

SS

MAX. CAPACITY. 10ML-10L CAVITY. 1-12

SERIES

**ONE STAGE INJECTION
STRETCH BLOW
MOLDING MACHINE**



Quality & Flexibility in Single Stage

一站實現品質與多樣化
雙重需求

CPSB-SS 雙軸延伸拉吹機

模穴數：1-12

瓶子最大容量：10ml-10L





Production Flexibility

SS Series offers exceptional production flexibility, capable of producing bottles ranging from 10cc (12 cavities) to 10L (single cavity), depending on the neck size. Compatible with various resins including PET, PET-G, rPET, and TRITAN, it fulfills diverse bottle production needs with just one machine.



Wide Product Range

Specifically engineered for small-volume, diversified production and unique bottle designs. Whether for pharmaceutical, cosmetic, perfume, detergent, baby bottles, or other customized shapes, this machine delivers the flexibility to meet all production requirements.



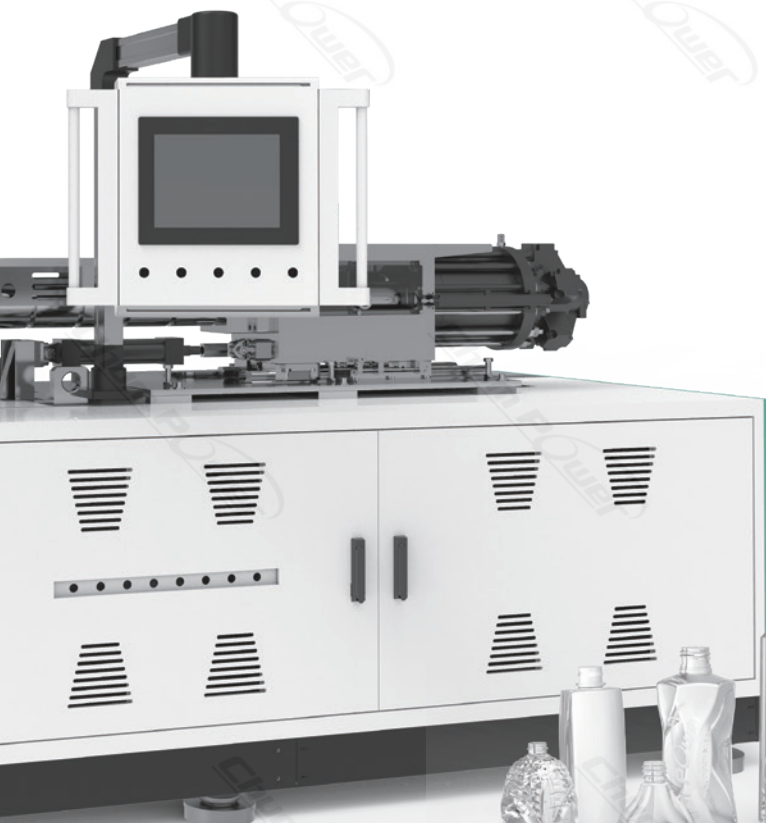
產品適用範圍廣

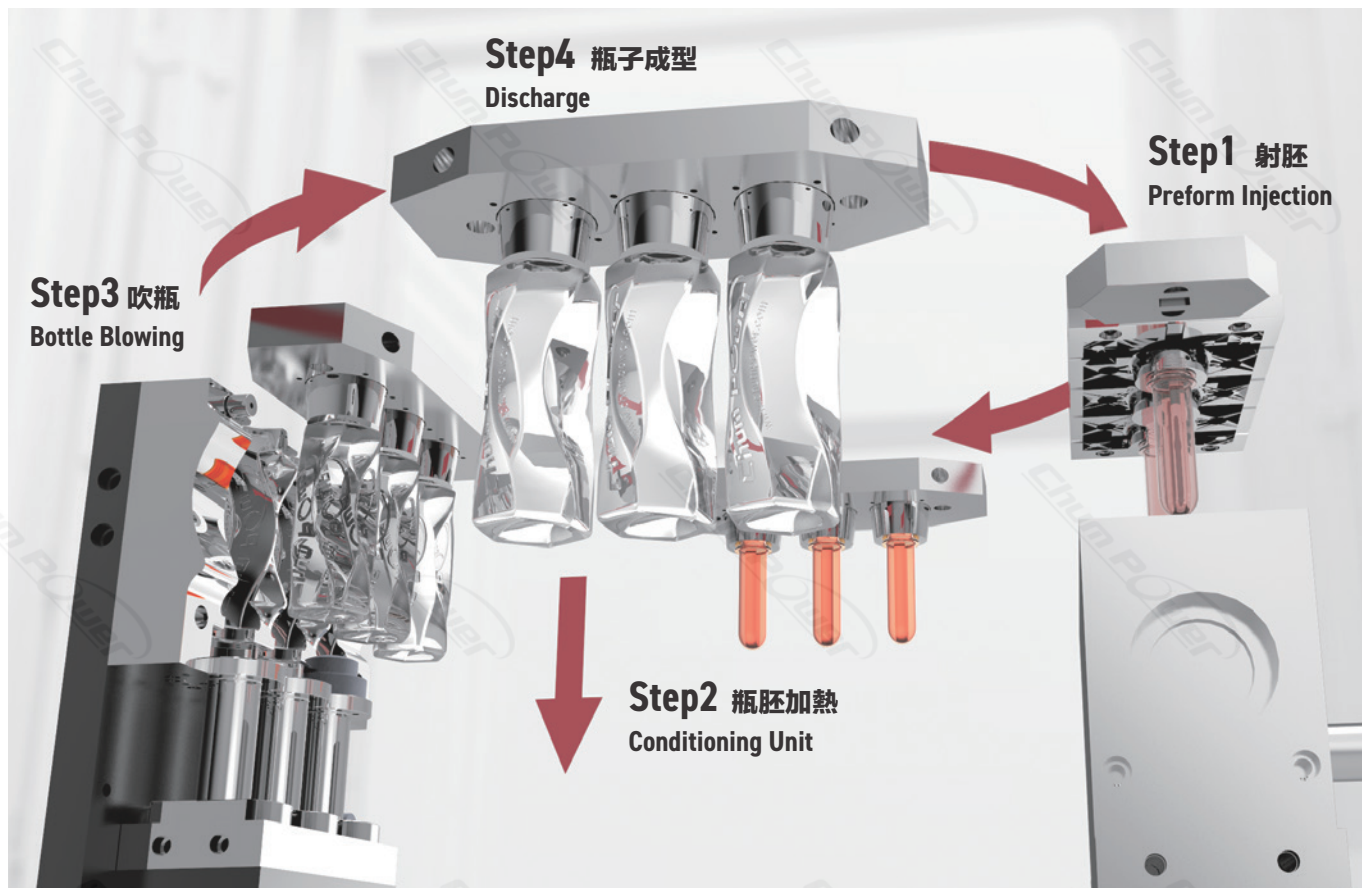
SS 系列展現卓越的製程彈性，可依瓶口尺寸生產從 10cc（12 穴）到 10L（單穴）等多種瓶型。支援 PET、PET-G、rPET、TRITAN 等多種材料，一台機台即可滿足多元瓶型的生產需求。



滿足您對瓶型的渴望

專為少量多樣化生產與特殊瓶型設計而打造。無論是藥品瓶、化妝品瓶、香水瓶、清潔劑瓶、奶瓶或其他客製化瓶型，皆能靈活對應，滿足多元製程需求。





Integrated Process, Assured Quality

In the single-stage process, injection and blow molding are completed in one machine. The neck is held by the mold throughout the entire process, preventing contact with external surfaces during transfer. This ensures a smooth, glossy, and flawless finish. It is ideal for producing high-quality and premium bottles.



