

CMA(D) 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. Rotating preform holding mandrels enables the circumference of preform at each zone to be evenly heated.

Touch Screen Control System

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

Specifications

Model			CMA-D3	CMA-D4	CMA-D6
Container	Max. neck diameter	mm	Ø25~Ø33		
	Max. production capacity	pcs/hr	3000	4000	6000
	Max. body diameter	mm	65		
	Max. container height	mm	250		
	Max. bottle capacity	ml	600		
	No. of cavity	no.	3	4	6
Mould	Carry pitch	mm	76.2		
	Mould center distance	mm	76.2		
	No. of preform mandrels	pcs	57	64	102
Heating oven	No. of even	no.	2	2	3~4
	No. of infrared heaters in each oven	no.	6		
	Heating load (max.)	kw	20	20	29~38.4
Air pressure	Low pressure	kg/cm ²	7		
	High pressure	kg/cm ²	35		
Cooling water	Cooling capacity	kcal/h	18000	18000	24000
	Water consumption	l/min	80		
	Water temperature	°C	10~12		
	Pressure	bar	5		
Total consumption power		kw	22	22	33~43
Machine dimension		mm	2.1x1.86x2.2	2.7x1.85x2.2	4.7x2.22x2.2
Machine weight		ton	3	3	5

* 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.