



# IBM 系列 注吹专用注塑机 (1,600 ~ 3,300kN)



IBM Series

Injection & Blow Molding Machine



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# IBM系列 注吹专用注塑机

## Injection & Blow Molding Machine



- 采用热流道系统和高压注射成型, 可获得较高的瓶口、瓶颈和螺纹精度。制品无接缝和边角料, 节约原料, 同时具有规格均一, 外表光洁等特点。
- 该机注射和吹气一体, 采用伺服液压全闭环系统, 从而提高生产的重复精度, 节约能源, 能一模多腔连续生产, 效率高。
- 采用多功能人机界面, 液压、气控、电气上多处设有可调节环节, 以保证满足不同制品的工艺要求。
- 原料适应性强, 可成型加工PE、PP、PS、PC等大部份热塑性塑料。
- 该机型具有高速、高效、高稳定性、节能、易操作、方便维修等特点, 是医药、食品等行业包装用品瓶的理想设备。

- Hot runner system is adopted in the mould, with high pressure injection molding and then blow molding, the final product is featured with high precise mouth, neck and thread. No parting line and no flash appears in the product, resulting a smooth and uniform product, and also saving the material.
- Combined with injection and blow in the same machine, driven by servo motor with close-loop hydraulic system, it raises the repeatability precision, saves energy, and improves efficiency.
- Hydraulic, pneumatic, and electrical controller can be set in the HMI, which satisfy the technical need for different products.
- Most of the thermoplastics like PP, PE, PS, PC can be made in the machine.
- The machine characterizes with fast, high efficient, stable, energy saving, and easy for operation and maintenance.

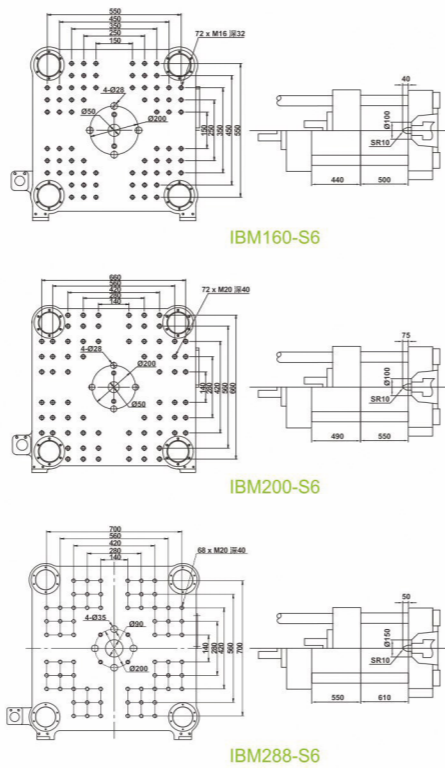
### 参数 Parameter

提供160T-1680T机型系列 Provide 160-1680T of models series

说明	DESCRIPTION	单位UNIT	IBM160-S6	IBM200-S6	IBM288-S6
国际公认型号	International size rating		1600-604	2000-934	2880-1341
<b>锁模单元 CLAMPING UNIT</b>					
锁模力	Clamping force	kN	1600	2000	2880
开模行程	Opening stroke	mm	440	490	550
模板最大开距	Max. daylight	mm	940	1040	1160
模板尺寸	Movable platen size	mm	705×705	775×755	850×850
导柱内距	Space between bars	mm	460×460	510×510	610×610
最大模厚	Max. mold height	mm	500	550	610
最小模厚	Min. mold height	mm	160	230	280
顶针行程	Ejector stroke	mm	140	140	145
顶出力	Ejector force	kN	49	65	77
<b>注射单元 INJECTION UNIT</b>					
螺杆直径	Screw diameter	mm	42 46	46 52	52 60
螺杆长径比	Screw L/D Ratio	L/D	22 20	23 19.9	21 21
注射压力	Injection Pressure	MPa	213 177	230 180	226 169
理论注射容积	Shot Volume	cm <sup>3</sup>	284 340	407 520	594 791
实际注射量 (PS) Shot Weight(ps)		g	253 302	362 462	529 704
		oz	8.9 10.7	12.8 16.3	18.7 24.8
注射速率 (PS) Injection Rate		g/s	105 126	119 153	194 259
螺杆行程	Screw Stroke	mm	205	245	280
螺杆转速	Screw Speed	rpm	210	170	170
<b>动力/电热 POWER UNIT</b>					
油压系统压力	Hydraulic system pressure	MPa	17.5	17.5	17.5
油泵电机功率	Pump motor power	kW	15	18.5	22
加热功率	Heater power	kW	9.8	11.5	13.8
<b>其他 GENERAL</b>					
油箱容量	Oil tank capacity	L	260	340	420
理论机重	Machine weight	T	4.5	5.8	8.2
外形尺寸	Machine dimensions	m	4.8×1.3×1.8	5.3×1.4×2.1	6.1×1.53×2.2

