CMA-D6
Full Electric Available	CMS-M2	CMS-M3	CMS-M4	CMS-M6	CMS-D3	CMS-D4	CMS-D6
Number of cavities 容積數	2	3	4	6	3	4	6
Max. neck diameter 瓶口外徑	φ25~φ38	φ25~φ38	φ25~φ38	φ25~φ38	φ25~φ33	φ25~φ33	φ25~φ33
Max. bottle capacity 最大瓶身容量	1500 ml	1500 ml	1500 ml	1500 ml	600 ml	600 ml	600 ml
Max. body diameter 最大瓶身直徑	95 mm	95 mm	95 mm	95 mm	65 mm	65 mm	65 mm
Max. bottle height 最大瓶身高度	320 mm	320 mm	320 mm	320 mm	250 mm	250 mm	250 mm
Max. production capacity 成形能力	1440~2000 bph*	2160~3000 bph*	2880~4000 bph*	4320~6000 bph*	3000 bph*	4000 bph*	6000 bph*
Preform carry pitch 瓶胚座間距	114.3 mm	114.3 mm	114.3 mm	114.3 mm	76.2 mm	76.2 mm	76.2 mm
Mold center distance 模具中心距離	114.3 mm	114.3 mm	114.3 mm	114.3 mm	76.2 mm	76.2 mm	76.2 mm
No. of preform mandrels 瓶胚座數	40	62	76	96	57	64	102
No. of oven 烤箱數	2	4	4	6	2	2	3~4
No. of infrared heaters/oven 每個烤箱內，紅外線燈管數	6	8	8	8	6	6	6
Heating power 電熱加熱容量數	25.6 kw	52 kw	52 kw	76.8 kw	20 kw	20 kw	29~38.4 kw
Air pressure (Low-High) 低壓-高壓	7-35 kg/cm ²	7-35 kg/cm ²	7-35 kg/cm ²	7-35 kg/cm ²	7-35 kg/cm ²	7-35 kg/cm ²	7-35 kg/cm ²
Cooling water capacity 冷卻水量	14000 kcal/h	18000 kcal/h	24000 kcal/h	24000 kcal/h	18000 kcal/h	18000 kcal/h	24000 kcal/h
Water consumption 耗水量	70 l/min	80 l/min	80 l/min	80 l/min	80 l/min	80 l/min	80 l/min
Water temperature 水溫	10~12°C	10~12°C	10~12°C	10~12°C	10~12°C	10~12°C	10~12°C
Pressure 壓力	5 bar	5 bar	5 bar	5 bar	5 bar	5 bar	5 bar
Total installed power 機台總耗電量	28 kw	56 kw	56 kw	82 kw	22 kw	22 kw	33~43 kw
Machine dimension 機台尺寸	2,45x1.7x2.2 m	3,75x1.85x2.2 m	4,3x2.15x2.2 m	2,2x5.0x2.2 m	2,1x1.86x2.2 m	2,7x1.85x2.2 m	3,8x2.22x2.2 m
Machine weight 機台重量	4.5 ton	6.5 ton	7 ton	8 ton	3 ton	3 ton	5 ton
Optional Function 選配功能/設備	Air recycle system、Conveyor						

* Depends on the preform design, preform thickness, bottle design, and quality of PET preform.

* 產量取決於瓶胚設計、瓶胚厚度、瓶子設計和PET瓶胚品質。

All specifications and designs are subject to change without notice.
以上隨時不斷研發改進，數據僅供參考，若有變更，恕不另行通知。

**STANDARD
TO
CUSTOMIZED**

Mid-Large

Fully Automatic / Electric / Chain Type

For up to 6L bottles / jars / flat bottles

適用於生產中大型容器、廣口瓶、扁平瓶

This is a new generation of fully automatic and versatile machine for mass production of PET mid-large bottles with volumes up to 6000ml. Applications are clean lotion, edible oil, detergent, food package, pickle food, etc.

此機型可生產最大至6公升容器。產品應用範圍有清潔瓶、食用油瓶、食品包裝廣口容器、醃製食品等。

Handle Insertion

把手(前)植入機械手臂裝置

To make bottle easier to carry and pour, bottle with handle is a new trend for new product design, especially for family size packs. This series is available to cooperate with robot device which automatically insert handles into a mold before blowing.



