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HY-B4 Semi-auto Bottle Blow Moulding Machine



HY-B4 can reach capacity of 2000 bottles/hour for 500ml bottle, it is using advance 4 cavities mould clamping unit to shorten the mould open time and improve the bottle blowing speed and capacity. And its separated heating tunnel and blowing stage also improve the blowing performance and capacity.

Main Features:

- A. With Advance micron computer control system (Siemens PLC) to ensure the stable performance.
- B. Automatic Preform Loading Feeding Unit.
- C. With strong penetrability infrared heating tube, preform self rotation and track rotation system to ensure uniform heating.
- D. The height and width of the lamp and baffle board can be adjustable to match the heating for different size of preforms, and with automatic over-heat exhaust system to ensure the constant temperature in the preform oven.
- E. All the operation of blowing unit are run by cylinder system without oil pump, can make it without pollution and noise.
- F. The cylinder system is divided into blowing and movement two separated parts, to match the different air pressure requirement of blowing and other movement.
- G. With high pressure and double-z-arm rod mould clamping system for strong moulding performance.
- H. With Automatic and Manual Operation Mode.
- I. Finish bottle scrap rate less than 0.3%.

Main Parameter of the Machine:

Equipment	Item	Unit	Specification
Blowing Main Machine	Machine Dimension	mm	200*110*210mm
	Weight	kg	800
	Max Bottle Size	ml	1500
	Minimum Bottle Size	ml	50
	Maximum Bottle Mouth Diameter	mm	40
	Minimum Bottle Mouth Diameter	mm	18
	Maximum Bottle Diameter	mm	125
	Maximum Bottle Height	mm	420
	Mould Cavity	mold	4
	Maximum Capacity	pcs/h	2200
	Mould Clamping Power	T	5.7 (56KN)
	Mould Thickness	mm	200 (max)
	Mold stroke	mm	210
	Maximum Stretch Length	mm	420
	Working Pressure	Mpa	0.8-1.0Mpa
	Blowing Air Pressure	Mpa	2.0-3.0Mpa
Preform Heater	Voltage/ Power Capacity	V/KW	220V (110V) /1KW
	Machine Dimension	mm	1870*630*1450mm
	Weight	kg	260
	Voltage/ Power Capacity	V/KW	380V/14KW

Pictures of the Semi-auto Bottle Blow Moulding Machine:





High Pressure Air compressor



Precision air filter



Water Chiller



Low Pressure Air Compressor

