

宝捷精机
PowerJet

BJ series

BJ系列标准型节能注塑机

(500 to 13,800kN)



BJ Standard Energy-saving Injection Molding Machine



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宝捷策划2018年5月印



佛山市宝捷精密机械有限公司
POWERJET PLASTIC MACHINERY CO., LTD.

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www.powerjet.cn

Introduction 公司简介

宝捷精机——注塑、吹瓶等专用注塑机械的高新技术企业！

POWERJET is a high and new technology enterprise of injection molding machine and blow molding machine.



佛山市宝捷精机有限公司成立于2000年，总部坐落于广东省佛山市三水高新技术工业园，拥有现代化厂房十多万平方米，引进了日本Mitsubishi、OKUMA、韩国DOOSAN公司的数控加工中心(CNC)等先进生产设备，是一家集研发、制造、销售、售后服务于一体的注塑、吹瓶等专用塑料机械的高新技术企业。

宝捷公司汇集了一大批塑机行业的专家和管理骨干，对客户需求、市场变化以及塑机技术与行业的发展有深刻的研究和认识。专业的团队成就了宝捷塑机“节能、高效、高速、精密”的几大优势，主导产品V6/S6系列节能型注塑机节电量可达25%~60%，成本效益明显。宝捷公司更关注客户的个性化需求，开发出针对PET瓶坯、PVC/PPR管件、薄壁、硅胶、电木、多物料等制品的专用机，并为客户提供整体化的解决方案。

国内在华南、华东、华中和西南、东北等设立二十多个办事处、经销点，海外在泰国、马来西亚、印尼、越南、乌兹别克斯坦、美国、墨西哥、巴西、巴基斯坦等设立经销商，产品远销六十多个国家和地区，公司逐步地构建和布局更为完善的全球营销网络和服务体系，真正把“以客户为中心”的经营理念 and 树立长期品牌战略结合起来，全心全意为中国和海外客户提供最周到的服务。



占地面积
Covering an area of
100000+
(平方米)
m²

员工数量
Number of employees
500+
(人)
people

专利技术
Patented technologies
80+
(项)
numbers

营销网络
Marketing network
60+
(国家/地区)
countries

POWERJET PLASTIC MACHINERY CO., LTD. was founded in 2000, the headquarter is located in Foshan high tech Industrial Park, Sanshui, Foshan in Guangdong Province, occupying an area of 100,000 square meters. Advanced equipments like CNC imported from Mitsubishi, OKUMA, DOOSAN are introduced. POWERJET is a high and new technology enterprise of R & D, manufacturing, sales, after-sales service of injection molding machine and blow molding machine.

Powerjet has a large number of experts in plastic machinery industry and management personnel with ability, who can have the profound study and understanding on the customer needs, market change, machine technology and industry development. The professional team achieves several advantages of Powerjet plastic machinery "energy-saving, high performance, high speed, precision". The leading products of V6/S6 plastic injection molding machines, can save power of about 25%~60%, which are cost-benefit significantly. Powerjet also focuses on the development of special machines according to the customer's need, like machines for PET preform, PVC/PPR fitting, thin-walled product, silicone, batelle, and multi-material products, and also provide the turnkey projects for the customers.

More than 20 offices have been set up in the areas of south-China, east-China, central China, and south west China, and etc., and in overseas like Thailand, Malaysia, Indonesia, Vietnam, Uzbekistan, USA, Mexico, Brazil, and Pakistan. Selling to more than 60 countries in the world, on the basis of gradual improvement, for perfecting the construction and layout of the nationwide and international sales networks and service system, Powerjet takes "customer-centric" business philosophy and builds long-term brand strategy to offer the most attentive customer service.



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Production Strength

生产实力

先进的经验与精益化生产

Advanced experience and lean production

今天的宝捷精机，汇聚了一大批塑机行业的技术专家和管理精英，拥有强大的技术开发和产品创新转化能力，平均每年都有10多款新机型推出，充分满足了差异性、定制化的市场发展需求。在总面积为50000多平方米的生产区域，我们配备了自动化的生产线和积极热忱的员工。精益化的组织结构、高效的操作流程和超现代的机器设备保证了生产的高效和灵活性，使得我们在确保质量和最快生产周期的同时，能以极富竞争力的价格满足客户的需求。

生产区面积
Production area of
50000+
(平方米)
m²

年产量
Annual output
3000+
(台)
sets



生产办公室 Production office



Today's Powerjet, together with a large number of personnel in the field of technical experts and management elite, has a strong technology development and product innovation capabilities, an average of 10 new models each year introduced to fully meet the needs of customized market. In a production area of more than 50,000 square meters, we have an automated production line and an active staff. Lean organizational structure, efficient operation and ultra-modern machinery and equipment to ensure the production efficiency and flexibility, allows us to ensure quality and the fastest production cycle at the same time, at very competitive prices.



Service 服务

注塑成型解决方案、成本优化专家！

Professional solution In Injection molding, cost optimization expert.



您理想的工业合作伙伴

无论您是在塑料制造还是加工领域，宝捷精机都是您理想的合作伙伴。我们凭借多年的塑料机械制造经验，紧随市场需求，吸收国外的先进设计理念，结合最新技术，不断开发出新的工艺和设备。

服务于各行业的专业塑料机械解决方案

我们的技术创新中心负责提供锁模力从500-35000kN范围内的标准型和专用型注塑机、配套设备及全自动解决方案。我们的客户群遍布于饮料、包装行业，日常用品行业，办公、体育用品行业，医药、保健品行业，家电行业，电子行业，汽配行业，玩具、礼品行业等，而且来自世界各地。

全程贴心服务

我们从洽谈到确定最佳方案，从设备的安装调试、维护保养、系统操作到生产过程，每个阶段我们都为您提供合理建议和完善的解决方案，还有快速的配件供应以及便捷的技术服务和支持。

模块化设计满足客户个性定制

我们利用专业的知识帮助您取得成功。基于设备模块化的工程设计理念，以便客户量身定制式的快速的生产，既能帮助客户解决各种特殊工程难题，也为客户带来巨大的成本和技术优势。

服务支持

- 整机及部件提供十二个月免费保修服务(易损件除外)；
- 售前提供产品和技术咨询；
- 根据用户特别要求提供整体解决方案；
- 协助用户设计厂房布局及水电配置；
- 免费调试及产品使用培训；
- 24小时全天候维修服务；
- 产品升级及改造服务；
- 产品维护知识技能培训；
- 塑料制品品质升级增值服务；
- 其它服务。

庞大的营销网络覆盖全球，
贴近用户的办事处和代理点真诚为您服务！

With global sales network, our local offices and agents can provide more convenient and sincere services.

国内服务请咨询 (For domestic service, please call) : 0757-86697806、86697585；
海外服务请致电 (For international business, please call) : 86-757-86695738 or email : powerjet@126.com



The ideal industrial partner

No matter you are in the field of plastic manufacture or processing industry, Powerjet will always be your ideal partner. We follow the market demands, absorb foreign advanced design concept and combine with up-to-date technology to develop new technology and equipment by many years of plastic machinery manufacturing experience.

Professional plastic machinery solution to various industries

Our technical innovation center can provide standard or special design injection molding machines, auxiliary equipment, and together with fully automated solution. Our customers around the world cover various industries such as beverage packaging, daily necessities, office, sporting goods, medicine, health care products, appliance, electronic products, auto, toys, and gift industry etc.

Full caring service

We not only provide reasonable advices and perfect solution, but also rapid fittings supply and convenient technical support during all our cooperation stages including negotiation, equipment installation and test, production process, and maintenance etc.

Modular designs can meet clients' customized demands

We make use of our professional knowledge to help you achieve the success. Based on the engineering design concept of equipment modular, we can produce rapidly when you need customized machines; and we also help you to solve various special engineering problems, which will bring you cost saving and technology advantages.

Service and support

- 12 months free of charge warranty service on complete machine and parts (wearing parts not included)
- Provide consultant on product and technology before sales
- To provide the turnkey projects according to the customers' requirement.
- Assist customer to design factory layout, water and electricity facilities layout
- Test running & training free of charge
- Maintenance service in 24 hours
- Product upgrading and reconstructing services
- Training on product maintenance
- Value added service on upgrading plastic parts quality
- Other services

Standard Injection Molding Machine Series

标准型节能注塑机系列

面对下一个十年日益提升的客户需求，我们以前所未有的力度推进公司产品的升级换代，将“中小型机器油电和全电化、中大型机器两板化”作为公司的中长期产品发展策略，并兼顾产品的智能、环保、信息化方向，为公司的未来发展奠定坚实基础。

Faced with the increasing demand in the next decade, we are pushing forward the upgrading of our products with unprecedented efforts. We will regard the medium and long-term development strategy; take into account the intelligence, environmental protection and information orientation, laying a solid foundation for the company's future development.

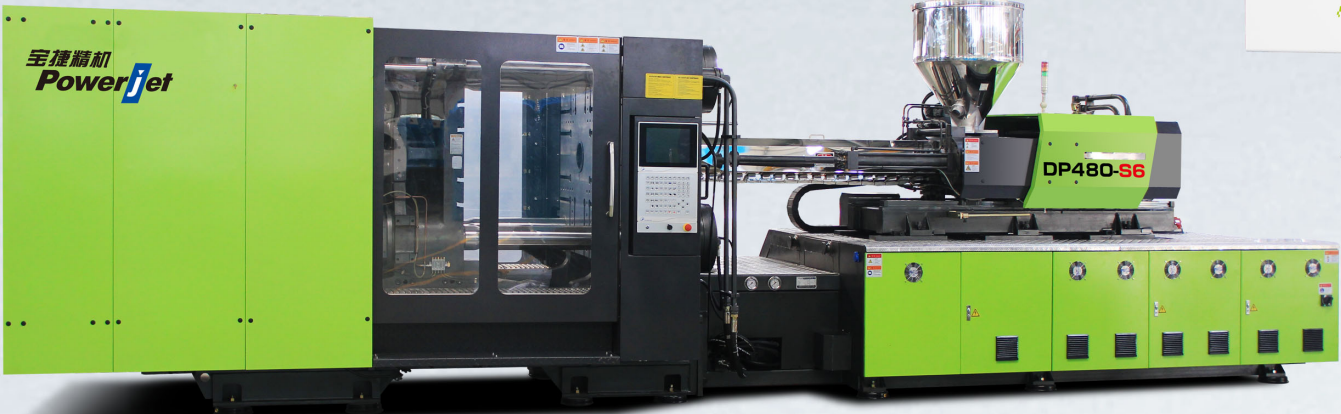
JE系列全电动注塑机
JE-series Full-electric Injection Molding Machine