model: CMS-BD



SPECIFICATIONS

MAIN FEATURES	CMA-2000BD	CMA-2000CS	CMA-2000CD
Full Electric Available	CMS-BD	CMS-W1	CMS-W2
Number of cavities 容積數	2	1	2
Max. neck diameter 瓶口外徑	φ38~φ90	φ63~φ120	φ63~φ120
Max. bottle capacity 最大瓶身容量	2000 ml	6000 ml	6000 ml
Max. body diameter 最大瓶身直徑	120 mm	180 mm	180 mm
Max. bottle height 最大瓶身高度	320 mm	340 mm	340 mm
Max. production capacity 成形能力	1200 bph*	600 bph*	1200 bph*
Preform carry pitch 瓶胚座間距	152.4 mm	228.6 mm	228.6 mm
Mold center distance 模具中心距離	152.4 mm	228.6 mm	228.6 mm
No. of preform mandrels 瓶胚座數	44	28	38
No. of oven 烤箱數	3~4	3	4
No. of infrared heaters/oven 每個烤箱內、紅外線燈管數	8	8	8
Heating power 電熱加熱容量數	38~52 kw	43 kw	58 kw
Air pressure (Low-High) 低壓-高壓	7-35 kg/cm ²	7-35 kg/cm ²	7-35 kg/cm ²
Cooling water capacity 冷卻水量	18000 kcal/h	14000 kcal/h	18000 kcal/h
Water consumption 耗水量	80 l/min	70 l/min	80 l/min
Water temperature 水溫	10~12℃	10~12℃	10~12℃
Pressure 壓力	5 bar	5 bar	5 bar
Total installed power 機台總耗電量	42~56 kw	45 kw	62 kw
Machine dimension 機台尺寸	3.5x1.9x2.2 m	3.45x1.9x2.2 m	4.5x2.25x2.2 m
Machine weight 機台重量	6.5 ton	6.5 ton	7 ton
Optional Function 選配功能/設備	Air recycle system、Mold sweat protector、Voltage stabilizer		

* Depends on the preform design, preform thickness, bottle design, and quality of PET preform.
All specifications and designs are subject to change without notice.

Semi-Auto

Semi-auto / compact size

For small to large applications

半自動機型，佔地面積小，簡易操作，適用於各類型產品

Small size and compact construction with no space waste. It is suitable for small and medium scale factories. Semi-auto machine offers easy operation and maintenance.



model: CMH-1000C(1+1)

model: CMH-1000B(1+2)

SPECIFICATIONS

MAIN FEATURES	CMH-1000B	CMH-1000C
Number of cavities 容積數	1~2*	1
Max. neck diameter 瓶口外徑	φ15~φ120	φ28~φ150
Max. bottle capacity 最大瓶身容量	5000 ml	25000 ml
Max. body diameter 最大瓶身直徑	40~210 mm	280 mm
Max. bottle height 最大瓶身高度	350 mm	500 mm
Max. production capacity 成形能力	450~900 bph**	60~120 bph**
Preform carry pitch 瓶胚座間距	-	-
Mold center distance 模具中心距離	210	-
No. of preform mandrels 瓶胚座數	13~20	-
No. of oven 烤箱數	2~4	4
No. of infrared heaters/oven 每個烤箱內，紅外線燈管數	8	8~13
Heating power 電熱加熱容量數	<32 kw	<48~104 kw
Air pressure (Low-High) 低壓-高壓	7~35 kg/cm ²	7~35 kg/cm ²
Cooling water capacity 冷卻水量	12000 kcal/h	20000 kcal/h
Water consumption 耗水量	70 l/min	120 l/min
Water temperature 水溫	10~12°C	10~12°C
Pressure 壓力	5 bar	5 bar
Total installed power 機台總耗電量	<35 kw	<52~107 kw
Machine dimension 機台尺寸	1.85x1.03x2.3 m (oven) 1.7x0.87x2.3 m (blower)	2.74x1.2x3 m (oven) 2.8x1.14x3 m (blower)
Machine weight 機台重量	2 ton	2.5 ton
Optional Function 選配功能/設備	Additional blower	

* 2 cavities only available for bottle body diameter up to 210 mm.

* 一機兩穴僅限於瓶身直徑最大至210 mm

** Depends on the operator and bottle design.

** 產量取決於瓶胚設計，瓶胚厚度，瓶子設計和PET瓶胚品質。

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Turnkey

PET 整廠設備

Our service caters to a turnkey PET bottles, containers and jars. From pre-sale consultation to setup a complete plant including machinery and peripheral equipment planning, also estimate perfect after-service system.

迎合客戶個別需求，嘉明可為客戶設計規畫全系列整廠設備，建立完善售後服務。

Services

- High Pressure Air Compressor
高壓空壓機
- Low Pressure Air Compressor
低壓空壓機
- High Pressure Air Dryer
高壓乾燥機
- Chiller
冷凍機
- Cooling Tower
冷卻水塔

- Precision Filter
精密過濾器
- Mold
吹瓶模具
- Preform Feeding Device
瓶胚輸送機
- Mold Temperature Controller
模溫機
- Leak Testing Device
側漏機

Water bottles
寶特瓶



Jars
廣口瓶



Handle bottles
把手瓶



Flat bottles
橢圓/扁平瓶



Cosmetic Bottles
化妝品瓶罐



Water Tanks
大容量桶



COMPLETE SOLUTION

Chia Ming

Manufacture of Blow Molding Machine since 1992. We are devoted to produce machines nearest to customer's production need. Market world wide and deliver a complete package of post sale services.

嘉明機械設廠於1992年，為台灣之中空成型機及PET二步法拉吹機的專業製造廠。我們致力於生產最接近客戶生產需求的機器。銷售範圍遍布全球，並且提供完整的售後服務。