SUNBUN 圣邦注塑机
SUNBUN INJECTION MOLDING MACHINE

本说明书仅用于系列产品的相关信息，因技术升级或采用更新的生产工艺更改手册的相关内容，或对本手册印刷数据不准确的信息进行必要的修改，恕不另行通知，采购时请与我们联系，确保正确信息！

This Instruction only contains information about our product series. If any change arising from technology upgrading or the use of new production processes, or any necessary modification of the inaccurate data printed herein, no prior notice will be sent. To get correct information, please contact us before purchase!

ISO9001 ISO14001 OHSAS18001
MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT

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SUNBUN 圣邦注塑机
SUNBUN INJECTION MOLDING MACHINE

www.sunbun.cc
2023.03 VERSION

中国智造 机械直压

INTELLIGENT MANUFACTURING
MECHANICAL VERTICAL-COMPRESSION

创新永无止境
品质创造未来

Endless innovation,
Quality creates the future.

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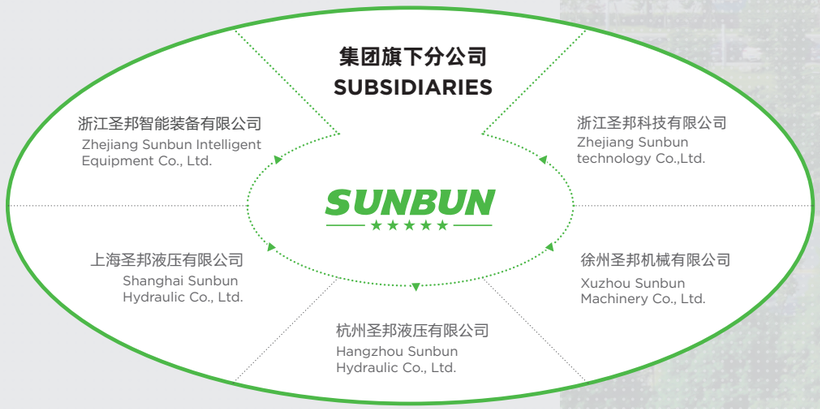
SUNBUN COMPANY PROFILE

圣邦集团简介

圣邦集团始创于 1993 年，历经 30 多年的发展，现拥有浙江杭州、温州、上海金山、江苏徐州等地共六大生产基地。专业从事工程机械液压元件及系统和传动执行机构科研、设计、生产、服务，是国家级高新技术企业。2000 年集团出资投入注塑机的研发与生产，公司主要产品有液压元器件、斜轴式柱塞马达 / 泵、工程机械卷扬和回转减速机、行走减速机、注塑机等五大类，一百多个系列，两千多个品种。为客户提供的整套液压动力系统，广泛应用在工程汽车起重机、履带起重机、随车起重机、混凝土机械、装载机、旋挖钻机、平地机、环卫设备。支撑行业发展并逐步替代国外进口产品，汽车起重机的市场占有率行业中位居前位。

Founded in 1993, Sunbun Group now has possessed six production bases in Hangzhou, Wenzhou of Zhejiang Province, Jinshan of Shanghai, Xuzhou of Zhejiang Province, etc. through over 3 decades of development. As a national-level high-tech enterprise, it specializes in scientific research, design, and production of the hydraulic components, systems and actuators of construction machinery, and provides necessary services. In 2000, the Group invested in the research, development and production of the injection molding machine. Main products of this company can be classified into five categories, namely the hydraulic components, oblique-axis piston motor/pump, winch and rotary reducer for the construction machinery, traveling reducer, and injection molding machine, as well as over 100 product series and 2,000 products. The company provides a complete set of hydraulic power system, which can be widely applied to the construction auto crane, crawler crane, lorry-mounted crane, concrete machinery, loader, rotary drill, land leveler, and sanitary devices. Its products have backed up the industrial development, and gradually replaced those imports, taking the lead in market share of the auto crane industry.



INTRODUCTION TO ZHEJIANG SUNBUN INTELLIGENT EQUIPMENT CO., LTD.

浙江圣邦智能装备简介

浙江圣邦智能装备有限公司（以下简称“圣邦”）是一家成立于 2002 年的品牌企业，主要从事自动化智能装备、智能集成系统、橡塑机械的研发、制造、销售等业务。圣邦凭借 30 多名科研技术人员持续努力、开拓创新，成功推出了各种专业注塑机（医疗器材专用机、鞋跟专用机、扎带专用机、制笔专用机），后续将 SK 机械直压系列注塑机推向市场。SK 系列注塑机由于具备独特的优势，成为圣邦今后的主打产品，并开始研发二板机系列产品。

Zhejiang Sunbun Intelligent Equipment Co., Ltd. (hereinafter referred to as "Sunbun"), a brand enterprise founded in 2002, mainly engages in R&D, manufacturing and sale of automation intelligent equipment, intelligent integration system and rubber plastic machinery. Thanks to efforts and innovations made by over 30 researchers and technicians, Sunbun succeeded in launching various injection molding machines with special uses (e.g. manufacturing medical equipment, shoe heels, ribbons, and pens). SK series injection molding machine, featuring mechanical vertical-compression, will soon be introduced to the market, and become the featured product of Sunbun due to its unique merits. Research and development for the two-plate injection molding machine is underway.

2009 年 8 月时任国务院总理温家宝等多位国家和省部级领导人莅临圣邦视察指导，对于圣邦长期以来致力于液压件与注塑机的设计与研发感到很欣慰。温总理说：“国内机械装备控制零部件大部分都靠进口，这可是我们的‘卡脖子产品’，你们要继续努力研发出更好的产品来填补国内市场的空白，占领更多的市场，结束国内机械装备零部件依靠进口的局面”。

In August 2009, Premier Wen Jiabao of the State Council, companied by other leaders at the national, ministerial and provincial level visited Sunbun, and felt delighted for Sunbun's long-term devotion to the design and R&D of hydraulic components and injection molding machines. Premier Wen said: "Most of the control parts of our construction machinery are imported, that's our weak point. You should keep working hard, and develop better products to fill in the gap of Chinese market, strive for more market share, and bring an end to current situation."

PATENTS AND HONORS
专利与科研荣誉

圣邦是国家级高新技术企业。先后承担了“国家火炬计划”、“国家星火计划”的研发和实施，企业拥有 11 项技术发明专利。

Sunbun, as a national-level high-tech enterprise, has participated in the R&D and implementation of "China Torch Program" and "Spark Program", boasted 11 patents for technological invention.

R&D CENTER
研发中心

圣邦液压技术研发中心是浙江省省级高新技术企业研发中心，徐州圣邦研发中心是江苏省工程中心。研发中心依托公司厂房，其办公场所面积已达到 680 平方米，研发中心拥有的实验室面积合计达到了 1500m²，目前拥有研发人员 132 人，其中拥有中高级技术职称人员 20 余名。强大的科技技术研发团队，源源不断的为企业科技创新注入新的活力，并把研发的先进技术应用到注塑机、工程机械上。

Sunbun Hydraulic Technical R&D Center serves as a provincial-level high-tech enterprises R&D center of Zhejiang, while Xuzhou Sunbun R&D Center the engineering center of Jiangsu Province. Those centers, settling in the company's workshops, boast an office space totaling up to 680 square meters, and laboratories covering an area of 1,500m2. 132 researchers have been employed, 20 of whom have been granted the intermediate and senior titles for excellent skills. Relying on such a strong R&D team, the enterprise has been constantly invigorated with new energy for innovation, and applied the advanced technical achievements to the injection molding machine and engineering machinery.

依托集团强大的技术及研发实力保证了圣邦塑机的液压及油路设计始终处于行业顶尖水平。
Benefiting from strong technical and R&D strength, Sunbun Injection Molding Machine always ranks among the best in the industry for the hydraulic and oil circuit design.