KII系列高精密注塑机
KII-series High Precision Injection Molding Machine



DP系列两板大型注塑机
DP-series Two-platen Large Injection Molding Machine



V系列节能注塑机
V-series Energy-saving Injection Molding Machine



S系列伺服节能注塑机
S-series Servo Energy-saving Injection Molding Machine



JEV系列油电混合快速注塑机
JEV-series Hybrid High Speed Injection Molding Machine



V6 Hydraulic System

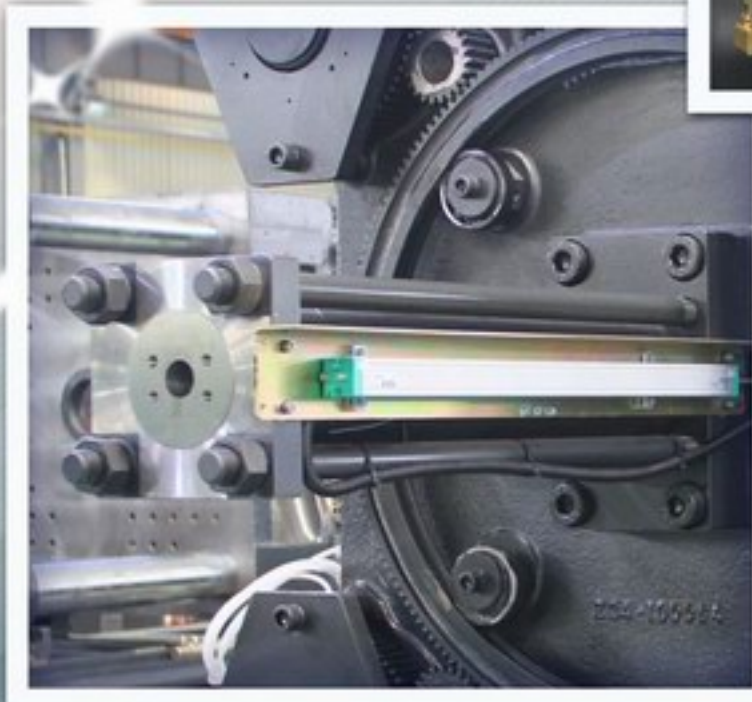
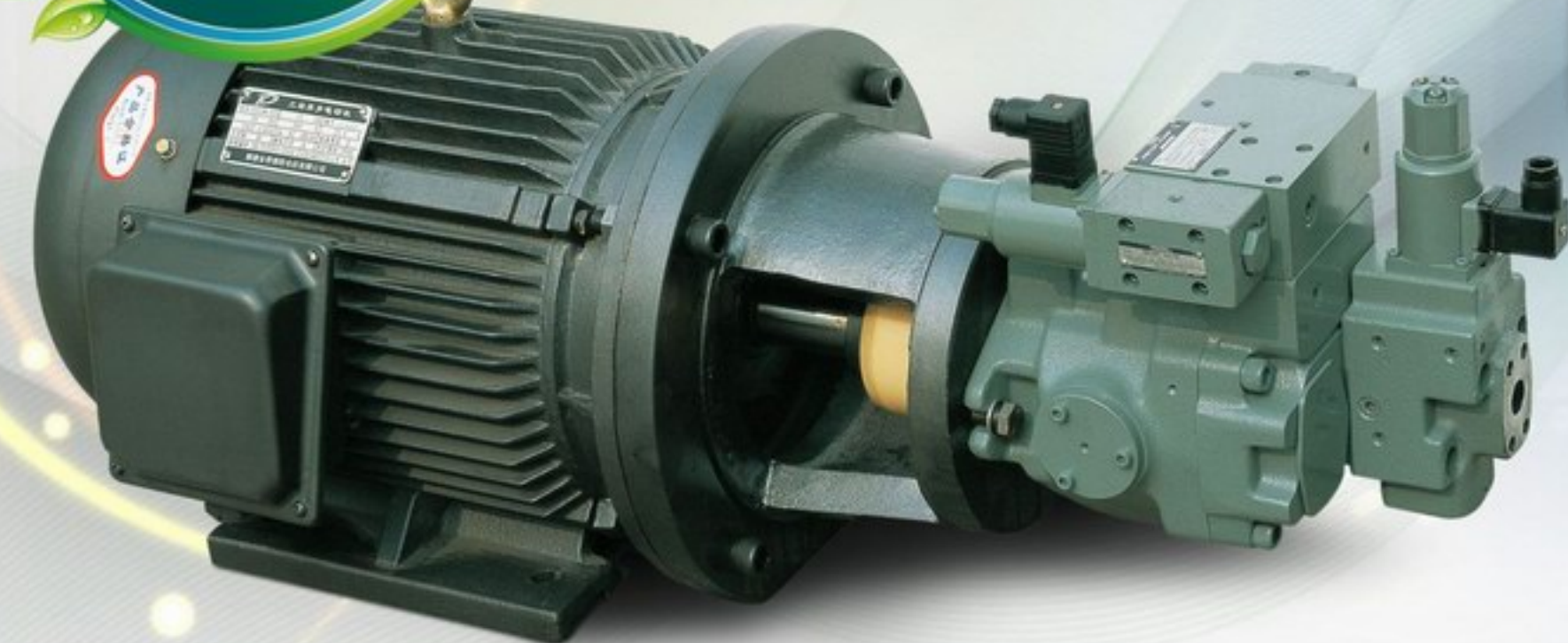
变量泵省电液压系统

设计先进，工作稳定、低噪、省电，提高经济效益。

Advanced design, stable working, low noise, energy saving, economic efficiency improvement.

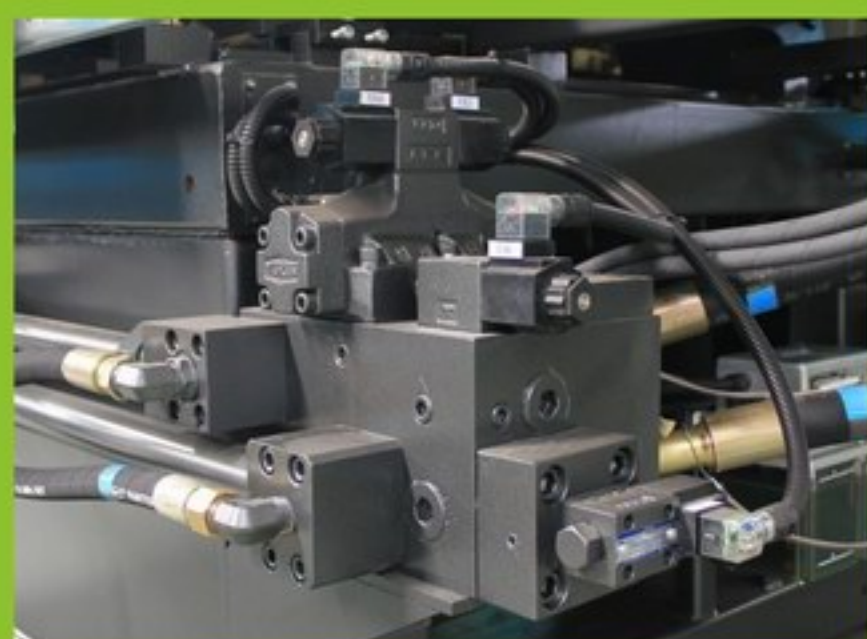
节电
save

25-45%



- 高精度电脑控制器和高效节能的柱塞式比例变量泵完美结合，省电达25%-50%，经济效益和社会效益双提高。同时降低了油温和减少了冷却水用量，延长了液压元件的寿命，降低了故障率，节约了维修成本；
- 高精度回油过滤器全流量过滤油路，滤油效果达NAS-7级，有效的防止液压油的污染和劣化，真正做到了不用换油，即为客户节省了使用成本，又保证了液压系统运行更平稳、密封件的寿命更长。(500以上用旁路滤油器)
- 进口高档液压元件，配合差动式油路设计，保证锁模快速、平稳、低噪，缩短成型周期，提高生产效率；
- 大流量插装阀的油路系统设计，既保证了系统响应快、冲击小的要求，又减少了油路的压力损耗；
- 螺旋导流式冷却器，换热效率高，压力损失小，保证液压系统运行稳定，提高重复精度和产品合格率；
- 低速大扭矩液压马达驱动螺杆，满足各种原料的塑化要求。

- Perfect combination between computer and high efficient proportional plunger variable pump saves electricity by 25%-50%. The economic efficiency is high.
- With full flow high precision return oil filter, the oil filter effect is up to NAS - 7 levels, can effectively avoid contamination and deterioration of hydraulic oil, thereby hydraulic parts work more stable and service life of hydraulic seals is longer.
- Imported advanced hydraulic valve incorporated with differential oil circuit guarantees mould locking device to be fast, stable and low noise, and reduces forming period, increase production efficiency.
- Cartridge valve added in the hydraulic system insures the fast response & small impact, which reduces the consumption of the pressure.
- Spiral flow cooler is high in heat transfer efficiency and less pressure loss. It guarantees stable operation of hydraulic system, improves repetition accuracy and qualification rate of products.
- Low speed and large torque hydraulic motor meets plasticizing demand of different raw material.