一段式生產，高品質保證

射胚、吹瓶一機一站式完成生產，胚的牙口包覆於牙板中調溫、吹瓶，胚在輸送中不會與其他物件有接觸碰撞情形，成品外觀亮麗完整無刮痕，最適合高單價、高質感瓶型生產需求。



General Mold System

SS series applies the general mold system, which is applicable to one sectional mold of other brands so that its original mold could be directly connected. Launching SS series could not only shorten the time for starting the production but also reduce the production cost.



通用模具系統

SS10 採用了通用型的模具系統，兼容其他品牌的一段式模具，可讓原本模具直接掛上 SS10 進行投產，不僅縮短投產時間，更能減少生產成本。

SS SERIES

Energy consumption reduced by **40%**
Production speed increased by **25%**

耗電量減少 **40%**
生產速度提升達 **25%**



Economic and Energy Saving Production Method

The single-stage process eliminates the need to purchase separate injection machines or store preforms, reducing both capital and space costs. Without secondary heating, and supported by a servo-driven injection system and hybrid hydraulics, the SS Series cuts energy use by up to 40% while increasing output by 25%.



經濟、節能的生產方式

無需採購瓶胚與額外射出設備，大幅降低設備成本並節省廠房與儲存空間。免去二次加熱製程，新一代的伺服系統設計，更可省下高達 40% 的電力，而速度卻比上代機種快上 25%



Innovative Design for Upgraded Quality

The standard hot runner for SS series is industry standard thermal gate type; however hot runner with valve gate type is also available for higher preform gate finishing and wider processing window. An independent blow molding system and a smart temperature control system to ensure the improved quality of the finished products.