浙江大学 - 圣邦液压研发中心
ZHEJIANG UNIVERSITY SUNBUN HYDRAULIC R&D CENTER

本着“互惠互利、优势互补、合作创新、共同发展”的原则，浙江大学和圣邦集团有限公司于 2012 年就共同建设浙江大学——圣邦液压研发中心达成了一致意见。圣邦集团与机械工程学系机械电子控制工程研究所，流体动力与机电系统国家重点实验室不断加强合作，共同研发国内一流的多路阀试验台、多通径大流量伺服阀等多个项目。研发中心的设立，为进一步加强校企合作、推动国内液压技术的研发奠定了坚实基础。

Based on the principle that "striving for mutual benefit, cooperative innovation and joint development, and learning from each other's advantages", Zhejiang University and Sunbun Group Co., Ltd. reached a consensus in 2012 about the construction of Zhejiang University——Sunbun Hydraulic R&D Center. Sunbun Group has constantly deepen the cooperation with the Institute of Mechatronic Control Engineering of the School of Mechanical Engineering, Zhejiang University, and the State Key Laboratory of Fluid Power & Mechatronic Systems, and succeeded in jointly developing the multi-way valve test stand, multi-size high-flow servo valve, and other first-class projects for China. The establishment of this R&D Center provides a solid foundation for further enhancing the cooperation between school and enterprise, and advancing China's hydraulic technology development.

浙江大学圣邦液压研发中心业务范围包括：
Scope of business of this center:

比例阀加工工艺及可靠性研究；
Proportional valve processing technology and reliability study;

柱塞泵、马达变量控制方法及控制元件研究及开发。
Find proper ways to control the displacement of piston pumps and motors, developing control components.

负载敏感电液比例多路阀研制；
Developing load-sensitive electro-hydraulic proportional multi-way valve;

大流量电液伺服阀及伺服比例阀研制；
Developing high-flow electro-hydraulic servo valve and servo proportional valve;

关键电液比例 / 伺服阀配套电子电气元件的研制；
Confirming key electro-hydraulic proportion / developing electronic and electrical components for the servo valve;

工欲善其事，必先利其器
Good tools are prerequisite to a successful job

PRODUCTION EQUIPMENT

生产设备

为产品品质提供最有力的保证，公司进行大规模技术改造，引进国际先进的加工设备及检测设备。其中有日本马扎克 FMS 柔性加工线、德国 DMG 车铣中心、中村留车铣中心、韩国斗山加工中心等加工设备及海克斯康三坐标、日本三丰圆柱度仪等检测设备，确保长期稳定地向市场提供高品质的产品。

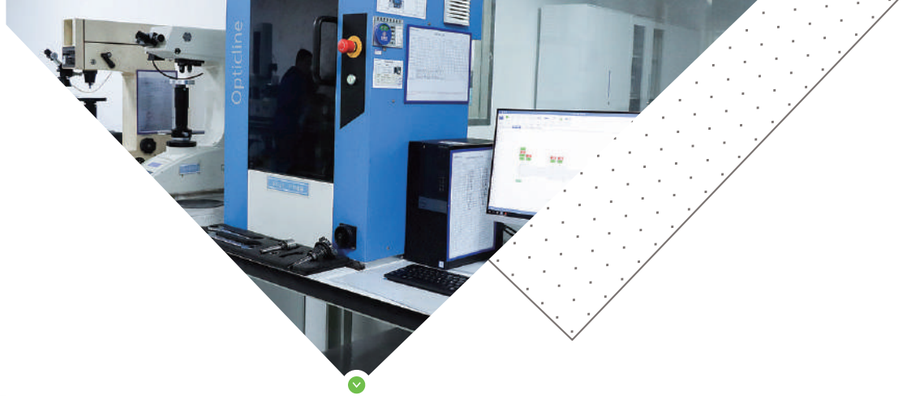
To guarantee the highest product quality, the Company has conducted large-scale technical transformation, and imported world-leading processing and inspection equipment, Japan Mazak FMS flexible processing line, e.g. DMG turn & mill machining center from Germany, Doosan processing center from South Korea; Hexagon coordinate measuring machine, Mitutoyo cylindricity measuring instrument from Japan, etc.. Thanks to those efforts, the Company can guarantee the long-term and steady provision of quality products for the market.

三坐标检测仪
Coordinate Measuring Machine

PROFESSIONAL INSPECTION EQUIPMENT

专业检测设备

光谱分析仪
Spectrum analyzer



光学机
Optical machine

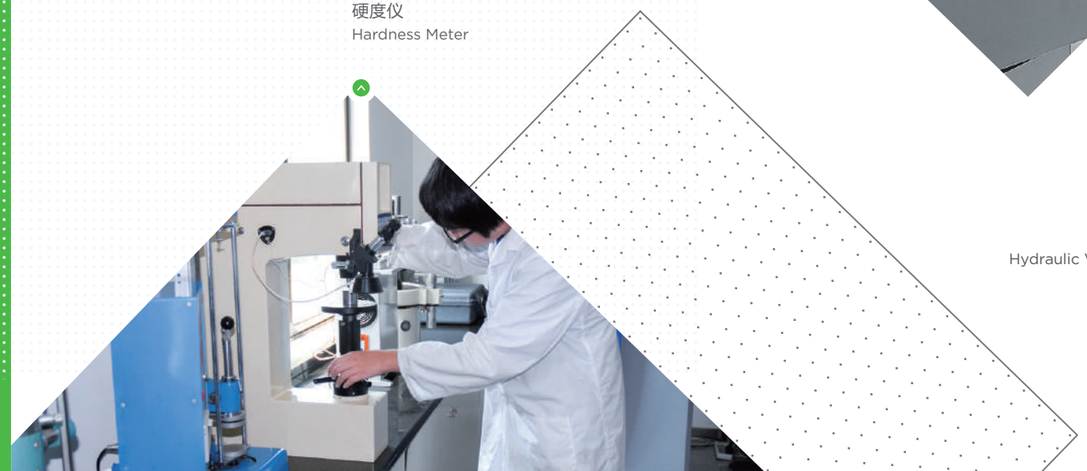
SUNBUN

从瑞士、英国、日本引进的三坐标测量仪、光谱分析、圆度仪等高精度检测检验和金属材料分析仪器设备，为每一件产品的卓越品质提供了可靠的保障。

Each product is assured of excellent quality thanks to the reliable guarantee provided by high-precision testing and inspection equipment and metal analyzers such as the coordinate measuring machine, spectrum analyzer and roundness measuring instrument imported from Switzerland, UK and Japan.

大行程影像测量仪
Large Stroke Measuring

硬度仪
Hardness Meter



圆度仪实验台
Hydraulic Valve Test Stand

SK 系列为最新一代机械直压结构装备，兼具了传统式曲肘结构的特点并结合油缸直压设备的优势，SK 系列的面世，带来了塑机行业创造性的技术革新。

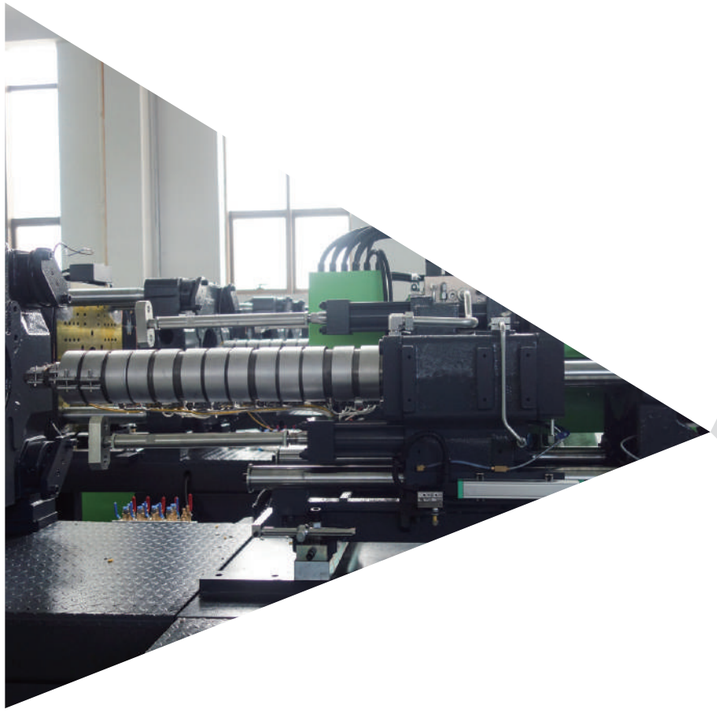
SK series, as the latest generation equipment featuring mechanical vertical-compression structure, follows the traditional crankshaft structure while carries the merits of vertical compression equipment of the oil cylinder. Its debut brings a technical innovation to the industry.

