

## Automatic PET Bottle Blowing Machine



Automatic PET Bottle Blowing Machine blow moulding machine is suitable for producing PET plastic containers and bottles in all shapes. The blow moulding machine is widely used to produce the carbonated bottle, mineral water, pesticide bottle oil bottle cosmetics, wide-mouth bottle and hot fill bottle etc

### Features:

1. Stable performance with advanced PLC and conveying preforms automatically with conveyor.
2. Strong penetrability and good and swift distribution of the heat by letting the bottles rotate by itself and re-volute in the rails simultaneously in the infrared preheater.
3. High adjustable to enable the preheater to preheat preforms in shapes by adjusting the light tube and the length of the reflecting board in the preheating area and eternal temperature in the preheater with an automatic thermostatic apparatus.
4. High safeties with security automatic-locking apparatus in each mechanical action, which will make the procedures turn into a state of safety in case of a breakdown in certain procedure.
5. No contamination and low noise with the air cylinder to drive the action instead of the oil pump.
6. Satisfaction with different atmospheric pressure for blowing and mechanical action by dividing the blowing and action into three parts in the air pressure diagram of the machine.
7. Strong clamping force with high pressure and double crank links to lock the mold.
8. Two ways of operating: Automatic and manual.
9. Safe, reliable and unique design of the position of valve to make the air pressure diagram of the machine easier to understand.
10. Low cost, high efficiency, easy operation, easy maintenance, etc.
11. Contamination is avoided for the bottle body.
12. Ideal effect of the chilling with the chilling system for the bottle mound.
13. Easy installation and starting.
14. Low rejection rate: less than 0.2 percent.
15. Full automatic machine, one man is enough for operation the machine.

16. Adopt the new type double bend arm and the four rod-clamping structure(won the patent): Cross direction; Middle mould board is move parallel; the distance between two mold board is adjusted by the chain wheel. Thus, the clamping force is very strong.
17. Power saving design that can increase your profits.
18. Separated type air controlling system, which is designed for avoiding waste pollution.
19. The preheater of PP blow machine should be more bigger than PET blow machine.

**Technical parameters:**

<b>Model</b>	<b>Automatic PET Bottle Blowing Machine blow moulding machine</b>
Number of cavity	4 cavity
Capacity	4000 - 5000 Pcs/H
Max.container volume	2L
Max.neck diameter	38mm
Max.bottle diameter	120mm
Max.bottle hight	300-350mm
Number of lamp	32
Max.heating power	48kw
Installation power	48kw
Actual power consumption	24kw
Operating pressure	7-9kg/cm <sup>2</sup>
Low pressure consuming	1600L/min
Blowing pressure	25-35kg/cm <sup>2</sup>
High pressure consuming	2000L/min
Operating pressure	8-10kg/cm <sup>2</sup>
Temperature	10°C
Consuming	19000kcal/H
Flow rater	60L/min
Machine dimension	2.4*1.6*1.8m
Machine weight	3.5T