

110BPH for 5 gallon PET bottle automatic blowing machine

1.PROFILE

HYT-A120 full-automatic blowing machine is used to produce 5gallon PET bottle that is now demanded extremely in the market. Facing great demand for 5gallon PET bottle at market, HYT-A120 will certainly become the right machine for your investment. The whole procedure is automatic.It is controlled with microcomputer. In order to execute the purpose of automatic transporting bottles, the user should connect the conveyor belt with the blow molding machine. By transmission device, the machine can be connected to the filling machine directly. It is widely used to produce from 10L-20L the mineral water,pure water, Edibe oil bottle cosmetics, wide-mouth bottle and jac, etc.

The whole process is automatic operation

2. Feature

- 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). No Contamination:Closed production zone, good self-lubrication system avoid contamination.
- 4). Low Cost:Low consumption of electricity, air and water.
- 5). High Transparency:Easy maintenance, absolute safely, visual inspection, low noise.
- 6). Infrared oven heater adopts the quartz lamp to heat the PET Preform.
- 7). Reasonable design, full automatic control, save power and labor.
- 8). Patented Feeding system carries the preform automatically
- 9).Advanced PLC control system with a use-friendly control panel
- 10). Cooling system to get perfect cooling result

3. Technical paramter

Model		HYT-A120
Capacity	Depend on bottle design	110BPH for 5gallon PET bottle
	Volume	10-20L
Mould	Cavity	1 pcs
	Preform inner diameter	15-200mm
	Preform Length	50-460mm
	Bottle diameter	35-230mm
	Mould thick	400mm
	Mould	380*500mm
Main machine power	Power supply	380/50Hz
	Power	15Kw
Air source	LP air compressor	1.6m ³ /min,1.0Mpa
	HP air compressor	1.0m ³ /min,3.0Mpa
	Air dryer	2.0m ³ /min,3.0Mpa
Cooling water	Cooling water	10L/min
Machine dimension	L*W*H	3600*1600*1900mm
Machine weight		3000Kg
Suitable materials		PET

4.Main part

Name	Brand	Original
PNEUMATIC	FESTO	Germany
VALVE	FESTO	Germany
PLC	mitsubishi	Japan
HMI SCREEN	MITSUBISHI	Japan
Switch	OMRON	Japan
Pneumatic sensor	FESTO	Germany
Contacteur	Telemacanique	France

5.System unit profil

1.Control system



Together with HITECH Man-Machine Interaction (MMI) control panel with user-friendly, the whole control system presents super performance with precise control, convenient parameter setup, obvious display and reasonable memory.

2. Sensor system

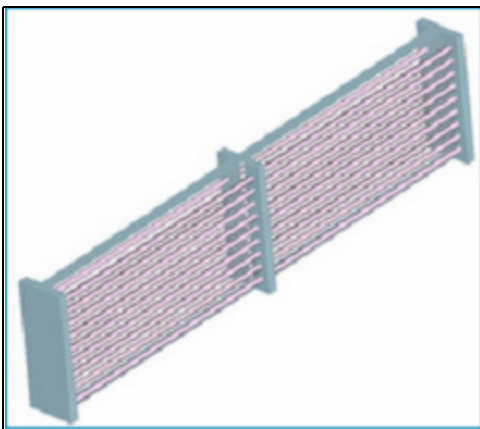


HYT-A120 adopts high quality imported sensor & switch system including proximity switch, photoelectric switch, and electronic magnet switch to keep production process going step by step and avoid any possible damage on machine.

3. Pneumatic system

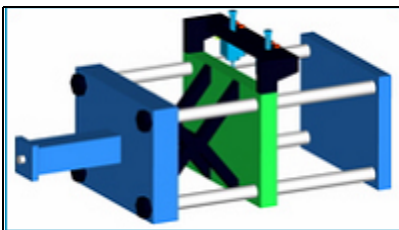
Pneumatic system provides the power for HYT-A120's movement. It is equipped with world famous high quality pneumatic components such as Festo from Germany, high precision, long service life and reliable performance are their highlights. Those pneumatic components suppliers' global service network provides the customer their prompt after-sale service locally for their pneumatic products used on HYT-A120

4. Heating system



HYT-A120 automatic stretch blow molding machine adopts infrared type heating mode, whose superior thermal-radiation and thermal penetrability provide machine with powerful heating to meet strict preform heating requirement under speedy moving. Infrared heating lamps placed onto three heating zone with 10 sets of independent voltage adjusting module and advanced microcomputer controller, can offer ideal heating for preform in different size. Each lamp's horizontal position is adjustable to keep the machine flexible.

5. Clamping system



HYT-A120 adopts three-plate type toggle clamping unit. Apart from the three-plate type toggle clamping unit, there is a high pressure assistant clamping device that is special designed to get a firm clamping.

6. Photo



Edible Oil Bottle

20L Jar bottle



Five gallon water bucket

Three gallon water bucket