SK SERIES NEW INJECTION MOLDING MACHINE

SK 系列新型注塑机

MERITS OF SK SERIES IN STRUCTURE

SK 系列结构优势



01 注塑系统 INJECTION SYSTEM

加强型双缸双出杆射出机构，减小射出回油背压，提高注射速度和使用寿命。双直线导轨双射移平衡座台机构，提高机筒定位精准度。精密的螺杆设计，大幅提高注射精度，有效降低制品不良率。可选原装进口气动喷嘴、启闭灵活、封胶可靠；机筒壁厚加大设计、大功率加热装置、保证塑化效率。

The enhanced double-cylinder dual-extruding ejection structure will produce a lower back pressure in the oil return during ejection, and have a quicker injection speed and longer service life. The dual linear-guide double-displacement balanced stand can improve the positioning accuracy of the machine barrel. Precise screw design will dramatically improve the injection accuracy and effectively reduce the non-conforming rate. The optional pneumatic nozzle imported with original package has a flexible switch device and reliable seal. The cylinder with thicker wall and a high-power heater can ensure a high plasticizing efficiency.

02 液压系统 HYDRAULIC SYSTEM

采用高速专用储料马达和国际知名品牌液压元件，确保高速、高效、长寿命运行。高响应油路及液压阀板模块化设计，优化油路布局，大通经无阻尼，有效减少压力损失，提高响应能力。注射和开合模比例换向阀可选，使位置精度更精确、响应更快。高效合理的伺服系统配置，注射速度比普通机提升一倍以上。可选配红外纳米加热装置，进一步提高塑化质量。

The machine of this series is equipped with special high-speed storage motor and hydraulic components of world-renowned brands, to ensure a fast, efficient and prolonged operation. By applying high-response oil circuit and hydraulic valve plate with modular design, the machine has an optimized oil circuit layout large in size and free of damp, which can effectively reduce the loss of pressure, and accelerate the response rate of the system. The proportional shuttle valve for injection and mould switching is optional, showing a more accurate positioning and quicker response. By applying an efficient and suitable servo system, the machine boasts an injection speed more than twice that of an ordinary machine.

03 电控系统 ELECTRONIC CONTROL SYSTEM

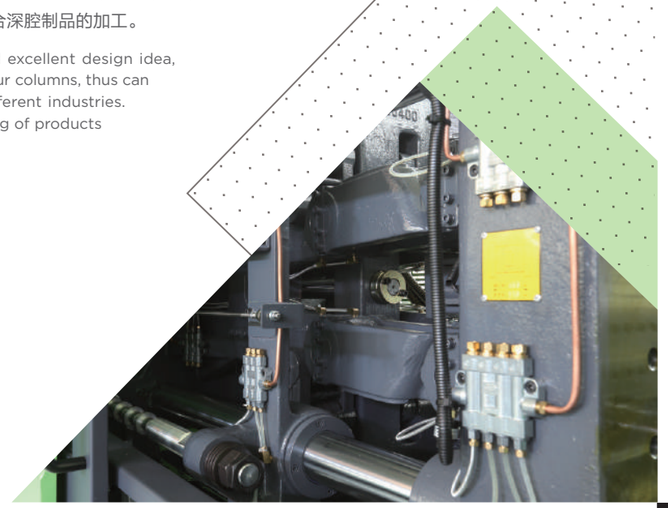
采用国际最新集散型电控系统，全新的硬件设计，智慧式交互界面搭配 EtherCAT ／ CAN 通讯技术，CPU 运算速度更快，是专为全电机及高速机精心开发而成。全数字通讯技术运用使得机器的各项技术指标明显提升。压力、流量控制更加精准。各种动作状态图形显示，更直观了解机器的状况。预留互联网管理系统和能耗显示功能，可实现对每台注塑机远程实时监控及维修诊断，合理安排生产等先进管理方式。

This series is specially developed for fully electric machine and high speed machine, apply the up-to-date distributed electronic control system, brand-new hardware design, smart interactive interface and EtherCAT/CAN communication technology, and a CPU with comparatively fast arithmetic speed. By using the all-digital communication technology, it will show a clear improvement in all technical indexes, and acts more accurately in the pressure and flow rate control. The operator can know the operation status of a machine visually by having a look at the action state shown by various graphs. It also reserves an internet management system and energy consumption display, which enables advanced control modes such as remote and real-time monitoring of each injection molding machine for timely repair and diagnosis, and reasonable production schedule.

04 合模系统 CLAMPING SYSTEM

采用外曲式轴杆结构和优秀的设计理念，结合超宽超大的四柱内距，能满足各类产业不同成型的需求。超长的开模行程，更适合深腔制品的加工。

This series adopts an axle bent outwards and excellent design idea, with quite large space reserved between the four columns, thus can produce different moldings as required by different industries. Super-long opening stroke favors the processing of products with deep cavity better.



SK SERIES MECHANICAL VERTICAL-COMPRESSION STRUCTURE

SK 系列机械直压结构

大 LARGE

容模量大，移模行程长

Resilient mould thickness and long displacement stroke

省 ECONOMICAL

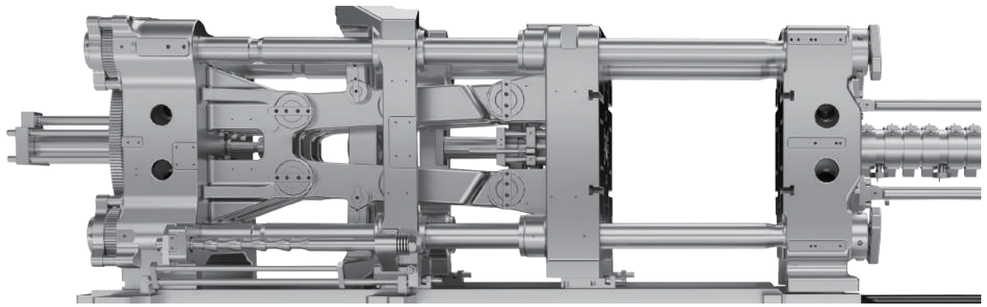
合理的油路设计，提高运行速度更节能；能为客户 90% 的产品省 2%–6% 的原料。

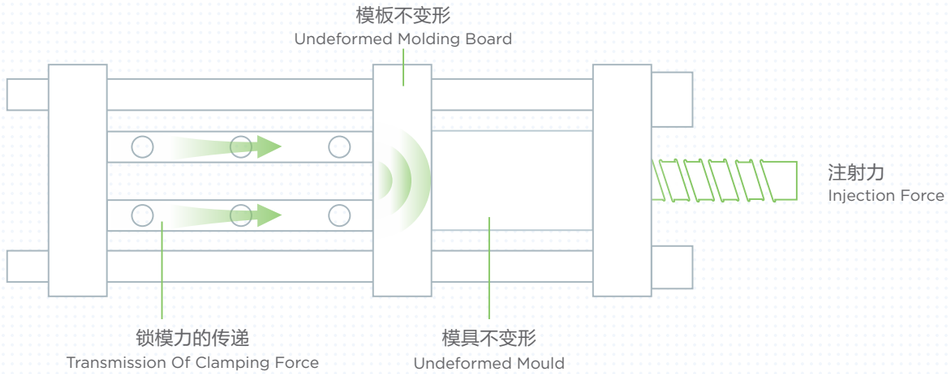
Reasonable oil circuit design, which is more energy-saving, improves the operating speed and can save 2%-6% raw materials from 90% products for the customers.

稳 STABLE

加固模板，加粗拉杆，采用高刚性机架设计，提高机器运行稳定性，延长使用寿命。

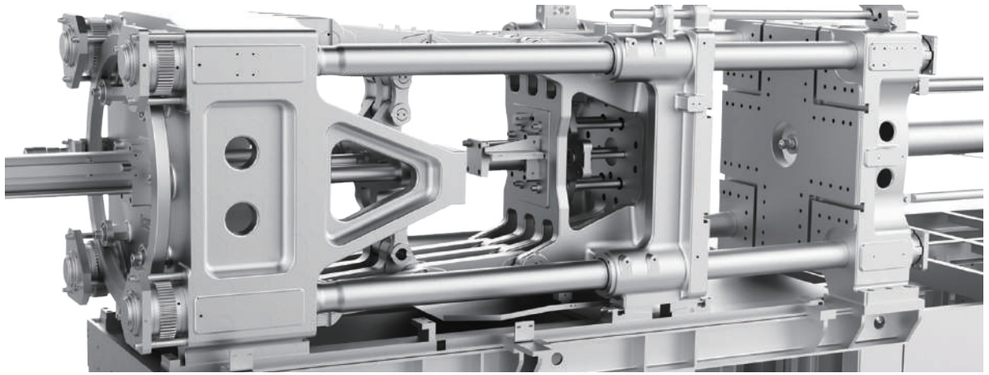
Reinforced molding board, thicker pull rod, high-rigidity frame, with more stable operation state and longer service life.