进口高档液压元件
Imported top grade hydraulic components



高精度回油过滤器全流量过滤油路
High-precision oil filter and full-flow by-pass oil filter



低速大扭矩液压马达驱动螺杆
Screw is driven by low speed & big-torque hydraulic motor

S6 Hydraulic System

伺服节能液压系统

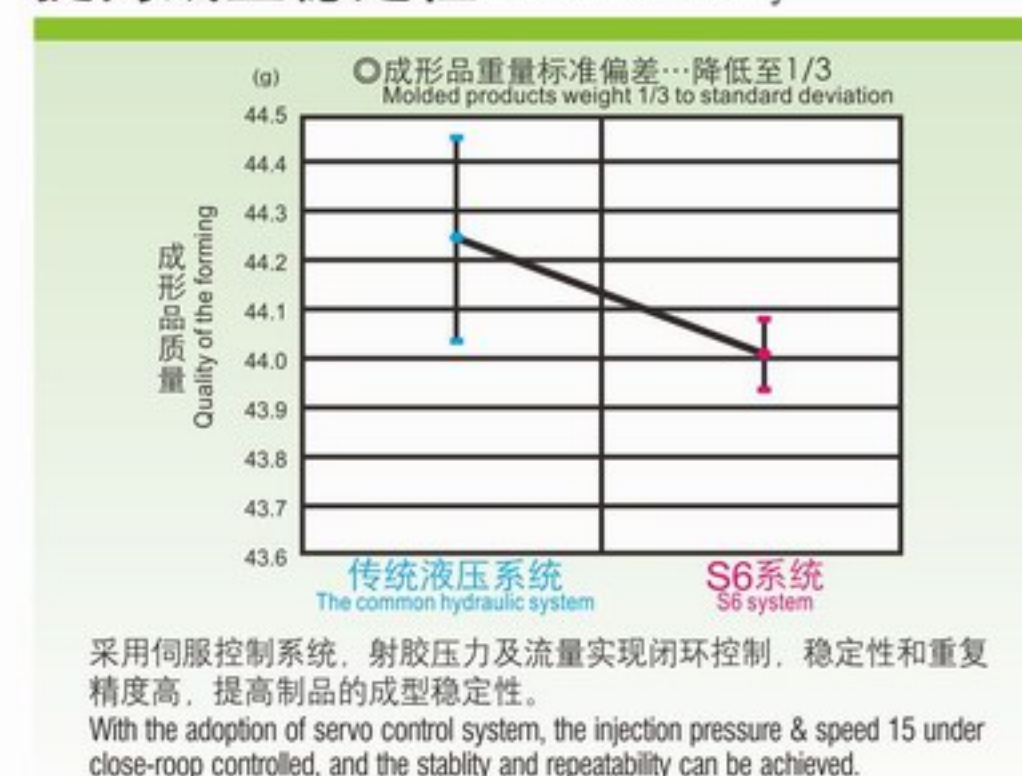


控制原理图 Schematic Diagram of Control

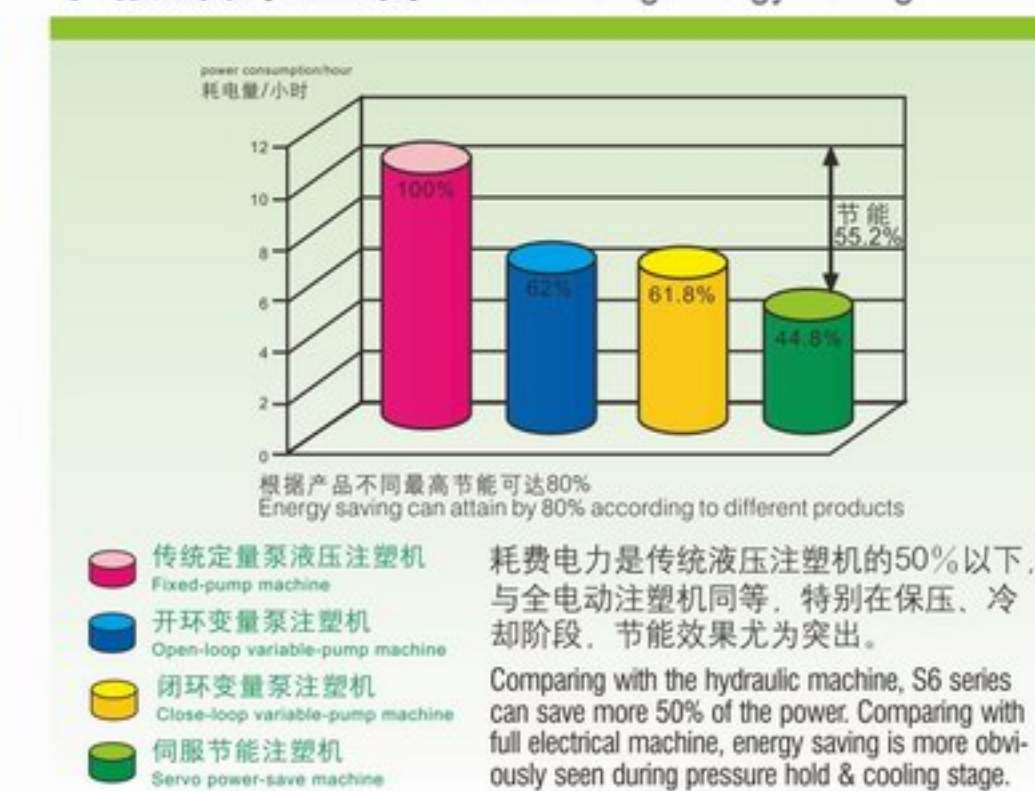
综合性评价 Integrated Evaluation



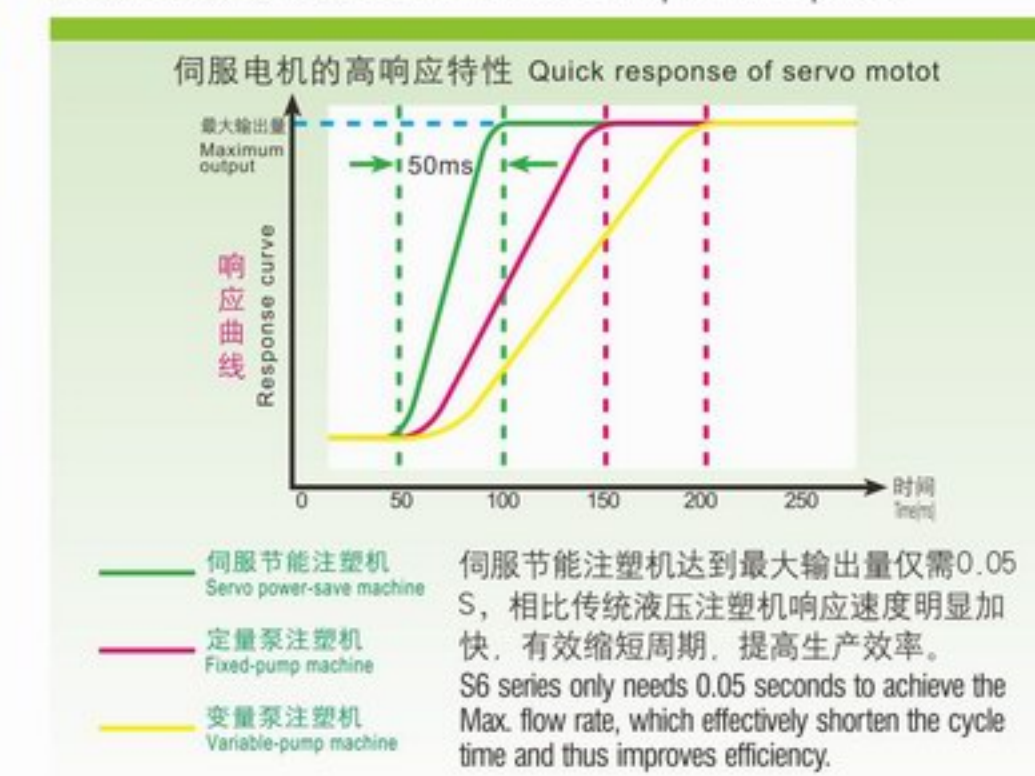
提高成型稳定性 Better Stability



节能效果显著 Outstanding Energy Saving



优异的高响应性 Faster Response Speed

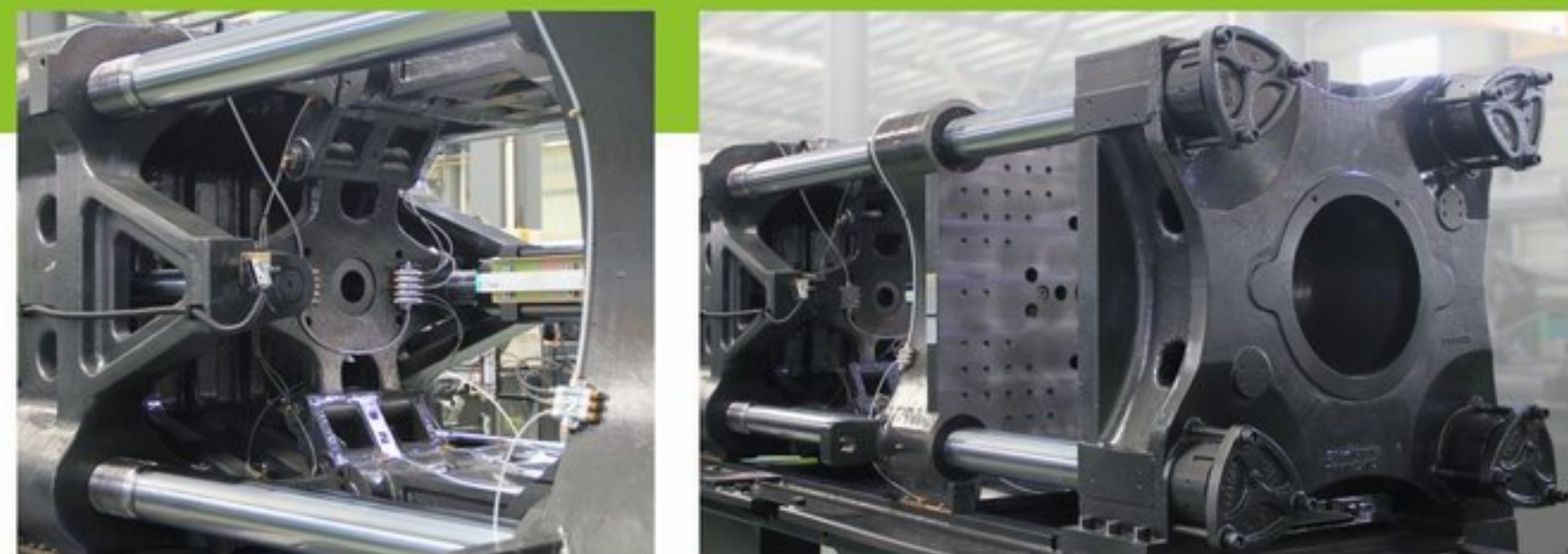
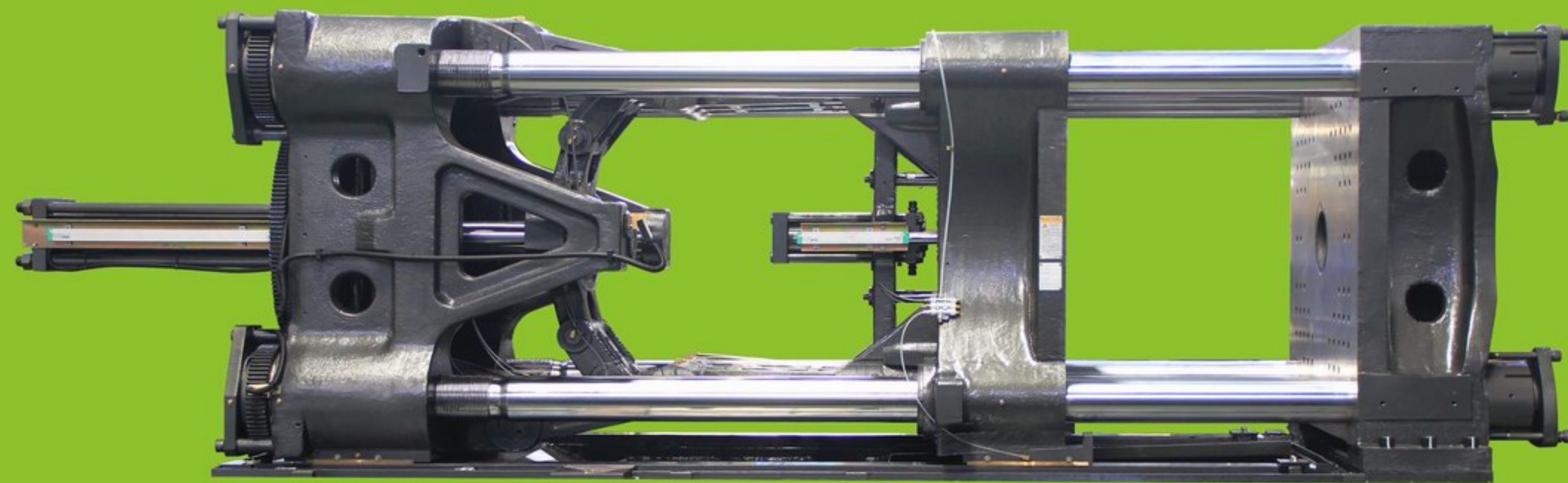


伺服节能注塑机装载了高性能的伺服电机动力控制系统，伺服电机输出的功率随负载变化而变化，不存在多余能量的损耗，保压阶段电机降低转速，能耗极低，冷却阶段电机不工作，能耗为零，提高注射精度的同时，大幅度节电、节水、降低噪音。真正实现了液压注塑机的一次全新革命。

Servo-motor injection molding machine is energy-saving and loaded with high-performance servo motor power control system; its power output can vary with load charge, which makes no excess energy loss; the servo motor automatically reduces rotary speed at the stage of pressure holding and without working at the stage of cooling, which will save energy and water consumption, improve injection accuracy, and reduce noise.

