

Automatic 6 Cavities Blowing Machine AGL-A2/A4/A6/A8



Full automatic blow molding machine is suitable for producing PET plastic containers and bottles in all shapes. It is widely used to produce the carbonated bottle, mineral water, pesticide bottle oil bottle cosmetics, wide-mouth bottle and hot fill bottle etc.

Product Description

1. Electrical

1.1 PLC will protect and control the blowing procedure of the machine

1.2 Operation platform directly controls the machine by EV human-computer interface which will display the production situation intuitively, the parameter can be properly adjusted in the interface according to the blowing technology.

1.3 The human-computer interface has production situation, control parameter and alarm and other interfaces

1.4 Air throttles are fitted at both ends of cylinder, which will make the whole machine more stable

2. Preform scambler

2.1 The stepless speed regulating of preform loading is accomplished

2.2 Simple structure, widely application

3. Heating part

3.1 Stale infrared ray heating system has 4 heating zone, each of them are controlled saperately

3.2 Hangzhou Xizi module and intelligent control module accomplish the gaol of heating every part of preform through adjusting the voltage of infrared ray lamps

3.3 Induced air device overcomes the convection of air, better for stabilizing heating environment, improving heating efficiency

3.4 Air cooling and water cooling devices avoid the neck from being heated to deformed

4. Blowing machine mold frame

4.1 The mold frame system is driven by action cylinder will move in the guiding rail accurately and stably

4.2 Quick mold closing and pneumatic high pressure mold locking devices efficiently solve the mechanical mold locking problems such as mold expand and big mold closing line and etc.

5. Locating device

5.1 The whole machine's transmission is driven by the same power, so the synchronism is perfect

5.2 Mechanical locating design leads to simple structure and stable running situation

5.3 Imported common standard components are used in the chain guiding rail system, so the system is stable and easy to maintain

6. Transfer arm

6.1 Preform transfer arm is driven by cylinder to turn over and down the preforms and bottles with the features of good synchronism

Technical Parameters:

Model	Item	AGL-A2	AGL-A4	AGL-A6
Productivity	Depend on bottle design	1800-2000 PCS/H	3200-4000 PCS/H	4000-5500 PCS/H
Product type	Volume	0.1-2.0L	0.1-2.0L	≤1.5L
	Body diameter	≤100mm	≤100mm	≤90mm
	Height	≤310mm	≤310mm	≤310mm
	Neck diameter	38mm	38mm	28-38mm
Mould	Cavity	2	4	6
	Mold thickness	240mm	240mm	240mm
	Mold volume	260*240*370mm	510*240*360mm	640*240*360mm
Main machine Power	Electrical source power	380V/220V	380V/220V	380V/220V
	Rated power	50/60HZ 3Phase	50/60HZ 3Phase	50/60HZ 3Phase
	Really use power	25kw	2549kw	73kw
		6.5kw	13kw	25kw
Air system	HP air compressor	1.4m ³ /min 3.0Mpa	2.0m ³ /min 3.0Mpa	6.0m ³ /min 3.0Mpa
	LP air compressor	1.0m ³ /min 1.0Mpa	1.6m ³ /min 1.0Mpa	2.0m ³ /min 1.0Mpa
	Air Tank	0.6m ³ 3.0Mpa	0.6m ³ 3.0Mpa	1.0m ³ 3.0Mpa
	Air dryer	1.0m ³ /min 3.0Mpa	2.0m ³ /min 3.0Mpa	6.0m ³ /min 3.0Mpa
Cooling water	Water Chiller	3HP	5HP	8HP
Machine	Size (L*W*H)	1900*1280*1930mm	1900*1860*1930mm	4100*1400*1800mm
	Weight	2000kg	3600kg	4500kg
Preform unscrambler	Size (L*W*H)	2000*950*2480mm	2000*950*2480mm	2000*950*2480mm
	Weight	250kg	250kg	250kg