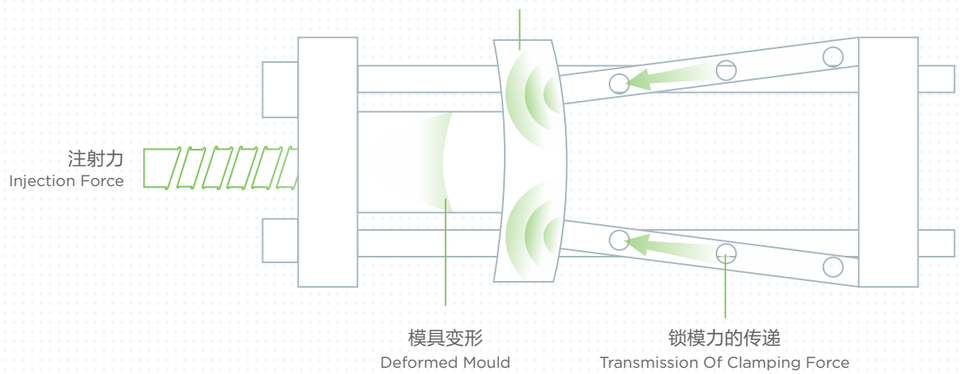




TRADITIONAL STRUCTURE

传统结构





圣邦塑机机械直压

MECHANICAL VERTICAL-COMPRESSION STRUCTURE APPLIED BY SUNBUN INJECTION MOLDING MACHINE

- 锁模利用率达 100%，比传统机构高 10%–20%；
  100% clamping use ratio, 10%-20% higher than that of traditional structures;
- 产出的制品少飞边；
  Less fins on the finished products;
- 制品比传统结构省 2%–6% 的原料；
  2%-6% raw materials saved from production than that of traditional structures;
- 有效保护模具、模板和拉杆；
  Effective protection for the mould, molding board, and pull rod;
- 开模行程比传统结构长 10%–20%；
  A opening stroke 10%-20% longer than that of traditional structures;
- 减少制品冷却后的变形。
  Less deformation caused by cooling of the products.

传统塑机结构

STRUCTURE OF TRADITIONAL INJECTION MOLDING MACHINES

- 传统结构锁模力会损失、利用率只有 80%–90%；
  Lead to loss of clamping force, only 80%-90% left;
- 动模板会变形、造成飞边，浪费人力和原料。
  Displacement of the molding board may cause deformation and fins, and a waste of the labor force and raw materials.

SCOPE OF APPLICATION OF SK SERIES

SK 系列应用领域

SK 系列应用范围广泛。汽车内饰件、外饰件、塑料管件、白色家电、黑色家电、玩具业和家庭日用塑料产品等深腔产品加工，如垃圾桶等等。

The SK series is wide in application areas, such as automotive interior components and exterior components, plastic fittings, white household appliances, black household appliance, toy industry, process of deep-cavity products of household plastic products, such as trash can.

家电领域
Home Appliance Field

汽车零部件
Auto Parts

快餐盒
Fast Food Box

玩具领域
Toy Industry

环卫产品
Sanitation Products

油脂桶
Oil Barrels

美妆领域
Beauty Makeup Field

医疗领域
Medical Field

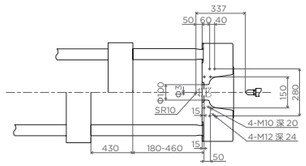
日用品
Daily Necessities

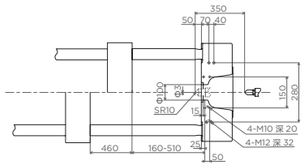
SK 系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

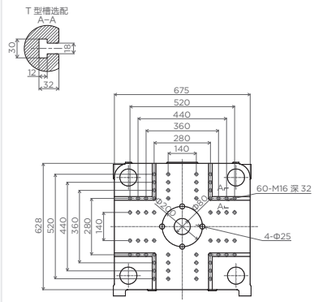
项目 / 机型 Item/type	单位 Unit	SK140/C430			SK160/C650		
注射部分 Injection part							
螺杆型号 Screw type		A	B	C	A	B	C
螺杆直径 Screw diameter	mm	36	40	45	40	45	50
螺杆长径比 Screw diameter ratio	L/D	22	22	20	22	22	20
理论注射容积 Theoretical injection volume	cm^3	188	232	294	276	350	432
注射量 (PS) Injection volume (PS)	g	171	211	267	251	318	393
最大对空注射速率 Maximum rate for injection to air	cm^3/s	106	131	166	126	159	196
注射压力 Injection pressure	MPa	230	187	147	235	185	150
注射行程 Injection stroke	mm		185			220	
最大注射速度 Maximum injection speed	mm/s		100			100	
螺杆最高转速 Maximal Rotational Speed of Screw	r/min		210			210	
锁模部分 Clamping part							
锁模力 Clamp Tonnage	KN		1400			1600	
移模行程 Toggle stroke	mm		435			460	
拉杆内间距 Distance between tie bars	mm×mm		465×418			475×426	
最大模厚 Maximum mould height	mm		460			510	
最小模厚 Minimum mould height	mm		180			160	
顶出行程 Ejection stroke	mm		130			130	
顶出力 Ejector force forward	KN		49			49	
顶针回缩力 Ejector force backard	KN		37			37	
顶针数量 Amount of die thimble	Pcs		1+4			1+4	
其它 Others							
电机功率 Motor power	KW	15			18		
电热功率 Heater power	KW	8.2/8.85			9.95/10.95		
温控区数量 Quantity of temperature-control zones		1+4			1+4		
料斗容积 Bucket capacity	kg	25			25		
油箱容积 Oil tank capacity	L	185			230		
外形尺寸 Boundary dimension(L×W×H)	m	4.6×1.3×1.8			5.1×1.35×1.9		
机器重量 Machine weight	Ton	4.5			5.2		

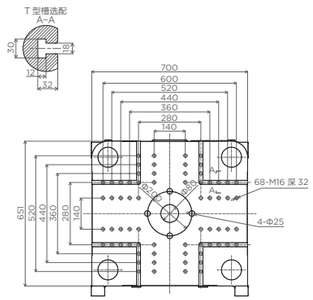
模板侧面尺寸
Side Dimension Of
The Molding Board





SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board



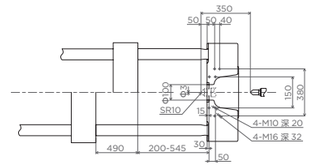


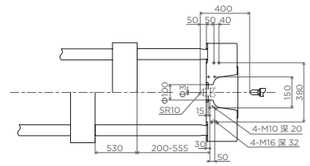
SK 系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

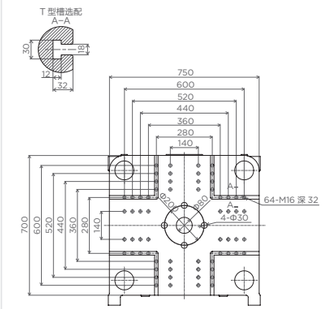
项目 / 机型 Item/type	单位 Unit	SK180/650			SK200/C830		
注射部分 Injection part							
螺杆型号 Screw type		A	B	C	A	B	C
螺杆直径 Screw diameter	mm	40	45	50	45	50	55
螺杆长径比 Screw diameter ratio	L/D	22	22	20	22	22	20
理论注射容积 Theoretical injection volume	cm^3	276	350	432	381	471	570
注射量 (PS) Injection volume (PS)	g	251	318	393	347	428	519
最大对空注射速率 Maximum rate for injection to air	cm^3/s	126	159	196	167	207	250
注射压力 Injection pressure	MPa	235	185	150	218	176	146
注射行程 Injection stroke	mm		220			240	
最大注射速度 Maximum injection speed	mm/s		100			106	
螺杆最高转速 Maximal Rotational Speed of Screw	r/min		210			210	
锁模部分 Clamping part							
锁模力 Clamp Tonnage	KN		1800			2000	
移模行程 Toggle stroke	mm		490			530	
拉杆内间距 Distance between tie bars	mm×mm		520×470			530×455	
最大模厚 Maximum mould height	mm		545			555	
最小模厚 Minimum mould height	mm		200			200	
顶出行程 Ejection stroke	mm		150			150	
顶出力 Ejector force forward	KN		49			49	
顶针回缩力 Ejector force backard	KN		37			37	
顶针数量 Amount of die thimble	Pcs		1+4			1+4	
其它 Others							
电机功率 Motor power	KW	18			22		
电热功率 Heater power	KW	9.95/10.95			12.65/14.25		
温控区数量 Quantity of temperature-control zones		1+4			1+4		
料斗容积 Bucket capacity	kg	25			50		
油箱容积 Oil tank capacity	L	230			290		
外形尺寸 Boundary dimension(L×W×H)	m	5.3×1.4×1.9			5.4×1.45×2.1		
机器重量 Machine weight	Ton	5.8			6.6		