Clamping System

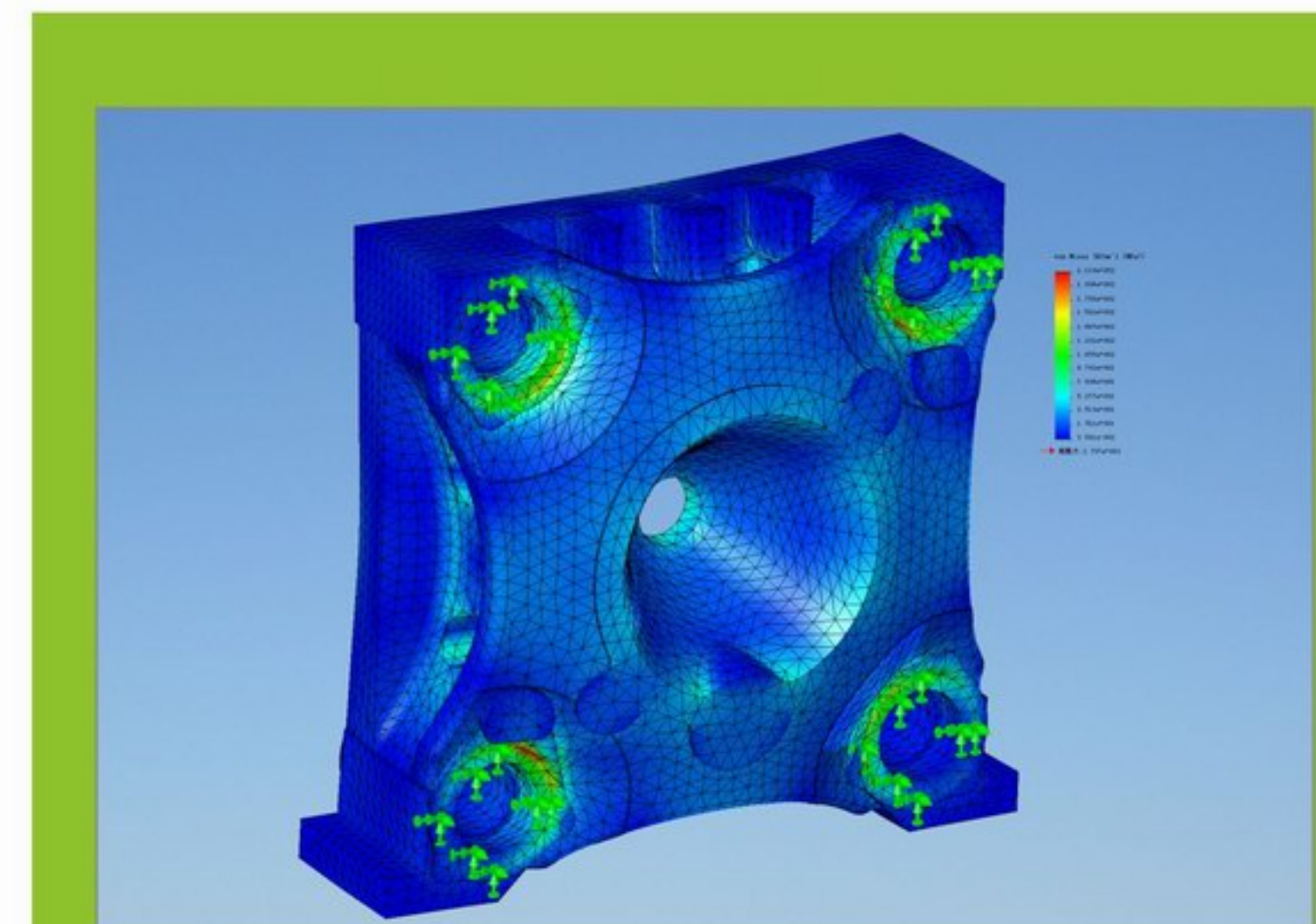
锁模系统



可靠耐用，有效保护模具，开合模重复精度高。

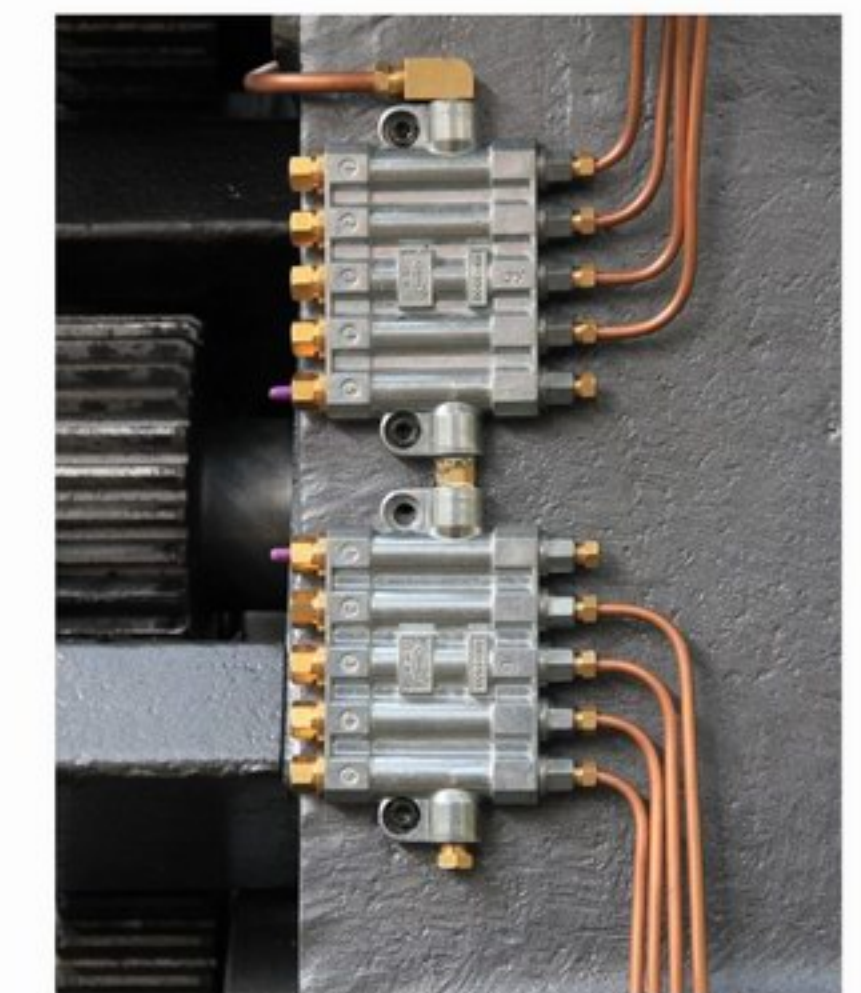
Reliable and durable, Effective mold protection,
High repeatability of mold opening and closing.

- 经过优化设计的5点式双曲肘锁模机构，具有开、合模速度快、平稳、省能的特点；
- 差动式特快锁模功能，有效的缩短了成型周期时间，提高了机器的工作效率；
- 可靠的低压保护功能，大大地延长了模具的使用寿命；
- 锁模T形槽使模具安装更加方便快捷；(选配)
- Five pivots double toggle mould clamping mechanism is featured with fast opening and clamping, stable and energy saving.
- Differential fast mould clamping device effectively reduces cycle time and increases working efficiency of the machine.
- Reliable low pressure protection function greatly prolongs the service life of the mould.
- T-Slot Platen makes fixing the mould in the machine more convenient.



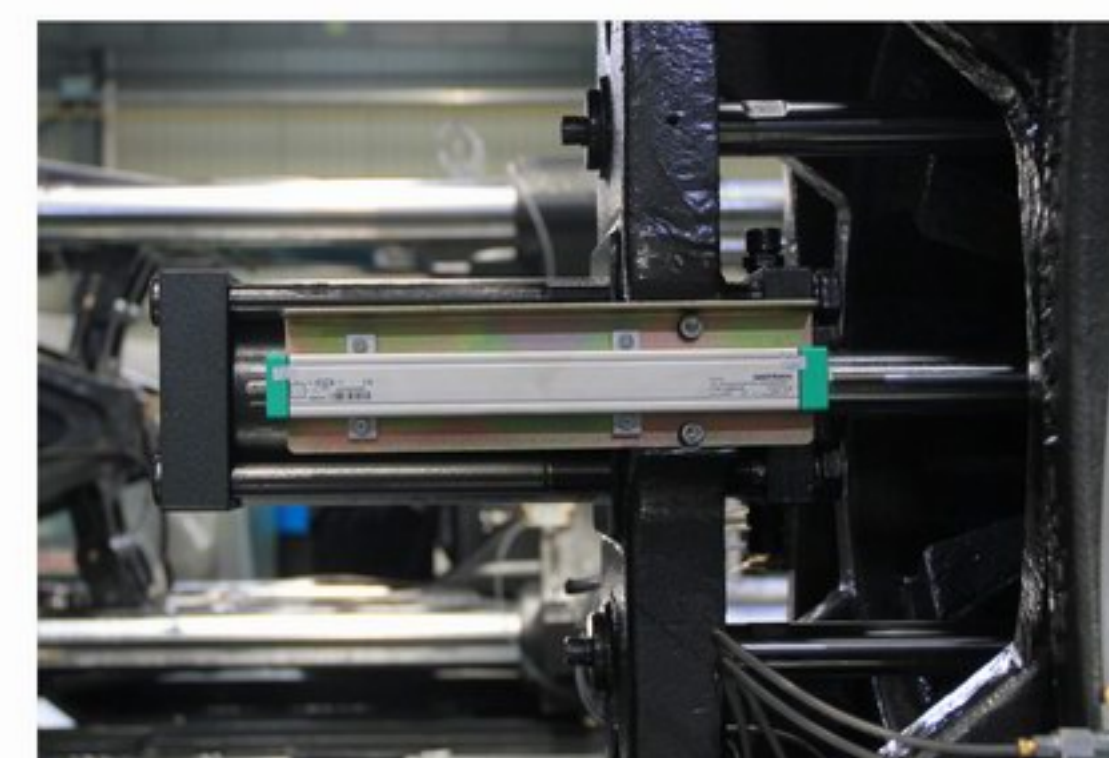
模板应用有限元技术进行结构辅助分析，使模板结构更合理、强度和耐疲劳性更好，使用寿命更长；

Finite element analysis is used on the structure of mould plates so that the structure of mould plate is more logical, stronger and higher fatigue resistance.



