



注塑机产品系列

标准机系列

- V系列节能型注塑机
- S系列伺服节能注塑机
- DP系列两板大型注塑机
- K系列快速注塑机

专用机系列

- PET系列瓶坯专用注塑机
- ▶ HPET系列高速瓶坯专用注塑机
- IBM系列注吹专用注塑机
- PVC系列管件专用注塑机
- KF系列高速薄壁专用注塑机
 - Kf系列一次性快餐盒生产系统
 - PKF系列模内贴标生产系统
 - CKF系列瓶盖专用生产系统
 - PC材料专用方案
- KE系列医疗器械高速专用注塑机
- T系列电木专用注塑机
- F系列尼龙扎带专用注塑机
- BJM系列清双色专用注塑机
- SI系列硅胶专用注塑机
- PB系列制桶专用注塑机
- FB系列果框专用注塑机
- PE双壁波纹管承插口注射成型机

Injection Molding Machine Series

Standard Series

- V-series Energy-saving Injection Molding Machine
- S-series Servo Energy-saving Injection Molding Machine
- DP-series Large Two-platen Injection Molding Machine
- K-series High Speed Injection Molding Machine

Special Injection Molding Machine Series

- PET-series Preform Injection Molding Machine
- ▶ HPET-series High Speed Preform Injection Molding Machine
- IBM-series Injection & Blow Molding Machine
- PVC-series Special Injection Molding Machine for PVC/PPR Fitting
- KF-series High Speed Injection Molding Machine for Thin-wall Products
 - Kf series disposable fast food box production system
 - PKF series in mold labeling production system
 - CKF series special system for the production of bottle cap
 - Special applications for PC
- KE-series High Speed Injection Molding Machine for Medical Instrument
- T-series Bakelite Injection Molding Machine
- F-series Injection Molding Machine for Nylon Ribbon
- BJM-series Double Color Injection Molding Machine
- SI-series Silicone Injection Molding Machine
- PB-series Paint Bucket Injection Molding Machine
- FB-series Fruit Basket Injection Molding Machine
- PE Special IMM for Double-wall Corrugated Pipe Socket

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HPET系列 高速瓶胚 High Speed Preform Injection System 专用注塑系统



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HPET-3300V6 高速瓶胚专用注塑系统

High Speed Perform Injection System

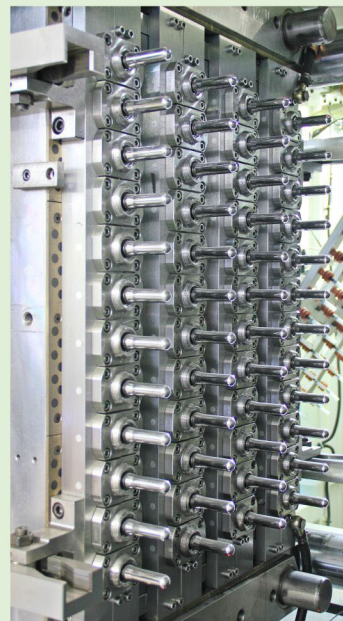


■ 采用欧洲名牌集成控制系统，操作简便，扩展性强，实现主机与机械手动实时同步一体化控制，稳定可靠。

Control system adopts the famous brand of Euro computer, which is easy for operation with strong expandability, and can realize the real-time synchronization control of machine and robot running. The integration control of machine and robot is stable and reliable.

■ 独特的伺服阀顶针及开合模油路控制系统，保证顶出及开合模动作平稳，响应迅速，定位精准，有效保护模具，符合机械手取胚要求。

Unique accumulator with servo valve for ejector and opening-closing mold hydraulic control system ensures the ejection and opening-closing mold movement stable, fast and accurate, which can protect the mold efficiently, and match the requirement of take-out robot.



■ 专门设计用于瓶取出高性能机械手配备德国进口伺服控制系统，动作快速可靠，可提供三个周期的模外冷却时间，配备冰水冷却系统确保瓶胚无应力冷却。

Specially designed high performance robot for preform taking-out is equipped with German SEW servo system, ensures the movement fast and stable, can provide 3 times cycle cooling outside the mold. The equipped ice water cooling system ensures the preform to be cooling down without stress.

