



Plastic Bottle IV Washing Filling and Sealing Production Line





Rotary Bottle Blowing Machine

Main usage

This machine is a brand new two-stpe bi-directional stretchy bottle blowing machine based on the most advanced international design theory for bottle blowing machine, international design theory for bottle blowing machine, intergration of BOPP I.V bottle technology, which fills in the blanks of rotary bottle blowing machine for BOPP I.V bottle both at home and abroad.





Rotary Bottle Blowing Machine

Performance Characteristics

Obtaining multiple national patents and independent intellectual property rights, high output. Bottle perform is not separated from clamp without overturn movement in the course of heating, transferring, blowing, so the perform positions accurately, transfers stably in the course of operation. The blown bottle is characterized by even thickness and thinness, extremely small distortion after being sterilized.

Adoption of initially-established one-mould two-cavity structure reduces the occupying area drastically and has two-thirds occupying area of one mould one cavity rotary bottle blowing machine, which is very suitable for specific requirement about pharmaceutical machinery.

Stretchy pole has the cam control and consumption for low-pressure air only employs one third of cylinder stretch rotary bottle blowing machine, so that it is unnecessary for customer to purchase low-pressure air compressor with large gas consumption. Proform-overturn and proform-feeding implements continuously, stably, safely. Pure machine operation without needing any auxiliary pneumatic element.



Rotary Bottle Blowing Machine

Main Technical Parameters



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|--------------------------------------|--------------------------|
| The cavity number | 10 moulds 20 cavity |
| Power | 300 KW, 380V, 50Hz |
| Production capacity | 10000-15000 bottles/hour |
| Operate pneumatic | 0.8-0.9 Mpa |
| Stretching trip | 210 mm |
| Bottle blowing air pressure | 1.6-2 Mpa |
| The biggest bottles outside diameter | 90 mm |
| Air flow | 8000 litres/minute |
| Inner diameter for bottleneck | Ø16-Ø28 |
| Maximum volume | 650 ml |
| Dimensions | 10900×2300×3600mm(LxWxH) |



Plastic Bottle IV Washing Filling&Sealing Machine

Main Usage

This machine is mainly applicable for production of PP plastic bottles bottle infusion that can finish a series of producing procedures automatically, such as: air washing, water washing, liquid filling and welding, sealing compound cap.

Performance & Characteristics

- Integrate washing, filling and sealing station into one unit, compact structure, small occupying area can reduce pollution caused by intermediate process.
- It adopts manipulator to clamp the bottleneck, no bottle falling, no bottleneck wearing, easy to exchange specification parts.
- It adopts continuous rotary washing method, not intermitting and track washing method,so it ensures the washing time at high speed production.



Plastic Bottle IV Washing Filling&Sealing Machine

Performance & Characteristics

- It adopts air blowing bottle entering method, no bottle chocking, so it realize quick bottle feeding and combined production.
- It adopts constant pressure heating method with pneumatic diaphragm valve, so it ensures accurate metering and realize CIP, SIP.
- It adopts heating board with upper and lower double layer to heat, which can adjust heating temperature freely and is suitable for different temperature required for bottle cap and bottle neck fusion.
- Unique heating board structure ensures that the heating board can be stretched freely after being heated and reduce distortion.
- Unique manipulator cap-grabbing structure ensures the cap picking, good centering, even heating when welding, even and stable fusion face.
- It has the function of no filling without bottle, no cap feeding without bottle, bleeds automatically.
- PLC control, man-machine interface.
- Setting the parameter freely, easy to use.
- High automation.





Plastic Bottle IV Washing Filling&Sealing Machine

Main Technical Parameter

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| Applicable specifications | 100 ml, 250 ml, 500 ml |
| Production capacity | 10000-18000 bottles/hour (250 ml calculation) |
| Total power | 48 KW, 380 V, 50 HZ AC |
| Main total power | 5 KW |
| Clean compressed gas pressure | 0.5-0.6 Mpa |
| Gas consumption | 0.4 Mpa, consumption clean compressed air 4-5 m3 / minutes (including gas wash dosage) |
| Blunt water pressure | 0.3~0.4 Mpa |
| Purified water consumption | 0.3 MPa, the consumption of 2400 L/h |
| Overall size | 10420×2460×2400 (mm) (L×W×H) |
| Total weight | 8500 kg |

