



IBM Series Full-Automatic Injection Blow Molding Machine

Pharmaceutical Bottle

Food Bottle

Health Care Food Bottle

Beverage Bottle

IBM



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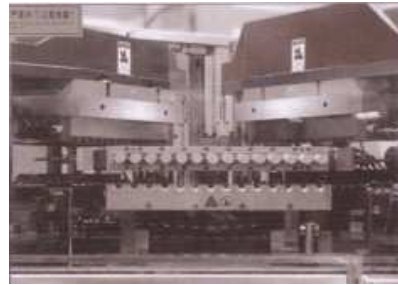
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IBM Series Full-Automatic Injection Blow Moulding Machine

The equipment is a one-step full automatic injection blow molding machine which is applicable to the processing of thermoplastic materials e.g. PE, PP, PS (SAN, PMMA, PC, PETG, PEN). It is widely used in manufacturing packaging bottles for pharmaceutical, healthcare product, food and beverage, cosmetic and other industries. This machine has multi-cavities in one mold which can perform continuous production full automatically. It adopts horizontal three working stations index head, hot runner system and multi-stage injection molding system. Plastic injection, blowing and stripping stations act simultaneously to guarantee the equipment operates high efficiently and saves energy. It ensures the flatness of bottle mouth and high precision of the internal and external diameter and the thread of bottle neck, without any scrap. It is the standard equipment for modern environment protection production.



- Lowering design of mold clamping hydraulic cylinders ensures the product cleanliness and easy mold replacement. Upper and lower clamping force is balanced inside the mold to make the mold uniform in force receiving. The rigidity of mechanical system is high.
- Unique PREFILL technology and variable displacement pump pressurizing technology are applied to hydraulic system to achieve high efficiency and energy-saving operation.



- Special plasticization components suitable for both traditional multi-stage injection & multi-stage pack holding technology and special extrusion injection & multi-stage pack holding technology required by different materials.
- B&R control specialize for plastic machinery, with the function of PID intelligent dynamic temperature control, authorization password protection, 999 groups of technology parameter storage and momentary supervision on the operation of the machine.
- Stripper station adopts long-distance digital laser sensor for detection realizing unmanned automatic operation.
- Injection mold and blowing mold are made of high class stainless steel and Magnesium-Aluminium alloy respectively. They are processed by special high precision numerical control equipment and fully guarantee the quality of bottle product.

Technical Data

ITEM	UNIT	IBM240/450	IBM300/700	IBM700/1350
Screw Diameter	mm	45	55	70
Injection Capacity (max.)	cm ³	250	300	700
Injection Clamping Force	kN	460	700	1240
Blow Clamping Force	kN	75	110	200
Total Power	kW	34	46	73
Operating Power	%	52~70	52~70	52~70
Hydraulic Working Pressure	Mpa	14,5	14,5	14,5
Compressed Air Pressure	Mpa	0,7~0,9	0,7~0,9	0,7~0,9
Cooling Water Pressure	Mpa	0,3~0,4	0,3~0,4	0,3~0,4
Product Diameter (max.)	mm	100	100	100
Product Length (max.)	mm	200	200	200
Overall Dimension (LxWxH)	cm	400x150x180	404x160x185	500x220x205
Weight Approx.	t	5	8	12



Product Size				IBM250/450	IBM300/700	IBM700/1350
Volume	Neck	Height	Body	Cavities	Cavities	Cavities
5 ml	10	35	15	14	22	30
10 ml	12	40	20	12	20	30
20 ml	15	50	25	10	18	28
30 ml	20	60	30	9	16	26
40 ml	22	65	35	8	14	24
60 ml	28	75	40	8	13	22
80 ml	30	80	45	7	12	20
100 ml	32	85	50	6	12	20
150 ml	35	90	53	5	10	18
200 ml	38	100	58	4	8	16
400 ml	42	120	65	3	6	12
650 ml	50	160	80	2	5	10
1000 ml	40	200	90		4	8
1500 ml	45	200	103		3	6

If you would like more information about our machines, please send us e-mail, fax or even better give us a call.

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