

# **1800-2000BPH for 500ML PET bottle automatic blowing machine**

## **1.PROFILE**

HYT-A2 full-automatic blowing machine is the most stable two-step automatic bottle blowing machine. It has two cavities, and is suitable for producing PET, PE and PP plastic containers and bottles in all shapes.

It is widely used to produce from 10ML-2000ML the carbonated bottle, mineral water, pesticide bottle, oil bottle, cosmetics, wide-mouth bottle and hot fill bottle etc.

The whole process is automatic operation

## **2. Function**

- 1). Fully automatic process with low investment, high efficiency, quick and safe operation, easy for trouble-shooting, maintenance and other benefits.
- 2). High Quality: Steady infrared heating system blowing and highly accuracy blow-mould closing system ensure quality.
- 3). High Speed: 1800-2000 BPH for 500ML bottle Preform.
- 4). No Contamination: Closed production zone, good self-lubrication system avoid contamination.
- 5). Low Cost: Low consumption of electricity, air and water.
- 6). High Transparency: Easy maintenance, absolute safety, visual inspection, low noise.
- 7). Feeding system carries the preforms by robot automatically.
- 8). Infrared oven heater adopts the quartz lamp to heat the PET tube.
- 9). Reasonable design, full automatic control, save power and labor

### 3. Technical paramter

Model		HYT-A2
Capacity	Depend on bottle design	1800-2000BPH for 500ML
	Volume	10-2000ML
Mould	Cavity	2 pcs
	Bottle diameter	20-100mm
	Height	50-350mm
	Neck diameter	15-32mm
	Mould thick	240mm
	Mould	320*480mm
Main machine power	Power supply	380/220V,50/60Hz
	Power	25Kw
	Actual Using power	14Kw
Air source	LP air compressor	1.0m <sup>3</sup> /min,1.0Mpa
	HP air compressor	0.7m <sup>3</sup> /min,3.0Mpa
	Air dryer	1.0m <sup>3</sup> /min,3.0Mpa
Cooling water	Cooling water	10L/min
Machine dimension	L*W*H	1908*1280*1920mm
Machine weight		3000Kg
Suitable materials	PET,PP,PE	

## 4.Main part

Pneumatic part	Valve	Smc,Japan
	Cylinder	
Electric part	PLC	LG;Mitsubishi
	Operation system	LG;Hitech Taiwan
	Relay	Omron,Japan
	Infrared thermometer	America raytek
Noting	All of the electrical components adopts CE、 CCC approved international advanced high-tech product	

## 5. Features

- A. Stable performance with advanced PLC.
- B. Conveying preforms automatically with conveyor.
- C. Strong penetrability and good and swift distribution of the heat by letting the bottles rotate by itself and revolute in the rails simultaneously in the infrared preheater.
- D. High adjustability 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.
- E. 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.
- F. No contamination and low noise with the air cylinder to drive the action instead of the oil pump.
- G. 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.
- H. Strong clamping force with high pressure and double crank links to lock the mold.
- I. Two ways of operating: automatic and manual.
- J. Safe, reliable, and unique design of the position of valve to make the air pressure diagram of the machine easier to understand.
- K. Low cost, high efficiency, easy operation, easy maintenance, etc, with automatic technological process.
- L. Contamination is avoided for the bottle body.
- M. Ideal effect of the chilling with the chilling system.
- N. Easy installation and Running

## 6. Photo