自动定量润滑系统。根据开、合模次数多少来自动控制润滑，保证锁模机械更稳定、可靠，寿命更长。

Automatic dosing lubrication system guarantees mould clamping mechanism to be more stable and reliable.



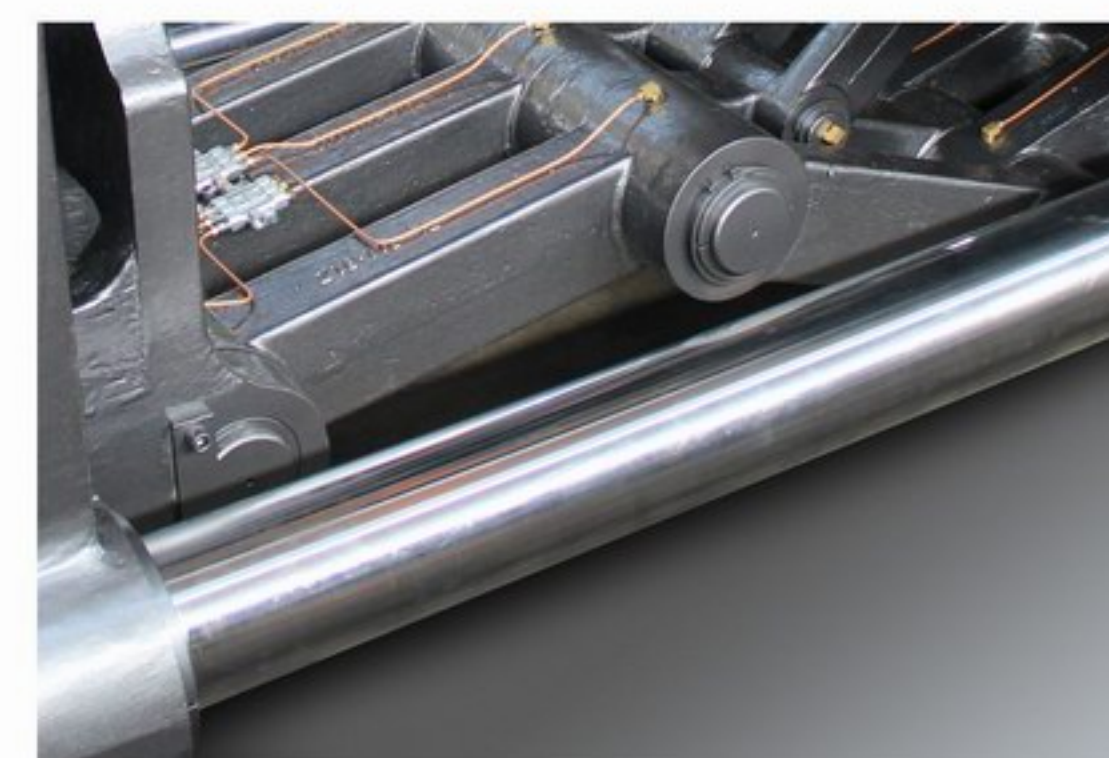
锁模和顶出行程采用高精度电子尺控制，设定精度可实现 $\pm 0.1\text{mm}$ 。低压保护和顶出行程设置更直观、更简单。

High precision electric meter is used to control position. The control precision is $\pm 0.1\text{mm}$.



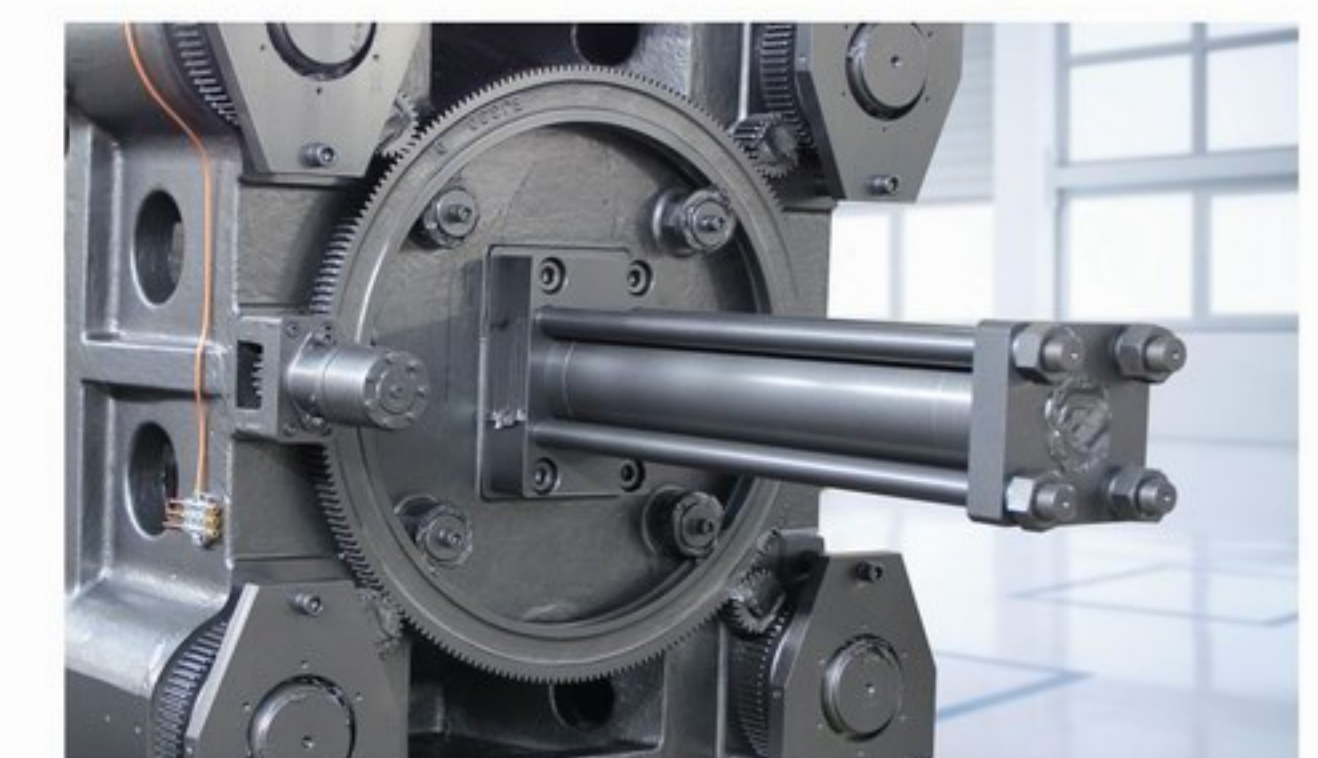
机械、液压和电气三重保护装置，确保操作人员安全，充分体现以人为本的设计理念(BJ400以上机器液压安全保护装置为标准配置)

Mechanical and double electric interlock protection devices guarantee the safety of the operators. (Machine above 400T is also equipped with hydraulic safety device.)



高刚性抗磨损镀铬导柱，具有高精度、高拉力、高强度、长寿命；

Wear resistant hard chromium plated tie bar is featured with high-tensile and high strength.



液压马达配合齿轮调模系统，使调模系统更加合理和完美；

Hydraulic motor with centering gear mould adjusting system makes mould adjusting system to be better.

Injection System

注射系统

稳定精密，调校操作方便、容易。
Stable & precise, easy for adjustment & operation.



