

PET Bottle Blow Molding Machine ES-A3B-1500



ES series is one kind of two-step automatic PET bottle blow molding machine, which is suitable for blowing any shape of PET bottles such as carbonated water bottles, water bottles, juice bottles, oil bottles, cosmetic containers, etc.

1. The machine adopts human-computer interface to control the whole working procedures, auto-loading, auto blowing, auto dropping. Action cylinders are all assembled with magnetic induction switches. Connect with PLC to control every step and test every cylinder. Next action will continue after the former step done, If former step is not finished, alarm automatically and do not work. PLC displays problem position.
2. Fast speed, accurate position, smooth action.
3. According to special demand, adopt cross double crank pressed clamping, with strong clamping force. Mould open stroke can be adjustable according to the bottle size to save the time.
4. Far infrared heater lamps have strong penetrations; preforms are heated uniformly while rotating, PLC or electronic pressure adjustor controls each group of temperature separately.
5. Particular pre-heater design makes preform close while heating. Change space, shorten heating tunnel and reduce energy consumption according to the bottle size while blowing.
6. The air supply system consists of slight blow, high pressure blow, and low pressure actions, to supply enough air for different products.
7. Special recycling installation for high pressure air reduces the energy consumption.
8. Operation consists of manual and automatic procedure, manual operation for assembly and test, automatic operation for production.
9. Production workmanship process is fully automatic to make best quality and pollution-free. It holds less investment, high efficiency, easy operation, simple repair, safety etc.

Technical parameters:

ITEM	ES-A3B-1500
Theoretical output	3300
Max.container volume	1.5L
Max.neck diameter	45MM
Max.container diameter	105MM
Max.container height	360MM
Number of cavity	3
Number of lamp	24
Max.heating power	50KW
Installation power	110KW
Actual power consumption	25KW
Operatating low pressure	0.8-1.0Mpa
Low pressure consuming	2000L/min
Blowing pressure	≤4.0Mpa
High pressure consuming	3500L/min
Operating pressure	0.3-0.5Mpa
Temperatuer	10 degree
Flow rater	40 L/min
Machine dimension	2.7×1.45×2.0
Machine weight	2000Kg