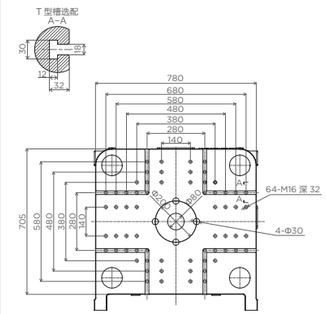
模板侧面尺寸
Side Dimension Of
The Molding Board





SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board



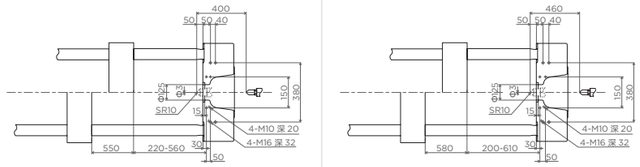


SK 系列技术参数表

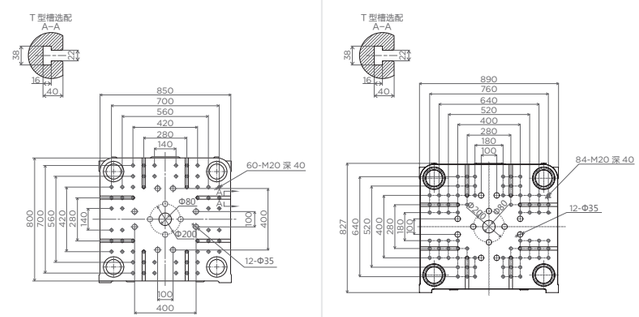
SK SERIES TECHNICAL PARAMETER TABLE

项目 / 机型 Item/type	单位 Unit	SK230/C830			SK260/C1100		
注射部分 Injection part							
螺杆型号 Screw type		A	B	C	A	B	C
螺杆直径 Screw diameter	mm	45	50	55	50	55	60
螺杆长径比 Screw diameter ratio	L/D	22	22	20	22	20	18.3
理论注射容积 Theoretical injection volume	cm^3	381	471	570	510	617	735
注射量 (PS) Injection volume (PS)	g	347	428	519	464	560	668
最大对空注射速率 Maximum rate for injection to air	cm^3/s	167	207	250	219	265	315
注射压力 Injection pressure	MPa	218	176	146	213	176	148
注射行程 Injection stroke	mm		240			260	
最大注射速度 Maximum injection speed	mm/s		106			112	
螺杆最高转速 Maximal Rotational Speed of Screw	r/min		210			229	
锁模部分 Clamping part							
锁模力 Clamp Tonnage	KN		2300			2600	
移模行程 Toggle stroke	mm		550			580	
拉杆内间距 Distance between tie bars	mm×mm		580×530			607×525	
最大模厚 Maximum mould height	mm		560			610	
最小模厚 Minimum mould height	mm		220			200	
顶出行程 Ejection stroke	mm		160			160	
顶出力 Ejector force forward	KN		76			76	
顶针回缩力 Ejector force backard	KN		49			49	
顶针数量 Amount of die thimble	Pcs		1+12			1+12	
其它 Others							
电机功率 Motor power	KW		22			30	
电热功率 Heater power	KW		12.65/14.25			14.25/16.25	
温控区数量 Quantity of temperature-control zones			1+4			1+4	
料斗容积 Bucket capacity	kg		50			50	
油箱容积 Oil tank capacity	L		290			350	
外形尺寸 Boundary dimension(L×W×H)	m		5.5×1.5×2.1			5.9×1.5×2.1	
机器重量 Machine weight	Ton		7.5			8.1	

模板侧面尺寸
Side Dimension Of
The Molding Board



SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board

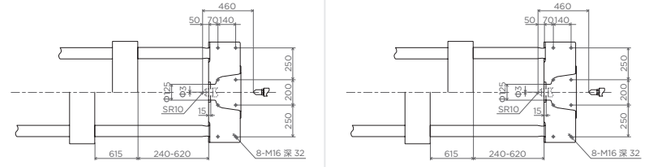


SK 系列技术参数表

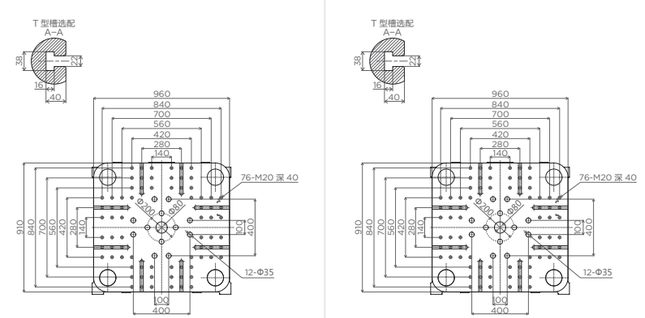
SK SERIES TECHNICAL PARAMETER TABLE

项目 / 机型 Item/type	单位 Unit	SK280/C1300				SK300/C2070			
注射部分 Injection part									
螺杆型号 Screw type		A	B	C	D	A	B	C	D
螺杆直径 Screw diameter	mm	50	55	60	65	60	65	70	75
螺杆长径比 Screw diameter ratio	L/D	23	21	22	20	22.5	21	21.5	20
理论注射容积 Theoretical injection volume	cm^3	538	650	774	909	918	1078	1250	1435
注射量 (PS) Injection volume (PS)	g	490	592	704	827	835	981	1138	1306
最大对空注射速率 Maximum rate for injection to air	cm^3/s	190	230	274	322	258	302	350	403
注射压力 Injection pressure	MPa	244	202	169	144	226	193	166	145
注射行程 Injection stroke	mm		274				325		
最大注射速度 Maximum injection speed	mm/s		98				92		
螺杆最高转速 Maximal Rotational Speed of Screw	r/min		178				182		
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN		2800				3000		
移模行程 Toggle stroke	mm		615				615		
拉杆内间距 Distance between tie bars	mm×mm		660×610				660x610		
最大模厚 Maximum mould height	mm		620				620		
最小模厚 Minimum mould height	mm		240				240		
顶出行程 Ejection stroke	mm		180				180		
顶出力 Ejector force forward	KN		76				76		
顶针回缩力 Ejector force backard	KN		49				49		
顶针数量 Amount of die thimble	Pcs		1+12				1+12		
其它 Others									
电机功率 Motor power	KW		30				37		
电热功率 Heater power	KW		17.25/18.55				23.25/26.85		
温控区数量 Quantity of temperature-control zones			1+4				1+5		
料斗容积 Bucket capacity	kg		50				50		
油箱容积 Oil tank capacity	L		350				350		
外形尺寸 Boundary dimension(L×W×H)	m		6.2×1.7×2.1				6.6x1.6x2.1		
机器重量 Machine weight	Ton		9.6				10.2		

模板侧面尺寸
Side Dimension Of
The Molding Board



SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board

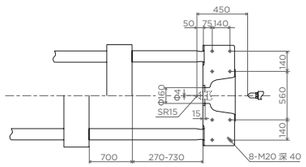


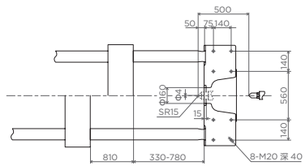
SK 系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