本公司根据产品提升的需要, 可对技术参数、部分元件配置及服务内容进行更改, 恕不另行通知。  
According to demand of machine upgrade, we will change technical parameters, configuration of some parts and service's items without further notice.

### 模板尺寸 Platen Dimensions



# IBM-R系列 转塔式注吹专用注塑机

## Rotary Injection Molding Machine



### 生产实例 Production Instance



产品名称: LED灯罩 Product: LED Lamp cover  
 模腔数: 12 Cavity: 12  
 周期: 18秒(含机械手) Production cycle time: 18s(Include robot)  
 Ø65单个产品重量: 9.5g Ø65 Product weight/unit: 9.5g  
 材料: PC料 Material: PC

- 设备使用、维护简单, 操作与常规注塑机操作无差别;
- 转塔旋转使用伺服电机控制, 旋转精度保证;
- 与机械手配合组成自动化生产线, 提高生产效率;
- 模具结构合理、科学, 更换瓶型, 只需更换相应模具部件即可, 不用更换整个模具, 减少生产投入;
- 生产的制品外观质量好, 吹制的产品没有合模线;
- 本设备特别适合应用于对制品外观要求高的行业(LED灯泡、化妆品瓶等)。

- Easy for operation, maintenance and no difference as the normal type of injection molding machine;
- The rotary part is controlled by servo motor, which ensures the rotary accuracy;
- Equipped with the robot for automatic production line to improve efficiency;
- Reasonable and scientific mold structure to reduce the production inputs. if the product is changed, just need to change the relative mold parts, no need to change the whole mold;
- The appearance quality is perfect without parting line;
- Suitable for the industry which is strict for the product appearance (LED bulb, cosmetic bottle etc.)

### 参数 Parameter

说明	DESCRIPTION	单位UNIT	IBM200R-S6	IBM288R-S6	IBM330R-S6
国际公认型号	International size rating		2000-900	2880-1340	3300-1300
<b>锁模单元 CLAMPING UNIT</b>					
锁模力	Clamping force	kN	2000	2880	3300
开模行程	Opening stroke	mm	490	550	600
模板最大开距	Max. daylight	mm	1190	1300	1320
模板尺寸	Movable platen size	mm	775×755	850×850	985×985
导柱内距	Space between bars	mm	510×510	610×610	670×670
最大模厚	Max. mold height	mm	700	750	720
最小模厚	Min. mold height	mm	550	620	550
转塔最大中心距	Max rotary center distance	mm	605	650	650
转塔最小中心距	Min rotary center distance	mm	300	310	300
<b>注射单元 INJECTION UNIT</b>					
螺杆直径	Screw diameter	mm	46	52	52
螺杆长径比	Screw L/D Ratio	L/D	18	21	21
注射压力	Injection Pressure	MPa	230	226	226
理论注射容积	Shot Volume	cm <sup>3</sup>	407	594	594
实际注射量 (PS) Shot Weight(ps)		g	362	530	530
		oz	12.8	18.7	18.7
注射速率 (PS) Injection Rate		g/s	119	220	194
螺杆行程	Screw Stroke	mm	245	280	280
螺杆转速	Screw Speed	rpm	170	210	210
<b>动力/电热 POWER UNIT</b>					
油压系统压力	Hydraulic system pressure	MPa	17.5	17.5	17.5
油泵电机功率	Pump motor power	kW	18.5	30	30
加热功率	Heater power	kW	11.5	13.8	13.8
<b>其他 GENERAL</b>					
油箱容量	Oil tank capacity	L	340	425	460
理论机重	Machine weight	T	6.3	9.3	10.5
外形尺寸	Machine dimensions	m	6.5×1.4×2.1	6.4×1.7×2.1	6.8×1.7×2.3

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