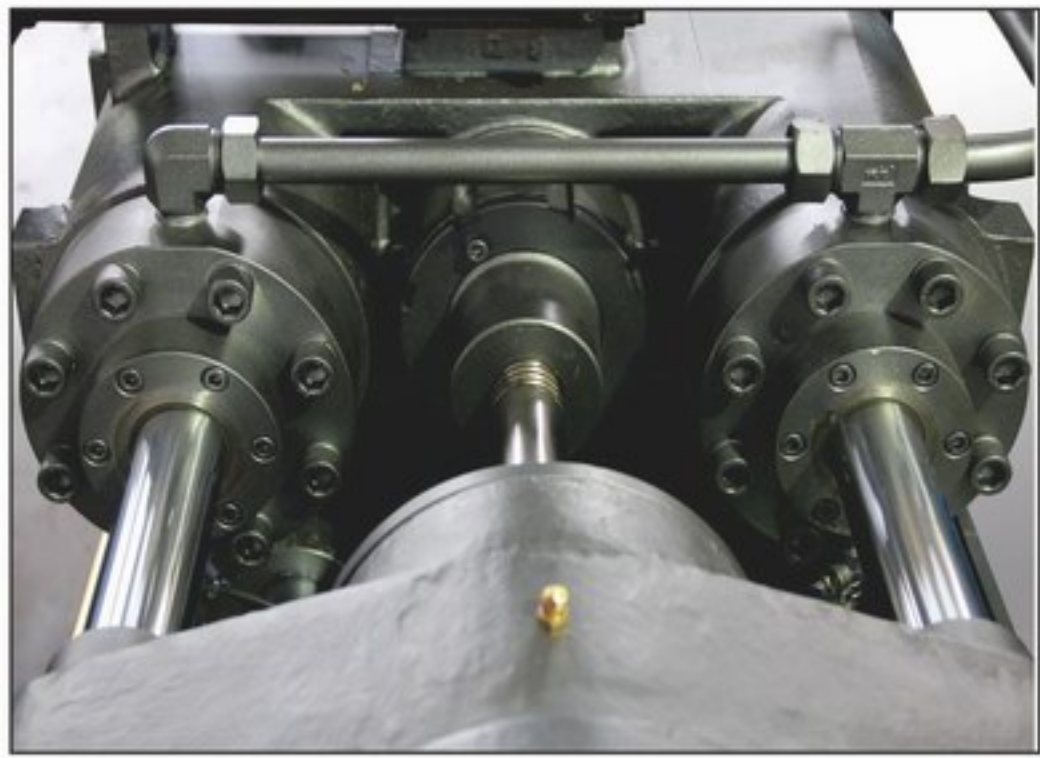
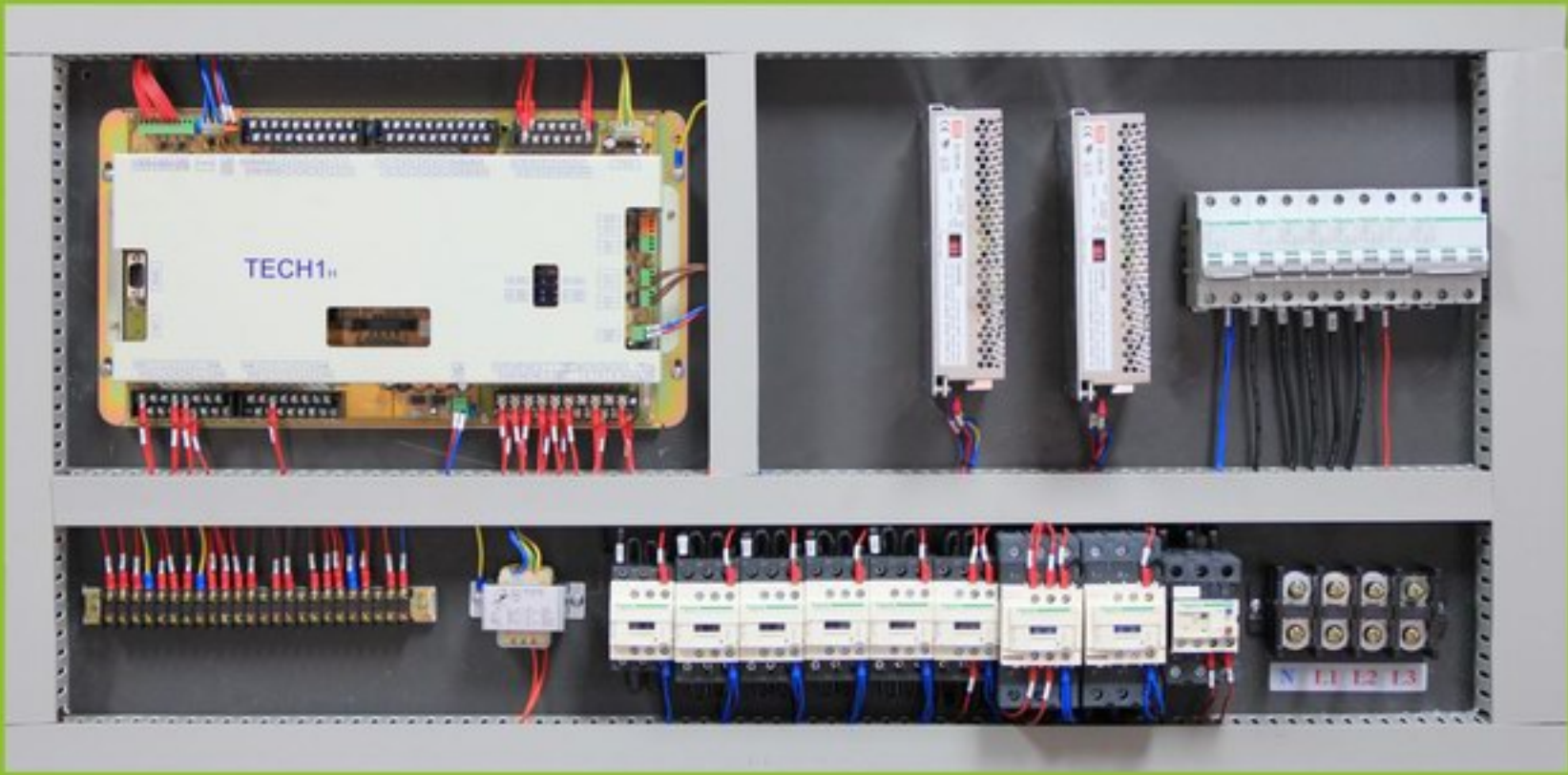
优良高效的分离型螺杆、高混炼螺杆及各种专用螺杆，提高物料的适用范围，保证熔料均匀和计量稳定；

Superior and efficient separating screw and high mixing screw increase the range of material used, and guarantee molten material to be uniform and stable.

Control System

控制系统

- 人性化的电脑控制系统功能强大、速度快、控制精准、操作简便，程序可满足多种工艺需求。
- 电箱等部件设计既考虑了走线的安全，同时也提升了操作和维护的方便。



双缸平衡式射胶机构，提供更高的射胶压力，机构更简单稳定，故障率更低维修更方便，同时又节省空间；

Double cylinder balance injection mechanism provides high-pressure injection, easy maintenance and saves space.



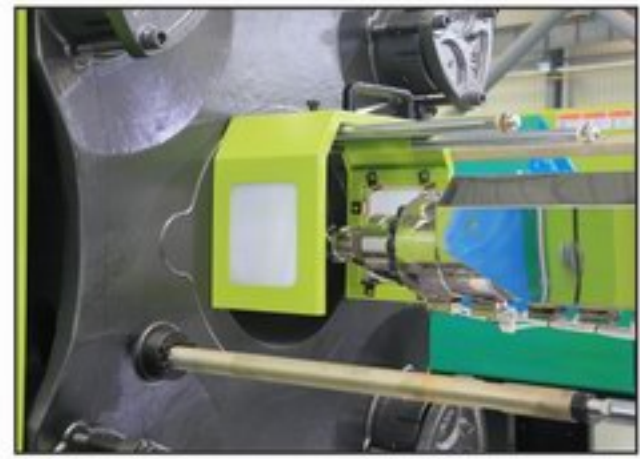
Bj250以上机型采用双射移油缸，受力更合理，并有效的防止了射嘴偏移，杜绝漏胶现象发生；

Machine above 250T adopts double injection cylinders to prevent injection nozzle displacement and avoid material leakage.



精密电子尺控制射胶、熔胶行程。

Precision electronic meter control on material injection, molten stroke.



射嘴保护罩 Nozzle cover

- User-friendly control system, powerful, fast, precise control, easy to operate, the program can meet various process needs.
- The electrical box and other components are designed with both the safety of the alignment and the convenience of operation and maintenance.
- 采用DSP54系列信号处理器。
- 系统稳定性好，故障率低，适应各种工业环境。
- 输入/输出规格灵活，可扩展性好，性价比高。
- 具有输出点短路、过电压、过电流等硬件保护装置，硬件防护到位，安全可靠。
- 8/12寸TFT显示屏。
- 内建超过29国语言可选。
- 温度自学惯控制及位置规划控制等功能，减少待机、调机时间。
- 具备通讯功能。
- 大容量存储空间，存储多组工艺参数、调机参数、日志记录等。
- DSP54 series signal processor.
- Stable system and low failure rate adapt to a variety of industrial environments.
- I / O specifications are flexible, scalable, and cost-effective.
- With the output point of short circuit, over voltage, over current and other hardware protection devices, hardware protection is in place, safe and reliable.
- 8/12-inch TFT display.
- Optional for over 29 languages.
- Temperature self-learning control and position planning control and other functions, reduce standby or adjustment time.
- With communication function.
- Large-capacity storage of multiple sets of process parameters, adjustment parameters, and log records, etc.

Device Configuration

设备配置

标准配置	Standard Devices
1. 注射系统 · 氮化钢螺杆料筒 · 滑轨式卸料装置 · 标准射嘴 · 双缸平衡注射装置 · 不锈钢料斗 · 螺杆防冷启动功能 · 自动清料功能 · 防流涎功能 · 多段料筒PID温控（4至7段） · 射胶熔胶故障自动检测 · 射嘴防护罩 · 精密电子尺控制射胶 / 熔胶行程	1. Injection system · Nitriding steel screw & barrel · Sliding rail unloading device · Standard injection nozzle · Double cylinder balance injection unit · Stainless steel hopper · Anti-cold start-up of screw · Automatic resin clear function · Anti leaking function · Multistage charging barrel PID temperature control（4 - 7 stages） · Automatic defecting on material molten and injection fault · Protective nozzle cover · Precision electronic meter control on material injection/molten stroke
2. 锁模系统 · 精密电子尺控制锁模 / 顶针行程 · 锁模三大板 / 机铰采用高刚性球墨铸铁 · 电脑控制两段顶出前进 / 后退动作 · 低压模具保护功能 · 液压驱动调模装置	2. Mold locking device · Precision electronic meter control mold locking / ejector stroke · Mold clamping three plates/hinges are made of high strength nodular cast iron. · Two stages forward / backward movement controlled by computer · Mold low pressure protection function · Hydraulic mold adjusting device
3. 液压系统 · 高性能进口定量泵 / 变量泵 · 熔胶背压调节装置 · 全流量精密回油过滤器 · 系统压力流量自动校正	3. Hydraulic system · High performance proportional variable pump system / variable-pump · Molten material back pressure adjusting device · Full flow precision return oil filter · Automatic adjustment of system pressure and flow
4. 控制系统 · 输入 / 输出检视功能 · 自动保温及自动加热设定功能 · 射胶转保压采用时间 / 位置 / 压力三种转换方式 · 各个动作斜率的独立调整 · 200组模具记忆功能、生产资料监测功能	4. Control system · Input / output viewing function · Setting function of automatic temperature retaining and heating · Time / position/pressure control on injection to pressure holding · Independent adjustment on slope of each movement · Two-sets of hydraulic core pulling/unscrewing mold release · Save for 200 sets of mold data & monitoring function for production data
5. 附件 · 说明书 · 工具箱 · 随机配件	5. Accessory · Operation manual · Tool box · Spare parts

宝捷精机

PowerJet®



日本油研



日本NOK



意大利杰弗仑



奥地利科霸



法国施耐德



美国伊顿



日本不二越



德国艾可勒



日本住友



丹麦丹佛斯



台湾弘讯



蒙德



菲仕



意大利英特姆

备选配置	Optional Configuration
1. 注射系统 · 加长射嘴（加长25/50/100mm） · 专用螺杆组件 · 干燥料斗 · 料筒吹风装置 · 自锁射嘴	1. Injection system · Long injection nozzle (Extended by25 / 50 / 100mm) · Special screw & Barrel · Hopper dryer · Barrel with air blowing devices · Self-locked injection nozzle
2. 锁模系统 · 加大容模量50/100mm · 加大顶针行程 · 吊模架 · 加装模具隔热板 · 特殊模具安装孔 · 电动安全门 · T型槽模板	2. Mold Clamping system · Enlarged mold capacity by 50/100mm · Super large ejector stroke · Mold hoisting carrier · Mold heat insulating plates · Special mold location ring · Electrical safety gate · T-slot mold platen
3. 液压系统 · 液压抽芯 / 旋转脱模装置 · 液压安全保护 · 独立油温控制系统 · 高响应伺服注射系统 · 闭环控制变量泵系统 · 氮气射胶装置 · 熔胶比例背压控制	3. Hydraulic system · Hydraulic core pull / Unscrewing mold release device · Hydraulic safety protection · Independent oil temperature control system · Sensitive servo control injection system · Closed-loop control variable pump system · Nitrogen material injection device · Melting by proportional back pressure control
4. 控制系统 · 电动旋转脱模装置 · 多组工模吹风 · 电动旋转脱模动接口 · 更改电源电压 · 加热固态继电器控制 · 欧规机械手接口	4. Control system · Electric unscrewing mold release device · Mold air blowing devices in moving mold Platen · Electric unscrewing mold release dynamic interface · Change of power supply voltage · Heating by solid-state relay control · Euro standard robot port

