

Fully-Automatic PET Blow Molding Machine JTB-2 & JTB-2MF



The conveyor put the preform from the barrel to the entire machine, then the preform is automatic arranged in order to feeding in a single way Adopt FESTO rodless cylinder to divide into blank movement and positioning. The clipper picks preforms is place them on the transfer system. The way will avoid preforms jamming or wasting preforms.

Transfer system

The transfer linear machine is normal transmitted by chain or air cylinder, when cylinder drives, the speed is slow, efficiency is down, when chain drives, it is too noisy. JTB series composed of the casting nylon slider with servo motor drive, providing fast and which can meet environmental requirements.

The heating system

Preforms are feeding to the heating system in a parallel together with minimum center between two preforms, in order to make shortest distance to heat, saving more energy Preforms go with rotation mode heat and cooling, to ensure heating averagely.

Machine Specification

1. Use modular design, reduced the occupation area, it`s easy to change spare parts.
2. Use the linear type structure. Compact space is convenient of mold-conversion, repairing and maintenance.
3. The mouth of the annular stainless steel clamping device and integral aluminum alloy cooling device, protect the bottleneck heating deformation, improve the bottle and the bottle cap sealing, and prolong the life of the contents.

4. The groups of infrared lamp independent thermal balance adjusting device of the bottle blank heating when the temperature uniformity and the bottle exterior color uniform, improve the rate of finished products.
5. If you take a blow can debug function of large flow two stage blowing device.
6. Adopted photoelectric control pre-blowing and blowing setting, the La time is not a affected by pressure fluctuations, up to the bottle on wall thickness uniformity and consistency.

| | Model | Unite | JTB-2 | JTB-2MF |
|--------------------------|-----------------------------|--------|------------------|-------------------|
| | | | (standard) | (Feeding By Hand) |
| Clamping System | Number of cavity | cavity | 2 | 2 |
| | Clamping unite | KG | 20000 | 20000 |
| | Mold stroke | mm | 120 | 120 |
| | Stretch stroke | mm | 320 | 320 |
| | Bottom stoke | mm | 30 | 30 |
| | Cavity spacing | mm | 120 | 120 |
| | Heating spacing | mm | 55 | 55 |
| | Number of holder | pcs | 64 | 64 |
| Bottle Size | Max. Bottle volume | L | 2.0 | 2.0 |
| | Max. Neck diameter | mm | 32/38 | 32/38 |
| | Max. Preform height | mm | 140 | 140 |
| | Max. Bottle diameter | mm | 105 | 105 |
| | Max. Bottle height | mm | 320 | 320 |
| | Theoretical output | B.P.H | 2200 | 2200 |
| Electrical System | Heating oven | Unite | 2*9 | 2*9 |
| | Box*channel | | | |
| | Number of lamp | pcs | 18 | 18 |
| | Heating power | KW | 21.6 | 21.6 |
| | Installed power | KW | 25.5 | 24 |
| | voltage | V | 220V/380V/3phase | |
| Air system | Operating pressure | Kg/m | 7 | 7 |
| | Blowing pressure | mpa | 3.5 | 3.5 |
| | High pressure air consuming | L/min | 2000 | 2000 |
| | Power | Kw | 24 | 24 |
| Chiller System | Temperature | °C | 10-15 | 10-15 |
| | Pressure | Mpa | 0.3-0.5 | 0.3-0.5 |
| | Flow rate | L/min | 40 | 40 |
| | Heating power | HP | 4 | 4 |
| Machine Size | (L×W×H) machine dimension | M | 2.6*1.8*1.8 | 2.6*1.8*1.8 |
| | Machine weight | Kg | 3500 | 3500 |