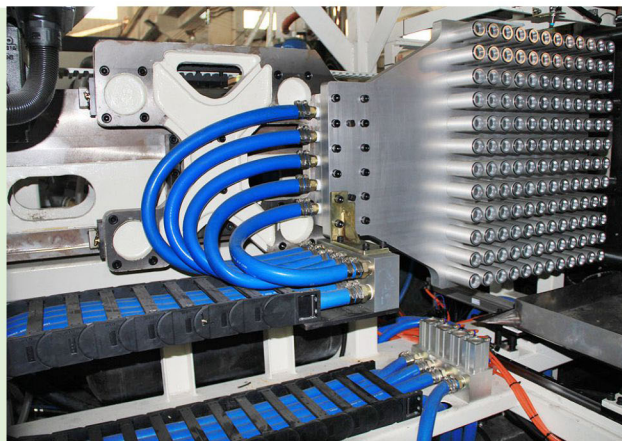


■ 采用伺服阀控制注射，精准快速；塑化与注射同步，确保大注射量应用，缩短成型周期。

■ 专用的PET螺杆，显著提高熔胶速度和质量，降低塑化温度与AA值，有效改善瓶胚的收缩，提高透明度；

Accumulator with servo valve is adopted to control the injection, which makes the accurate shot; the synchronous plasticizing and injection ensures the application of big injection volume and shortens the cycle time.

Specialized PET screw increases the melting speed and quality, reduces the plasticizing temperature and AA value, which makes a great improvement for the preform shrinking and increases the transparency.



■ 宝捷HPET高速瓶胚注塑系统是为适应大批量瓶胚生产需要而专门研发，具备高速、精准、稳定可靠和节能的四大优点，配套的模具采用全热流道针阀式结构和科学的冷却水道设计，是具有极高性价比的瓶胚整体解决方案。

HPET preform injection molding system is developed & specialized for large quantities production, with four advantages: high speed, precise positioning, fast response, energy saving. The equipped mold adopting hot runner with pin valves and scientific cooling system design, which is the most competitive production line offering the integrated perfect solution of low cost and high performance.



■ 采用多回路液压设计，高速高效，塑化与开合模取胚同步，缩短生产周期；

Accumulator with servo valve is adopted to control the injection accurately; two-circuit hydraulic design makes high speed and high efficiency, synchronization on plasticizing and opening-closing the mold to shorten the production cycle.

参数表 Parameter

说明	DESCRIPTION	单位	HPET-3300V6	HPET-4500V6	HPET-5000V6
国际公认型号	International size rating	UNIT	3300-2456	4000-3686	5000-4512
注射装置 INJECTION UNIT					
熔胶螺杆直径	Screw diameter	mm	95	105	115
熔胶螺杆长径比L/D	Screw L/D Ratio		24	24	24
熔胶螺杆行程	Molten Screw Stroke	mm	420	450	460
射胶螺杆直径	Screw diameter	mm	100	110	120
射胶螺杆行程	Injection Screw Stroke	mm	375	400	420
理论注射容积	Shot volume	cm ³	2945	3800	4750
注射量(PS)	Shot weight(@PS1.05)	g	2770	3570	4464
注射量(PET)	Shot weight(@PET1.3)	g	3430	4420	5527
注射量(PP)	Shot weight(@PP0.9)	g	2370	2740	3420
注射压力	Injection Pressure	Mpa	92	97	95
最大螺杆转速	Max.screw rotary speed	rpm	130	120	107
锁模单元 CLAMPING UNIT					
锁模力	Clamping force	KN	3300	4000	5000
开模行程	Opening stroke	mm	580	710	830
模板最大开距	Max.daylight	mm	1280	1530	1800
导柱内距(水平×垂直)Space between bars(H×V)		mm×mm	660×860	780×860	920×1020
模板尺寸(水平×垂直)Movable platen size(H×V)		mm×mm	940×1140	1100×1230	1240×1340
最大模厚	Max.mold height	mm	700	820	970
最小模厚	Min.mold height	mm	300	400	450
顶针行程	Ejector stroke	mm	180	200	200
顶出力	Ejector force	KN	184	270	360
顶退力	Ejector force	KN	115	140	200
顶针数目	Number of ejector pins		8+1	12+1	12+1
动力/电热 POWER UNIT					
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	55+37	30+30+55	37+37+45+45
加热功率	Heater power	KW	31	65	80
其他 GENERAL					
油箱容量	Oil tank capacity	L	800	1600	2100
机器重量	Machine weight	Ton	20	21	24
外形尺寸	Machine dimensions(L×W×H)	m×m×m	8.9×4×2.4	10.4×4.3×2.6	12×4.5×2.8

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

生产实例 Production Instance

- PET瓶胚 PET preform
- 模腔数: 48 Mould cavity: 48
- 产品重量: 12g Product weight: 12g
- 生产周期: 8s Cycle time: 8s
- 树脂种类: PET Resin type: PET

