

## ***CMA(S) Series PET Automatic Stretch Blow Molding Machine***



This is a new generation of fully automatic and versatile machine for mass production of PET bottles with volumes up to approximately 200 ~ 1500ml. Ideally suitable for large scale factories and for applications where stringent quality requirements have to be met. Substantial reduction in operating cost is achieved by saving of manpower.

### **Preform In-feed and Unscrambler**

Orientation and delivery of preforms is in an orderly fashion to the machine. Accurate position control of preform is achieved by pneumatic system.

### **Bottle Discharge System**

Bi-axially oriented bottles from the moulds are picked up by robotic arms and placed in an upright position. The in-line conveyor or leaks testing system are optional equipped.

### **Preform Heating**

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.

### **Touch Screen Control System**

Computer touch screen communicates with the PLC. All actions of the machine can be seen on the screen. System has many sets of memories. The system diagnoses and displays the problems on the screen to make trouble shooting easier.

## Specifications:

Model			CMA-2000S	CMA-3000S	CMA-4000S	CMA-6000S
Container	Max. neck diameter	mm	Ø25~Ø38			
	Max. production capacity	pcs/hr	1440~2000	2160~3000	2880~4000	4320~6000
	Max. body diameter	mm	95			
	Max. container height	mm	320			
	Max. bottle capacity	ml	1500			
	No. of cavity	no.	2	3	4	6
Mould	Carry pitch	mm	114.3			
	Mould center distance	mm	114.3			
	No. of preform mandrels	pcs	40	62	76	96
Heating oven	No. of even	no.	2	4	4	6
	No. of infrared heaters in each oven	no.	8			
	Heating load (max.)	kw	25.6	52	52	76.8
Air pressure	Low pressure	kg/cm <sup>2</sup>	7			
	High pressure	kg/cm <sup>2</sup>	35			
Cooling water	Cooling capacity	kcal/h	14000	18000	24000	24000
	Water consumption	l/min	70	80	80	80
	Water temperature	°C	10~12			
	Pressure	bar	5			
Total consumption power	kw	28	56	56	82	
Machine dimension	mm	2.45x1.7x2.2	3.75x1.85x2.2	4.3x2.15x2.2	3.2x1.9x2.2	
Machine weight	ton	4.5	6.5	7	8	

\* All Specifications and designs are subject to change without notice.

\* The production capacity refers to 500ml water bottles.

\* CMA Series model can be upgraded to fully electricity type by servo motor control.