



Fully Automatic Blowing Molding Machine JSD-series



Features:

Automatic blow molding machine is designed uniquely with the innovative and reasonable mechanical structure. During the whole producing process, the bottles mouth faces down to avoid being overheated in the process of heating, which extends the application widely used. We adopt the cheap compressed air as driving power, applying the updated PLC technology to control automatically; presetting parameter, built-in self-diagnosis, alarm and LCD display function. Touch-screen is adopted human interface, friendly and visible which is easy to learn.

Preform up structure

The up one is to control the action of preform conveying structure. If there are too many preforms in the tunnel, the moving will be stopped; if not enough, it will get preforms automatically from preform conveying structure.

Heating tunnel

Preform heating structure is made up of three sets of heating tunnel in serials and one blower. Each heating tunnel has been installed with 8 pieces of far ultra red and quartz lighting tube which are distributed on each side of the heating tunnel.

Mould-closing device

It is located in the middle part of the machine and is composed of mould-closing cylinder, moving template and fixed template, etc. Two halves of the moulds are fixed on the fixed template and moving template respectively.

PLC control system

PLC control system can watch on the preform temperature and if all the actions are finished according to the setting programs, if not, the system will stop automatically to avoid fault expanding. Besides, there are fault reason tips on the touch screen.

Blow structure

Thanks to adopting bottom-blow structure, the bottle mouth is always facing down to be prevented from the pollution of dust and dirtiness.

Air separation system

The blowing air and working air is separated from each other. If the customer is able to use the clean blowing air, it will ensure the production of bottles clean at most.

Configuration:

PLC: MITSUBISHI

Interface & touch screen: MITSUBISHI or HITECH

Solenoid: BURKERT or EASUN

Pneumatic cylinder: FESTO or LINGTONG

Filter regulator/lubricator combination: FESTO or SHAKO

Electric component: SCHNEIDER or DELIXI

Sensor: OMRON or DELIXI

Inverter: ABB or DELIXI or DONGYUAN

Technical Specification:

ITEM	Unit	JSD- II	JSD-IV	JSD-VI
MAX Capacity	BPH	2000	3500	4800
Bottle volume	L	0. 2—2. 0	0. 2—2. 0	0. 2—1.5
Neck diameter	mm	Φ28—Φ30	Φ28—Φ30	Φ28—Φ30
Bottle diameter	mm	Φ20—Φ100	Φ20—Φ100	Φ20—Φ100
Bottle height	mm	≤335	≤320	≤320
Mould cavity		2	4	6
Moulding opening	mm	150	140	150
Space between cavities	mm	128	190	190
Clamping force	N	150	300	450
Length of stretching	mm	≤340	≤340	≤340
General power	KW	16.05.2010	24.05.2016	33/22
Temperature control section	zone	8	8	8
Voltage/phase/frequency		380V/3/50HZ	380V/3/50HZ	380V/3/50HZ
Main machine dimension (L)*(W)*(H)	mm	2900*2000*2100	2950*2000*2100	4300*2150*2100
Weight	Kg	2600	2900	4500
Conveyor dimension (L)*(W)*(H)	mm	2030*2000*2500	2030*2000*2500	2030*2000*2500
Conveyor weight	Kg	280	280	280