

Semi-Automatic Linear Blow Molding Machine HZ-series



HZM semi-automatic stretch blow moulding machine is designed by CE standard. With microcomputer controlling system, it controls various technical parameter needed more accurately and more steadily. It is fit to blow carbonated beverage bottles, mineral water bottles, cosmetics bottles and hot-filling bottles.

Features:

1. Bottle blow unit is equipped with specially designed PLC control system. It controls the whole bottle production process through a soft touch pad with time control precision up to 0.01 second.
2. HZ-III is equipped with world famous brand components to reduce the noise, save energy and produce the high quality production.
3. Adopts three-plate toggle clamping system to provide powerful clamping force required by high pressure blowing up to 35 bars. Besides, the system has an adjustment device to change the distance between front & middle mold-plate and the position of stretch-seal cylinder required in different mold installation.
4. Blow moulding machine has a plenty of assistant units to increase the machine's performance, such as air storage unit to keep the air pressure stable, grease-lubricating unit to reduce mechanical parts' wear and tear, and multi-utilization air entry unit to meet air compressed air high-pressure single entry mode and high-pressure & low-pressure double entry mode.
5. Preform heater adopts infrared lamp as heating unit. Infrared has powerful thermal-radiation capacity, which can heat up preform to required temperature in a very short time, while the strong thermal-penetrability provides continuous and uniform heating inside of preform and over surface of preform.
6. Multi adjusting device placed on the preform heater increases the machine's agility. With those devices, the heating channel's width and height can be changed easily according to the different neck size and neck height. The mouth of the air exhaust system is also adjustable to meet different heating requirement.

Technical Parameters:

Type	HZ--III	HZ--III--D	HZ--III--E	HZ--IV	HZ--V
Max Volume of product (L)	2	1.5	1.5	5	20
Capacity (BPH)	450-1000	850-1200	900-1400	300-1200	50-180
Neck Size of Product (mm)	15-75	15-75	15-75	15-120	≤160
Mould Thickness (mm)	120-170	120-170	120-170	120-200	350-420
Clamping Force (KN)	50	50	50	50	80
Stretching Stroke (mm)	360	360	360	360	530
Power of Main Blower (KW)	0.2	0.2	0.2	0.2	2
Weight of Main Blower (KG)	700	700	700	800	800
Dimension of Main Blower (mm)	1520*580*1780	1520*580*1780	1520*580*1780	1700*580*1820	2800*720*2160
Power of Preheater (KW)	10	10	30	12	16
Weight of Main Preheater (KG)	450	500	650	450	800
Dimension of Preheater (mm)	1450*700*1150	1720*700*1150	3500*750*1150	1450*700*1150	2200*750*1880