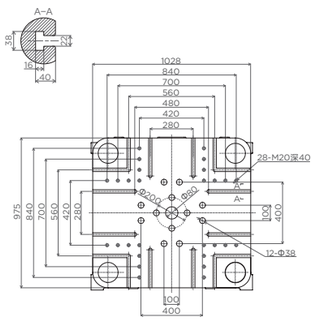
项目 / 机型 Item/type	单位 Unit	SK350 / C2070				SK470/C2600			
注射部分 Injection part									
螺杆型号 Screw type		A	B	C	D	A	B	C	D
螺杆直径 Screw diameter	mm	60	65	70	75	65	70	75	80
螺杆长径比 Screw diameter ratio	L/D	22.5	21	21.5	20	22.5	21	21.3	20
理论注射容积 Theoretical injection volume	cm^3	918	1078	1250	1435	1211	1404	1612	1834
注射量 (PS) Injection volume (PS)	g	835	981	1138	1306	1102	1278	1467	1669
最大对空注射速率 Maximum rate for injection to air	cm^3/s	258	302	350	403	338	392	450	512
注射压力 Injection pressure	MPa	226	193	166	145	215	186	162	142
注射行程 Injection stroke	mm	325				365			
最大注射速度 Maximum injection speed	mm/s	92				102			
螺杆最高转速 Maximal Rotational Speed of Screw	r/min	182				192			
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN	3500				4700			
移模行程 Toggle stroke	mm	700				810			
拉杆内间距 Distance between tie bars	mm×mm	713×660				765×712			
最大模厚 Maximum mould height	mm	730				780			
最小模厚 Minimum mould height	mm	270				330			
顶出行程 Ejection stroke	mm	190				210			
顶出力 Ejector force forward	KN	123				123			
顶针回缩力 Ejector force backard	KN	89				89			
顶针数量 Amount of die thimble	Pcs	1+12				1+12			
其它 Others									
电机功率 Motor power	KW	37				45			
电热功率 Heater power	KW	24.95/28.55				27.05/30.65			
温控区数量 Quantity of temperature-control zones		1+5				1+5			
料斗容积 Bucket capacity	kg	50				50			
油箱容积 Oil tank capacity	L	520				580			
外形尺寸 Boundary dimension(L×W×H)	m	7.2×1.8×2.2				7.8×1.8×2.3			
机器重量 Machine weight	Ton	13				16.2			

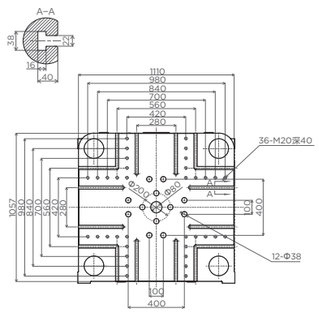
模板侧面尺寸
Side Dimension Of
The Molding Board





SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board



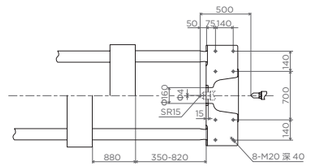


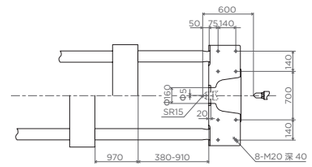
SK 系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

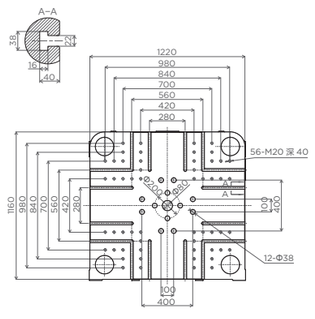
项目 / 机型 Item/type	单位 Unit	SK530/C3380				SK600/C4700			
注射部分 Injection part									
螺杆型号 Screw type		A	B	C	D	A	B	C	D
螺杆直径 Screw diameter	mm	70	75	80	85	80	85	90	100
螺杆长径比 Screw diameter ratio	L/D	23	21.5	22.5	21.3	23	22	21	18.5
理论注射容积 Theoretical injection volume	cm^3	1596	1832	2085	2353	2285	2580	2894	3571
注射量 (PS) Injection volume (PS)	g	1452	1667	1897	2142	2080	2348	2632	3250
最大对空注射速率 Maximum rate for injection to air	cm^3/s	393	451	513	580	509	574	644	795
注射压力 Injection pressure	MPa	212	185	162	144	206	183	163	132
注射行程 Injection stroke	mm	415				455			
最大注射速度 Maximum injection speed	mm/s	102				101			
螺杆最高转速 Maximal Rotational Speed of Screw	r/min	159				150			
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN	5300				6000			
移模行程 Toggle stroke	mm	880				970			
拉杆内间距 Distance between tie bars	mm×mm	860×800				910×860			
最大模厚 Maximum mould height	mm	820				910			
最小模厚 Minimum mould height	mm	350				380			
顶出行程 Ejection stroke	mm	210				260			
顶出力 Ejector force forward	KN	123				181			
顶针回缩力 Ejector force backard	KN	89				126			
顶针数量 Amount of die thimble	Pcs	1+12				1+20			
其它 Others									
电机功率 Motor power	KW	22+30				30+37			
电热功率 Heater power	KW	36.25/41.65				48			
温控区数量 Quantity of temperature-control zones		1+5				1+5			
料斗容积 Bucket capacity	kg	100				100			
油箱容积 Oil tank capacity	L	750				850			
外形尺寸 Boundary dimension(L×W×H)	m	8.5×2.0×2.5				9.3×2.2×2.5			
机器重量 Machine weight	Ton	21				24			

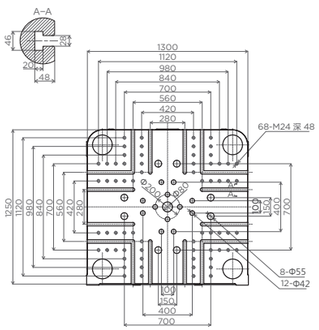
模板侧面尺寸
Side Dimension Of
The Molding Board





SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board



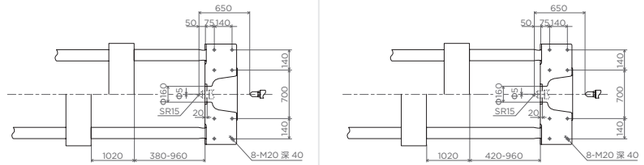


SK 系列技术参数表

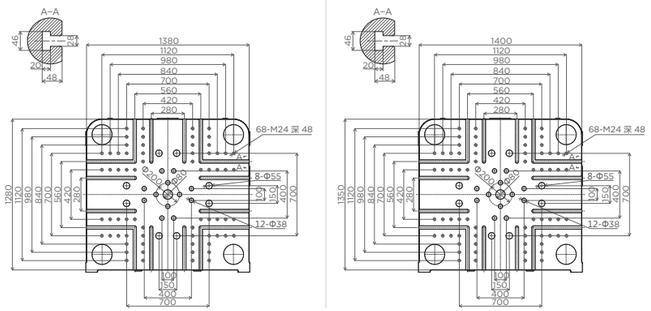
SK SERIES TECHNICAL PARAMETER TABLE

项目 / 机型 Item/type	单位 Unit	SK700/C6200				SK780/C6200			
注射部分 Injection part									
螺杆型号 Screw type		A	B	C	D	A	B	C	D
螺杆直径 Screw diameter	mm	85	90	100	110	85	90	100	110
螺杆长径比 Screw diameter ratio	L/D	23.5	22.2	20	18	23.5	22.2	20	18
理论注射容积 Theoretical injection volume	cm^3	2864	3211	3964	4796	2864	3211	3964	4796
注射量 (PS) Injection volume (PS)	g	2606	2922	3607	4365	2606	2922	3607	4365
最大对空注射速率 Maximum rate for injection to air	cm^3/s	537	602	743	899	537	602	743	899
注射压力 Injection pressure	MPa	217	194	157	130	217	194	157	130
注射行程 Injection stroke	mm	505				505			
最大注射速度 Maximum injection speed	mm/s	95				95			
螺杆最高转速 Maximal Rotational Speed of Screw	r/min	160				160			
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN	7000				7800			
移模行程 Toggle stroke	mm	1020				1020			
拉杆内间距 Distance between tie bars	mm×mm	960×860				960×910			
最大模厚 Maximum mould height	mm	960				1020			
最小模厚 Minimum mould height	mm	380				420			
顶出行程 Ejection stroke	mm	260				260			
顶出力 Ejector force forward	KN	181				181			
顶针回缩力 Ejector force backard	KN	126				126			
顶针数量 Amount of die thimble	Pcs	1+20				1+20			
其它 Others									
电机功率 Motor power	KW	37+37				37+37			
电热功率 Heater power	KW	36.1				36.1			
温控区数量 Quantity of temperature-control zones		1+5				1+5			
料斗容积 Bucket capacity	kg	100				100			
油箱容积 Oil tank capacity	L	850				850			
外形尺寸 Boundary dimension(L×W×H)	m	9.8x2.35x2.5				10.2x2.35x2.5			
机器重量 Machine weight	Ton	30				32			