Parameter 参数表

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说 明	DESCRIPTION	单位UNIT	BJ50-V6/S6			BJ90-V6/S6			BJ126-V6/S6			BJ160-V6/S6			BJ200-V6/S6		
国际公认型号	Internatiional size rating		500-160			900-300			1260-400			1600-600			2000-930		
锁模单元	CLAMPING UNIT																
锁模力	Clamping force	KN	500			900			1260			1600			2000		
开模行程	Opening stroke	mm	265			320			350			440			490		
模板最大开距	Max.daylight	mm	575			680			750			940			1040		
模板外形尺寸	Platen size	mm x mm	480×480			540×540			610×610			705×705			775×755		
导柱内距	Space between bars	mm x mm	340×315			360×360			410×410			460×460			510×510		
最大模厚	Max.mold height	mm	310			360			400			500			550		
最小模厚	Min.mold height	mm	110			130			145			160			230		
顶针行程	Ejector stroke	mm	70			100			100			140			140		
顶出力	Ejector force	KN	20			34			42			49			65		
注射单元	INJECTION UNIT		i160			i300			i400			i600			i930		
螺杆直径	Screw diameter	mm	26	28	30	30	36	42	36	40	45	42	46	52	46	52	60
螺杆长径比 L/D	Screw L/D Ratio		21.3	20	18.3	20.7	20	17.2	23	20	18.2	22	20	17.4	23	19.9	17.5
注射压力	Injection Pressure	Mpa	257	221	193	266	185	136	205	166	131	213	177	139	230	180	135
理论注射容积	Shot volume	cm³	63	74	85	113	163	222	193	238	302	284	340	435	407	520	693
实际注射量(PS)	Shot weight(ps)	g(克)	54	62	75	101	145	198	173	213	270	253	302	387	362	462	617
		OZ(盎司)	2	2.4	2.8	3.6	5.1	7	6.1	7.5	9.5	8.9	10.7	13.7	12.8	16.3	21.8
注射速率(PS)	Injection rate	g/sec	54	62	72	54	78	106	88	109	137	105	126	161	119	153	203
塑化能力(PS)	Plasticizing capacity	g/sec	10	12	14	13	19	26	17	23	32	19	27	36	28	38	55
螺杆行程	Screw stroke	mm	120			160			190			205			245		
螺杆转速	Screw speed	rpm	206			174			190			210			170		
动力/电热	POWER UNIT																
油压系统压力	Hydraulic system Pressure	Mpa	17.5			17.5			17.5			17.5			17.5		
油泵电机功率	Pump motor power	KW	7.5 / 10.7			11 / 10.7			11 / 13.2			15 / 15.1			18.5 / 20.4		
加热功率	Heater power	KW	3.5			6			6			9.8			11.5		
其他	GENERAL																
空循环时间	Dry-cycle time	Sec	1.2			1.5			1.5			1.8			1.8		
油箱容量	Oil tank capacity	L	120			180			210			260			340		
理论机重	Machine weight	Ton	2.6			3			3.5			4.6			6.0		
外形尺寸	Machine dimensions(LxWx H)	m x m x m	3.4×1.0×1.6			4.0×1.2×1.7			4.3×1.2×1.8			4.8×1.3×1.8			5.2×1.4×2.1		

模板正面尺寸 Platen Dimensions	mm	
模板侧面尺寸 Platen Dimensions	mm	
机械手安装孔尺寸 Mechanical Installation Hole Size	mm	
模板正面尺寸 Platen Dimensions	mm	
模板侧面尺寸 Platen Dimensions	mm	
机械手安装孔尺寸 Mechanical Installation Hole Size	mm	
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模板正面尺寸 Platen Dimensions	mm	
模板侧面尺寸 Platen Dimensions	mm	
机械手安装孔尺寸 Mechanical Installation Hole Size	mm	

Parameter 参数表

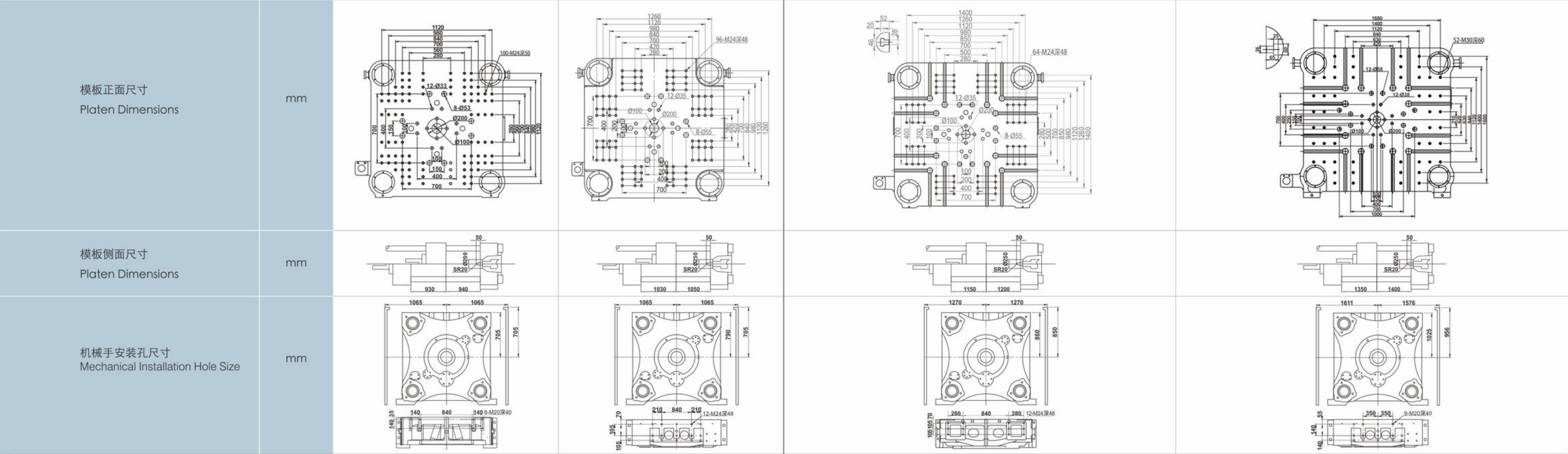
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说 明	DESCRIPTION	单位UNIT	BJ288-V6/S6			BJ330-V6/S6			BJ400-V6/S6				BJ500-V6/S6				BJ560-V6/S6									
国际公认型号	Internatiional size rating		2880-1340			3300-1900			5000-2500				5000-3500				5600-4000									
锁模单元	CLAMPING UNIT																									
锁模力	Clamping force	KN	2880			3300			4000				5000				5600									
开模行程	Opening stroke	mm	550			600			710				830				860									
模板最大开距	Max.daylight	mm	1160			1300			1440				1680				1740									
模板外形尺寸	Platen size	mm x mm	890×890			985×985			1050×1050				1150×1120				1250×1220									
导柱内距	Space between bars	mm x mm	610×610			670×670			740×720				820×780				860×860									
最大模厚	Max.mold height	mm	610			700			730				850				880									
最小模厚	Min.mold height	mm	280			300			300				300				300									
顶针行程	Ejector stroke	mm	145			180			210				220				240									
顶出力	Ejector force	KN	77			77			110				135				135									
注射单元	INJECTION UNIT		i1340			i1900			i2500				i3500				i4000									
螺杆直径	Screw diameter	mm	52	60	68	60	68	75	68	75	83	90	75	83	90	100	75	83	90	100						
螺杆长径比 L/D	Screw L/D Ratio		21	21	19	21	20.6	19	21	20	19	18.5	21	21.8	20	19	21	21.8	20	19						
注射压力	Injection Pressure	Mpa	226	169	132	217	169	139	208	171	140	119	204	167	142	115	204	167	142	115						
理论注射容积	Shot volume	cm³	594	791	1017	876	1126	1370	1198	1458	1786	2099	1722	2110	2481	3063	1922	2354	2767	3416						
实际注射量(PS)	Shot weight(ps)	g(克)	529	704	905	780	1002	1219	1066	1298	1590	1868	1533	1878	2208	2725	1715	2101	2470	3049						
		OZ(盎司)	18.7	24.8	32	27.5	35.4	43	37.6	45.8	56.1	65.9	54	66.3	77.9	96.1	61	74	87	108						
注射速率(PS)	Injection rate	g/sec	170	226	290	229	294	358	298	363	421	495	346	428	480	592	346	428	480	592						
塑化能力(PS)	Plasticizing capacity	g/sec	39	50	64	57	67	81	58	70	80	88	68	80	88	94	68	80	88	94						
螺杆行程	Screw stroke	mm	280			310			330				390				435									
螺杆转速	Screw speed	rpm	170			170			120				120				130									
动力/电热	POWER UNIT																									
油压系统压力	Hydraulic system Pressure	Mpa	17.5			17.5			17.5				17.5				17.5									
油泵电机功率	Pump motor power	KW	22 / 41			30 / 50			37 / 50				45 / 51.3				45 / 51.3									
加热功率	Heater power	KW	13.8			18			22				28				38									
其他	GENERAL																									
空循环时间	Dry-cycle time	Sec	3.0			3.2			4				5.8				-									
油箱容量	Oil tank capacity	L	420			460			630				810				810									
理论机重	Machine weight	Ton	8.0			10.0			15				18.5				23									
外形尺寸	Machine dimensions(LxWx H)	m x m x m	5.9×1.53×2.2			6.8×1.62×2.3			7.2×1.65×2.3				8.7×2.1×2.3				9.0×2.4×2.5									
模板正面尺寸 Platen Dimensions		mm																								
模板侧面尺寸 Platen Dimensions		mm																								
机械手安装孔尺寸 Mechanical Installation Hole Size		mm																								