全新智能設計，質感再升級

新加入的射口殘料切除系統能將餘料切除，獨立的吹瓶系統、智能控溫系統的多樣設計，成品質感再升級。

SPECIFICATION 規格表

			UNIT	CPSB-SS10III	CPSB-SS70
標準模穴數 Standard Number of Cavity	注塑模	Injection	cavities	1~8	1~12
	吹瓶模	Blow	cavities	1~8	1~12
注塑單元 Injection Unit	螺桿規格	Screw diameter	mm	45	64
	射出容量	Injection capacity	cm ³ /shot	238	515
	射出率	Injection rate	cm ³ /s (max.)	119	313
	射出壓力	Injection pressure	Mpa	109	98
	螺桿行程	Screw stroke	mm	150	160
	螺桿轉速	Screw rotation speed	r/min	0~140	0~175
射出成型單元 Injection Mold Clamp Station	胚模合模力	Injection mold clamping force	kN	155	687
	胚模行程	Injection mold clamping stroke	mm	250	425
拉吹成型單元 Stretch Blow Mold Clamp Station	合模力	Blow mold clamping force	kN	107	242
	模具行程	Blow mold clamping stroke	mm	170(100 /70)*	300
	拉桿行程	Stretch stroke	mm	200	200
	吹瓶模芯力 (1.0Mpa)	Blow core clamping force	kN	6.1	15.7
加熱單元 Heating Station	加熱模芯行程	Heating core stroke	mm	250	260
	加熱罐行程	Heating pot stroke	mm	170	240
油壓單元 Hydraulic Circuit	油壓壓力	System pressure	Mpa	14	14
	容量	Capacity	L	170	600
低壓單元 Low Pressure System	操作壓力	Operation air pressure	Mpa(max.)	1	1
	一模耗氣量	Consuming	L/shot	60	281
高壓單元 High Pressure System	吹瓶壓力	Blowing pressure	Mpa(max.)	3.5	3.5
	一模高壓耗氣量	Consuming	L/shot	154	375
電力規格 Electrical System	電壓	Supply voltage		3P4W 400V+6%-10% 50/60Hz	
	馬達總容量	Total electrical motor capacity	kW	38	63
	加熱功率	Total heating power	kW	28.3	38.5
	額定電量	Total installed power	kW	66.3	101.5
冷卻水規格 Cooling Water System	流量	Flow rate	L/min	60	140
	操作壓力	Operating pressure	kgf/cm ²	3~6	3~6
冷凍水規格 Chiller Water System	流量	Flow rate	L/min	60	180
	操作壓力	Operating pressure	kgf/cm ²	3~6	3~6
	溫度範圍	Temperature	° C	10~15	10~15
機台規格 Machine	機台尺寸	Size(LxWxH)	mm	4500x1500x3000	5708x1932x3224
	機台重量	Weight	kg	5500	11200

* () denotes single-side mold open/close stroke.
 - The above specification depends on PET material.
 - Specification are subject to change without notice.

* () 為模具單邊開關模行程
 - 以上規格所述，射出材質以 PET 為主。
 - 規格若有變更，恕不另行通知。

SS10_III 成型產品規格					
模腔數量	最大容量	最大牙部尺寸	最大瓶身外徑	最大高度	最大重量
Cavity Number (cavity)	Max. Capacity (L)	Max. Thread Diameter (mm)	Max. Body Diameter (mm)	Max. Height (mm)	Max. Weight (g)
1	2.5	83	118	300	129
2	1.5	62	90(100)	300	65
3	0.9	48	66(84)	300	43
4	0.4	38	54(68)	300	32
5	0.25	32	55	200	26
6	0.1	25	44	200	22
7	0.03	17	29	150	18
8	0.02	15	27	150	16

SS70 成型產品規格					
模腔數量	最大容量	最大牙部尺寸	最大瓶身外徑	最大高度	最大重量
Cavity Number (cavity)	Max. Capacity (L)	Max. Thread Diameter (mm)	Max. Body Diameter (mm)	Max. Height (mm)	Max. Weight (g)
1	10	149	204	350	311
2	4.5	120	153		156
3	3.5	99	130		104
4	3	95	120		78
5	1.8	73	99		62
6	1	57	79		52
7	0.6	42	66		44
8	0.4	36	54		39
9	0.35	34	53		35
10	0.25	27	45		31
12	0.1	18	37		26

() is diameter of the bottle that can be produced when the bottle's height is less than 200mm.

備註：() 表示當瓶高小於 200mm 時可生產之瓶身直徑。



Your BEST Partner

www.chumpower.com

CHUMPOWER MACHINERY CORP.

TEL: 886-4-2338-8289 FAX: 886-4-2338-0219

No. 688-1, Sec. 3, Zhongshan Rd., Wuri Dist, Taichung City 414, Taiwan

contact@chumpower.com



v202505