模板侧面尺寸
Side Dimension Of
The Molding Board



SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board

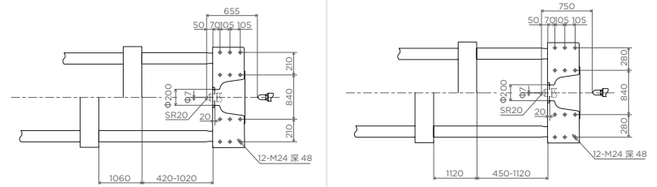


SK 系列技术参数表

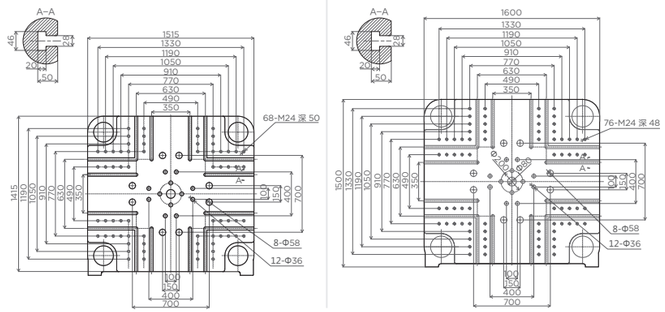
SK SERIES TECHNICAL PARAMETER TABLE

项目 / 机型 Item/type	单位 Unit	SK850/C8600				SK1000/C8600			
注射部分 Injection part									
螺杆型号 Screw type		A	B	C	D	A	B	C	D
螺杆直径 Screw diameter	mm	90	100	110	120	90	100	110	120
螺杆长径比 Screw diameter ratio	L/D	22.2	23.1	21	19.3	22.2	23.1	21	19.3
理论注射容积 Theoretical injection volume	cm^3	3465	4278	5176	6161	3465	4278	5176	6161
注射量 (PS) Injection volume (PS)	g	3153	3893	4710	5606	3153	3893	4710	5606
最大对空注射速率 Maximum rate for injection to air	cm^3/s	585	723	874	1040	585	723	874	1040
注射压力 Injection pressure	MPa	249	202	167	140	249	202	167	140
注射行程 Injection stroke	mm	545				545			
最大注射速度 Maximum injection speed	mm/s	92				92			
螺杆最高转速 Maximal Rotational Speed of Screw	r/min	159				159			
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN	8500				10000			
移模行程 Toggle stroke	mm	1060				1120			
拉杆内间距 Distance between tie bars	mm×mm	1060×960				1110×1010			
最大模厚 Maximum mould height	mm	1020				1120			
最小模厚 Minimum mould height	mm	420				450			
顶出行程 Ejection stroke	mm	280				300			
顶出力 Ejector force forward	KN	181				246			
顶针回缩力 Ejector force backard	KN	126				178			
顶针数量 Amount of die thimble	Pcs	1+20				1+20			
其它 Others									
电机功率 Motor power	KW	45+45				45+45			
电热功率 Heater power	KW	50.1				50.1			
温控区数量 Quantity of temperature-control zones		1+5				1+5			
料斗容积 Bucket capacity	kg	100				100			
油箱容积 Oil tank capacity	L	1000				1200			
外形尺寸 Boundary dimension(L×W×H)	m	10.9×2.4×3				11.2×2.6×3			
机器重量 Machine weight	Ton	37				42			

模板侧面尺寸
Side Dimension Of
The Molding Board



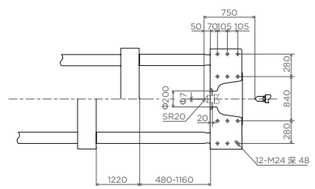
SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board

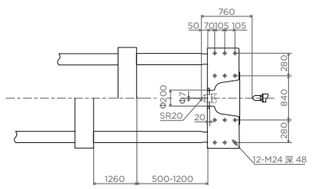


SK 系列技术参数表
SK SERIES TECHNICAL PARAMETER TABLE

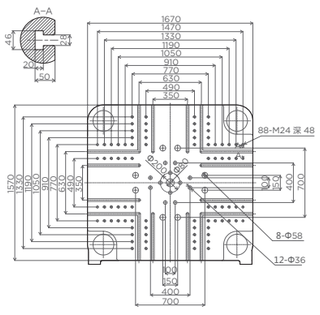
项目 / 机型 Item/type	单位 Unit	SK1100/C10500				SK1200/C10500			
注射部分 Injection part									
螺杆型号 Screw type		A	B	C	D	A	B	C	D
螺杆直径 Screw diameter	mm	100	110	120	130	100	110	120	130
螺杆长径比 Screw diameter ratio	L/D	22.2	23	21	19.4	22.2	23	21	19.4
理论注射容积 Theoretical injection volume	cm^3	4670	5650	6725	7894	4670	5650	6725	7894
注射量 (PS) Injection volume (PS)	g	4250	5143	6120	7183	4250	5143	6120	7183
最大对空注射速率 Maximum rate for injection to air	cm^3/s	701	848	1009	1184	701	848	1009	1184
注射压力 Injection pressure	MPa	224	185	156	133	224	185	156	133
注射行程 Injection stroke	mm	595				595			
最大注射速度 Maximum injection speed	mm/s	95				95			
螺杆最高转速 Maximal Rotational Speed of Screw	r/min	114				114			
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN	11000				12000			
移模行程 Toggle stroke	mm	1220				1260			
拉杆内间距 Distance between tie bars	mm×mm	1160×1060				1210×1055			
最大模厚 Maximum mould height	mm	1160				1200			
最小模厚 Minimum mould height	mm	480				500			
顶出行程 Ejection stroke	mm	300				320			
顶出力 Ejector force forward	KN	246				204			
顶针回缩力 Ejector force backard	KN	178				152			
顶针数量 Amount of die thimble	Pcs	1+20				1+28			
其它 Others									
电机功率 Motor power	KW	45+55				45+55			
电热功率 Heater power	KW	56.5				56.5			
温控区数量 Quantity of temperature-control zones		1+5				1+6			
料斗容积 Bucket capacity	kg	100				200			
油箱容积 Oil tank capacity	L	1200				1400			
外形尺寸 Boundary dimension(L×W×H)	m	12.5×2.7×3				12×3×3.5			
机器重量 Machine weight	Ton	47				55			

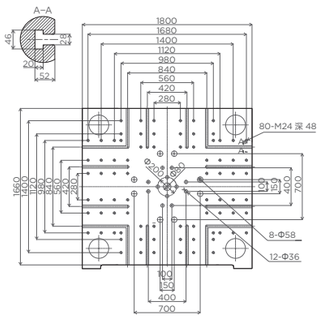
模板侧面尺寸
Side Dimension Of
The Molding Board





SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board

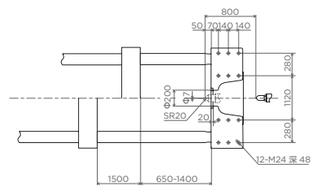


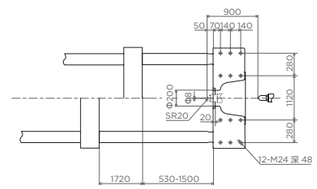


SK 系列技术参数表
SK SERIES TECHNICAL PARAMETER TABLE

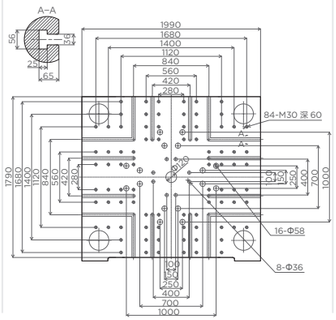
项目 / 机型 Item/type	单位 Unit	SK1500/C14000				SK1800/C18000			
注射部分 Injection part									
螺杆型号 Screw type		A	B	C	D	A	B	C	D
螺杆直径 Screw diameter	mm	110	120	130	140	130	140	150	160
螺杆长径比 Screw diameter ratio	L/D	24.7	22.6	20.9	19.4	23.7	22	20.5	18.5
理论注射容积 Theoretical injection volume	cm^3	6126	7291	8556	9924	9286	10770	12363	14067
注射量 (PS) Injection volume (PS)	g	5853	6966	8171	9482	8450	9800	11251	12800
最大对空注射速率 Maximum rate for injection to air	cm^3/s	818	1016	1193	1384	1171	1358	1560	1775
注射压力 Injection pressure	MPa	229	193	164	141	193	166	145	127
注射行程 Injection stroke	mm	645				700			
最大注射速度 Maximum injection speed	mm/s	88				77			
螺杆最高转速 Maximal Rotational Speed of Screw	r/min	117				91			
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN	15000				18000			
移模行程 Toggle stroke	mm	1500				1720			
拉杆内间距 Distance between tie bars	mm×mm	1460×1220				1620×1460			
最大模厚 Maximum mould height	mm	1400				1500			
最小模厚 Minimum mould height	mm	650				530			
顶出行程 Ejection stroke	mm	350				400			
顶出力 Ejector force forward	KN	246				332			
顶针回缩力 Ejector force backard	KN	178				226			
顶针数量 Amount of die thimble	Pcs	1+24				1+24			
其它 Others									
电机功率 Motor power	KW	37+45+45				45+45+55			
电热功率 Heater power	KW	74.6				80			
温控区数量 Quantity of temperature-control zones		1+6				1+6			
料斗容积 Bucket capacity	kg	200				200			
油箱容积 Oil tank capacity	L	1650				2200			
外形尺寸 Boundary dimension(L×W×H)	m	14×3.2×4.15				15.5×3.2×3.5			
机器重量 Machine weight	Ton	85				128			

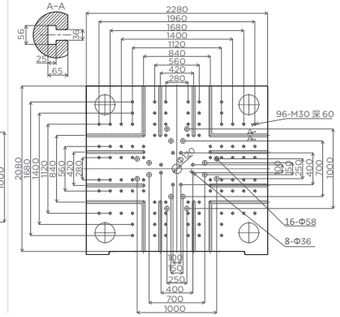
模板侧面尺寸
Side Dimension Of
The Molding Board





SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board



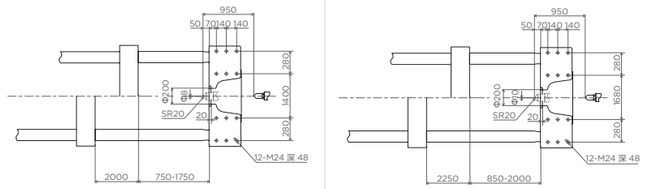


SK 系列技术参数表

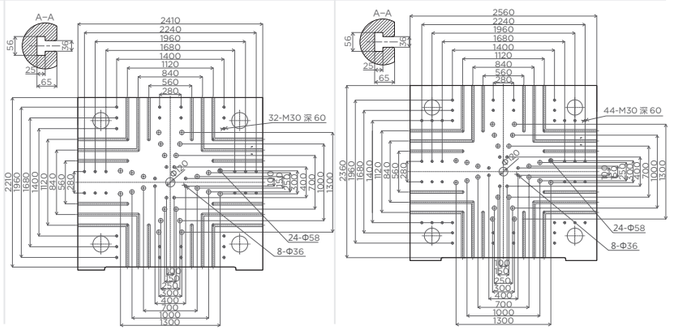
SK SERIES TECHNICAL PARAMETER TABLE

项目 / 机型 Item/type	单位 Unit	SK2200/C28000				SK2500/C41000			
注射部分 Injection part									
螺杆型号 Screw type		A	B	C	D	A	B	C	D
螺杆直径 Screw diameter	mm	150	160	170	180	170	185	200	220
螺杆长径比 Screw diameter ratio	L/D	23	22	21	20	24	22	20	19
理论注射容积 Theoretical injection volume	cm^3	14756	16789	18953	21248	20996	24864	29060	35162
注射量 (PS) Injection volume (PS)	g	13428	15278	17247	19336	19106	22626	26445	31997
最大对空注射速率 Maximum rate for injection to air	cm^3/s	1409	1603	1809	2028	1443	1709	1997	2416
注射压力 Injection pressure	MPa	189	166	147	132	194	164	141	116
注射行程 Injection stroke	mm	835				925			
最大注射速度 Maximum injection speed	mm/s	79.7				63.5			
螺杆最高转速 Maximal Rotational Speed of Screw	r/min	53				48			
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN	22000				25000			
移模行程 Toggle stroke	mm	2000				2250			
拉杆内间距 Distance between tie bars	mm×mm	1720×1520				1820×1620			
最大模厚 Maximum mould height	mm	1750				2000			
最小模厚 Minimum mould height	mm	750				850			
顶出行程 Ejection stroke	mm	450				500			
顶出力 Ejector force forward	KN	425				425			
顶针回缩力 Ejector force backard	KN	334				334			
顶针数量 Amount of die thimble	Pcs	1+28				1+28			
其它 Others									
电机功率 Motor power	KW	37+45+45+45				45+45+45+45			
电热功率 Heater power	KW	122.9				165.3			
温控区数量 Quantity of temperature-control zones		1+6				1+6			
料斗容积 Bucket capacity	kg	400				400			
油箱容积 Oil tank capacity	L	2500				2700			
外形尺寸 Boundary dimension(L×W×H)	m	16.1×3.75×4.5				18.5×4.15×5.1			
机器重量 Machine weight	Ton	139				170			

模板侧面尺寸
Side Dimension Of
The Molding Board



SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board

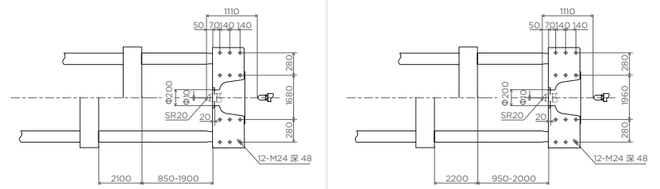


SK 系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

项目 / 机型 Item/type	单位 Unit	SK2800/54000		SK2800/72000		SK3300/C72000		SK3300/C94000	
注射部分 Injection part									
螺杆型号 Screw type		A	B	A	B	A	B	A	B
螺杆直径 Screw diameter	mm	190	210	215	230	215	230	240	260
螺杆长径比 Screw diameter ratio	L/D	23	21	23	20.5	23	20.5	23	21
理论注射容积 Theoretical injection volume	cm^3	36840	45004	49350	56476	49350	56476	64207	75354
注射量 (PS) Injection volume (PS)	g	33893	41404	45402	51958	45402	51958	59070	69325
最大对空注射速率 Maximum rate for injection to air	cm^3/s	1990	2431	2377	2720	2377	2720	2615	3069
注射压力 Injection pressure	MPa	146	120	147	128	147	128	146	125
注射行程 Injection stroke	mm	1300		1360		1360		1420	
最大注射速度 Maximum injection speed	mm/s	70		66		66		58	
螺杆最高转速 Maximal Rotational Speed of Screw	r/min	63		63		63		63	
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN	28000		28000		33000		33000	
移模行程 Toggle stroke	mm	2100		2100		2200		2200	
拉杆内间距 Distance between tie bars	mm×mm	1920×1720		1920×1720		2120×1920		2120×1920	
最大模厚 Maximum mould height	mm	1900		1900		2000		2000	
最小模厚 Minimum mould height	mm	850		850		950		950	
顶出行程 Ejection stroke	mm	500		500		550		550	
顶出力 Ejector force forward	KN	465		465		618		618	
顶针回缩力 Ejector force backard	KN	365		365		483		483	
顶针数量 Amount of die thimble	Pcs	1+32		1+32		1+28		1+28	
其它 Others									
电机功率 Motor power	KW	55+55+55+37		55+55+55+55		55+55+55+55		55+55+55+55+55	
电热功率 Heater power	KW	185		233		233		252	
温控区数量 Quantity of temperature-control zones		1+8		1+8		1+6		1+6	
料斗容积 Bucket capacity	kg	400		400		400		400	
油箱容积 Oil tank capacity	L	2000		2000		3500		3500	
外形尺寸 Boundary dimension(L×W×H)	m	19.6×4.4×4.2		19.6×4.4×4.2		22.5×4.65×6		22.5×4.65×6	
机器重量 Machine weight	Ton	190		205		255		265	

模板侧面尺寸
Side Dimension Of
The Molding Board



SK 系列模板正面尺寸
Front Dimension Of Sk Series
Molding Board