Parameter 参数表

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说 明	DESCRIPTION	单位UNIT	BJ680-V6/S6			BJ850-V6/S6			BJ1000-V6/S6			BJ1380-V6/S6			
国际公认型号	Internatiional size rating		6800-5400			8500-6800			10000-8300			13800-12000			
锁模单元	CLAMPING UNIT								T型槽			T型槽			
锁模力	Clamping force	KN	6800			8500			10000			13800			
开模行程	Opening stroke	mm	930			1030			1150			1350			
模板最大开距	Max.daylight	mm	1870			2080			2350			2750			
模板外形尺寸	Platen size	mm x mm	1340×1340			1550×1500			1700×1700			2000×1950			
导柱内距	Space between bars	mm x mm	930×930			1030×1030			1160×1160			1420×1280			
最大模厚	Max.mold height	mm	940			1050			1200			1400			
最小模厚	Min.mold height	mm	350			380			500			600			
顶针行程	Ejector stroke	mm	265			300			350			380			
顶出力	Ejector force	KN	184			290			290			300			
注射单元	INJECTION UNIT		i5400			i6800			i8300			i12000			
螺杆直径	Screw diameter	mm	85	90	100	90	100	110	100	110	120	110	120	130	140
螺杆长径比 L/D	Screw L/D Ratio		23.5	22.4	20	23.6	21	19.3	23	21	19.2	21	21	19.3	18.9
注射压力	Injection Pressure	Mpa	213	190	154	227	184	152	205	169	142	204	171	146	126
理论注射容积	Shot volume	cm³	2554	2863	3534	2990	3691	4467	4084	4942	5881	5892	7012	8229	9544
实际注射量(PS)	Shot weight(ps)	g(克)	2273	2548	3146	2661	3285	3976	3635	4398	5234	5259	6258	7345	8518
		OZ(盎司)	80	89.9	111	93.9	115.9	140.3	128	155	185	186	221	259	301
注射速率(PS)	Injection rate	g/sec	419	470	581	495	610	740	671	812	966	975	1160	1362	1579
塑化能力(PS)	Plasticizing capacity	g/sec	69	86	94	73	87	108	85	106	121	97	124	152	175
螺杆行程	Screw stroke	mm	450			470			520			620			
螺杆转速	Screw speed	rpm	135			120			115			107			
动力/电热	POWER UNIT														
油压系统压力	Hydraulic system Pressure	Mpa	17.5			17.5			17.5			17.5			
油泵电机功率	Pump motor power	KW	55 / 25.1+30.8			37+37 / 30.8+41			37+37 / 50+40			37+37+37 / 30.8+40+40			
加热功率	Heater power	KW	38			42			42			54			
其他	GENERAL														
空循环时间	Dry-cycle time	Sec	-			-			-			-			
油箱容量	Oil tank capacity	L	1000			1300			1600			1800			
理论机重	Machine weight	Ton	26			36			50			70			
外形尺寸	Machine dimensions(LxWx H)	m x m x m	9.1×2.4×2.5			10.5×2.6×2.7			11.0×2.9×3.1			13.0×3.0×2.8			



DP系列
Series

两板大型注塑机
Two-platen Large Injection Molding Machine



- 1 更省空间**
占地面积小，模具承载能力大。
More space saving: small footprint, bigger mold carrying capacity.

4 更小噪音
液压冲击小，噪声低，油路能耗小。
Smaller noise: small hydraulic impact, lower noise and oil consumption.

7 超长高刚性滑脚
具有更好的导向性和平行度，能承载更重的模具。
Long and high rigidity slider, with better orientation and parallelism, can carry heavier molds.

10 高精密线性导轨
注射响应快，定位精准。
High-precision linear guide results in faster injection response, and accurate positioning.
- 2 更省电**
伺服系统配置，省电能力强。
More power saving: servo system configuration, more energy-saving ability.

5 更自动化
开模定位准确，满足自动取件与镶件需求。
More automation: accurate mold positioning meets the needs of automatic pickup and insert.

8 锁模力无级调压功能
确保锁模力精确稳定。
Stepless adjustment function ensures the accurate and stable clamping force.

11 多种高效专用料管组可选
适应不同种类制品。
A variety of efficient special screw and barrel adapts to different types of products.
- 3 更精密**
生产精度高，产品不易飞边。
High precision: the product less flash.

6 更长寿命
模具受力均匀，使用寿命长。
Longer life: Even mold force insures long service life.

9 高刚性锁模机架
整机运行更加平稳。
High rigidity clamping frame makes the whole machine running more smoothly.

12 更高标准配置
12" 彩色显示屏，CPU内存达1.4G。
Higher standard configuration, with 12 "color display, CPU memory up to 1.4G



应用案例
Application

- 汽配行业：
保险杠、仪表盘、内饰件
Auto parts industry: bumpers, dashboards, interior parts

家电行业：
电视机、电冰箱、显示器外壳
Appliance industry: TV sets, refrigerators, monitors housings

环保行业：
深腔产品、户外垃圾桶
Environmental Industry: deep cavity products, outdoor trash

物流行业：
大型托盘、中转箱
Logistics industry: large trays, transit boxes

Parameter 参数表

说 明	DESCRIPTION	单位UNIT	DP480-S6							
国际公认型号	International size rating		4800-2500							
锁模单元	CLAMPING UNIT		T型槽							
锁模力	Clamping force	KN	4800							
开模行程	Opening stroke	mm	900-1400							
模板最大开距	Max.daylight	mm	1750							
模板外形尺寸	Platen size	mm x mm	1200×1200							
导柱内距	Space between bars	mm x mm	810×800							
最大模厚	Max.mold height	mm	850							
最小模厚	Min.mold height	mm	350							
顶针行程	Ejector stroke	mm	250							
顶出力	Ejector force	KN	110							
注射单元	INJECTION UNIT		i2500							
螺杆直径	Screw diameter	mm	60	68	75	75	83	90	100	
螺杆长径比 L/D	Screw L/D Ratio		21	20.6	19	21	21.8	20	19	
注射压力	Injection Pressure	Mpa	217	169	139	204	167	142	115	
理论注射容积	Shot volume	cm³	876	1126	1370	1922	2354	2767	3416	
实际注射量(PS)	Shot weight(ps)	g(克)	780	1002	1219	1715	2101	2470	3049	
		OZ(盎司)	27.5	35.4	43	61	74	87	108	
注射速率(PS)	Injection rate	g/sec	256	328	399	340	416	490	605	
塑化能力(PS)	Plasticizing capacity	g/sec	63	75	90	68	80	88	94	
螺杆行程	Screw stroke	mm	310			435				
螺杆转速	Screw speed	rpm	190			130				
动力/电热	POWER UNIT									
油压系统压力	Hydraulic system Pressure	Mpa	17.5 24			17.5 24				
油泵电机功率	Pump motor power	KW	50+5.5			25.1+30.8+5.5				
加热功率	Heater power	KW	18			28				
其他	GENERAL									
空循环时间	Dry-cycle time	Sec	-			-				
油箱容量	Oil tank capacity	L	650			810				
理论机重	Machine weight	Ton	13			13.5				
外形尺寸	Machine dimensions(LxWx H)	m x m x m	8.1×2.35×2.1			8.1×2.35×2.1				
模板正面尺寸 Platen Dimensions		mm								
模板侧面尺寸 Platen Dimensions		mm								
机械手安装孔尺寸 Mechanical Installation Hole Size		mm								

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.

Parameter 参数表

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.

说 明	DESCRIPTION	单位UNIT	DP800-S6						DP1680-S6						DP2200-S6						DP2800-S6						DP3500-S6					
国际公认型号	Internatiional size rating		8000-5400						16800-17300						22000-21500						28000-37500						35000-60000					
锁模单元	CLAMPING UNIT		T型槽						T型槽						T型槽						T型槽						T型槽					
锁模力	Clamping force	KN	8000						16800						22000						28000						35000					
开模行程	Opening stroke	mm	900-1400						1600-2300						1750-2700						1900-2900						2200-3300					
模板最大开距	Max.daylight	mm	1850						3000						3550						3800						4200					
模板外形尺寸	Platen size	mm x mm	1720×1600						2200×2100						2670×2450						2900×2600						3100×2700					
导柱内距	Space between bars	mm x mm	1160×980						1610×1450						1800×1650						1950×1750						2160×1950					
最大模厚	Max.mold height	mm	950						1400						1800						1900						2000					
最小模厚	Min.mold height	mm	450						700						850						900						900					
顶针行程	Ejector stroke	mm	300						380						420						480						550					
顶出力	Ejector force	KN	290						330						450						450						600					
注射单元	INJECTION UNIT		i5400			i6800			i17300				i21500				i37500				i60000											
螺杆直径	Screw diameter	mm	85	90	100	90	100	110	130	140	150	160	140	150	160	170	170	200		220												
螺杆长径比 L/D	Screw L/D Ratio		23.5	22.4	20	23.6	21	19.3	23.7	22	20.5	19.3	24	22	20.5	20.5	23.5	20		21												
注射压力	Injection Pressure	Mpa	213	190	154	227	184	152	193	166	145	127	186	162	142	126	165	119		138												
理论注射容积	Shot volume	cm³	2554	2863	3534	2990	3691	4467	8960	10391	11928	13527	11545	13254	15080	17024	22698	31416		43715												
实际注射量(PS)	Shot weight(ps)	g(克)	2279	2555	3154	2669	3295	3986	7996	9274	10636	12113	10304	11829	13459	15194	20258	28039		39016												
		OZ(盎司)	80.4	90.1	111.3	94.1	116.2	140.6	282	327	375	427	363	417	475	536	715	989		1374												
注射速率(PS)	Injection rate	g/sec	545	611	754	509	628	760	915	1061	1218	1386	1245	1429	1626	1836	1871	2590		2250												
塑化能力(PS)	Plasticizing capacity	g/sec	59	66	81	51	63	77	138	147	165	176	149	163	172	181	220	300		420												
螺杆行程	Screw stroke	mm	450			470			675				750				1000				1150											
螺杆转速	Screw speed	rpm	160			125			95				70				70				50											
动力/电热	POWER UNIT																															
油压系统压力	Hydraulic system Pressure	Mpa	17.5 24			17.5 24			17.5 24				17.5 24				17.5 24				17.5 24											
油泵电机功率	Pump motor power	KW	30.8+40.1+14			30.8+40.1+14			32.7+41+41+11				50×4+11				50×5+11				50×5+22											
加热功率	Heater power	KW	51			57			76				115				115				210											
其他	GENERAL																															
空循环时间	Dry-cycle time	Sec	-			-			-						-						-						-					
油箱容量	Oil tank capacity	L	1000			1000			2600						2800						4000						5000					
理论机重	Machine weight	Ton	32			34			75						156						170						200					
外形尺寸	Machine dimensions(LxWx H)	m x m x m	8.8×2.95×2.3			9×2.95×2.3			12.5×4.5×3.5						17.5×4.2×4.0						18×4.8×4.2						18.5×5.2×4.2					
模板正面尺寸 Platen Dimensions	mm																															

Special Injection Molding Machine Series 专用型注塑机系列

KF 系列
Series 高速薄壁专用注塑机
Special Injection Molding Machine
for Thin-wall Products



SI 系列
Series 硅胶专用注塑机
Silicone Injection Molding Machine



BJM 系列
Series 多物料专用注塑机
Multic Material Injection Molding Machine



PET 系列
Series 高速瓶坯专用注塑机
High Speed Preform
Injection Molding Machine



IBM 系列
Series 注吹专用注塑机
Injection & Blow Molding Machine



LD 系列
Series 全自动注拉吹中空成型机
Automatic Injection & Stretch Blow Molding Machine



PB 系列
Series 制桶专用注塑机
Paint Bucket Injection Molding Machine



T 系列
Series 电木专用注塑机
Bakelite Injection Molding Machine



FB 系列
Series 果框专用注塑机
Fruit Basket Injection Molding Machine



F 系列
Series 尼龙扎带专用注塑机
Injection Molding Machine for Nylon Ribbon



PVC 系列
Series 专用注塑机
Special Injection Molding Machine



PE 系列
Series 双壁波纹管承插口注射成型机
Special IMM for Double-wall Corrugated Pipe Socket

