



浙江圣邦智能装备有限公司

ZHEJIANG SUNBUN INTELLIGENT EQUIPMENT CO., LTD.

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ISO9001 ISO14001 OHSAS18001
MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT



中国智造 机械直压

INTELLIGENT MANUFACTURING
MECHANICAL VERTICAL-COMPRESSION

高效节能 · 广泛使用 · 精密稳定
Energy efficient · Widely used · Precision and stability

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!

创新永无止境 品质创造未来

**Strive For Unceasing Innovation and A
Bright Future With High Quality**



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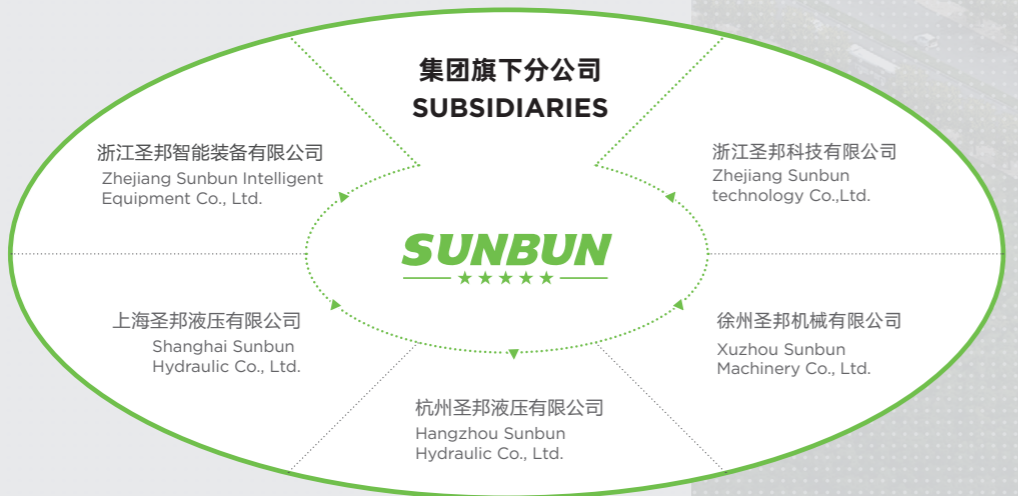
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SUNBUN COMPANY PROFILE

圣邦集团简介

圣邦集团始创于 1993 年，历经 20 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列。

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 2 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.



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：“国内工程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，结束国内工程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."





INTRODUCTION TO ZHEJIANG SUNBUN INTELLIGENT EQUIPMENT CO., LTD.

圣邦智能装备简介

浙江圣邦智能装备有限公司成立



2000 年

浙江圣邦智能装备有限公司（以下简称“圣邦”）是一家成立于2000年的品牌企业，主要从事自动化智能装备、智能集成系统、橡胶机械的研发、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 2000, 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.

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.





浙江大学和圣邦集团有限公司于 2012 年成立
浙江大学 - 圣邦液压研发中心

2012 年

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、多通道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 deepened 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.

R&D CENTER

研发中心

圣邦液压技术研究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.





工欲善其事，必先利其器

Good tools are prerequisite to a successful job

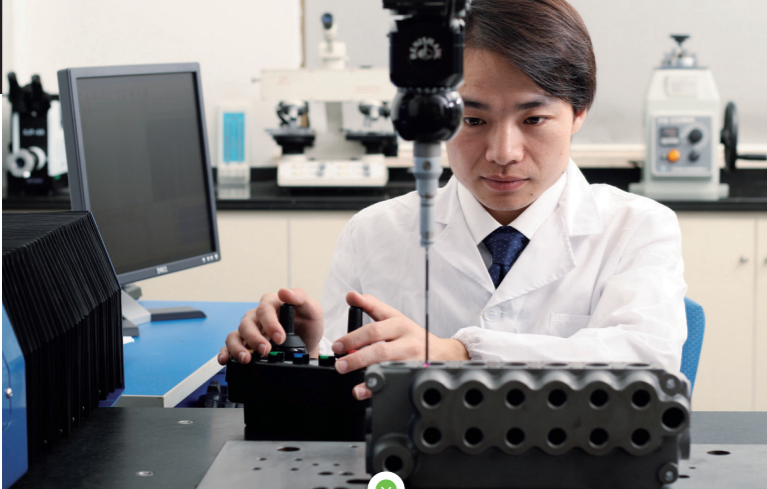
PRODUCTION EQUIPMENT

生产设备

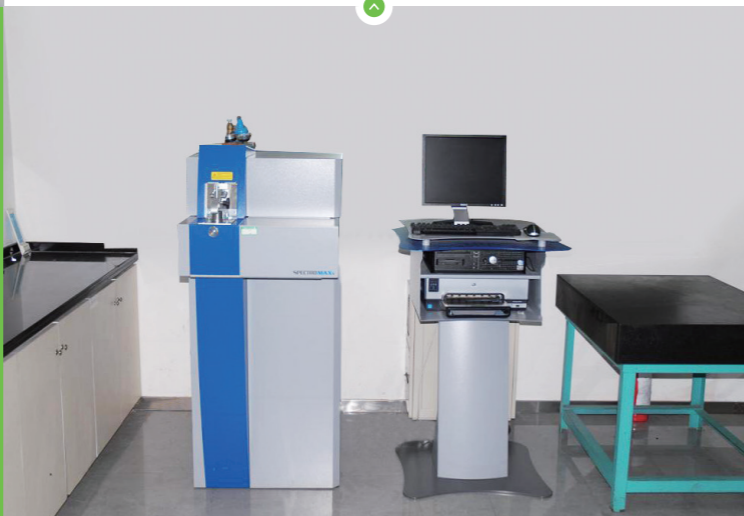
为产品品质提供最有力的保证，公司进行大规模技术改造，引进国际先进的加工设备及检测设备。其中有德国 DMG 车铣中心、日本马扎克加工中心、中村留车铣中心、韩国斗山加工中心等加工设备及海克斯康三坐标、日本三丰圆柱度仪等检测设备，确保长期稳定地向市场提供高品质的产品。

To guarantee the highest product quality, the Company has conducted large-scale technical transformation, and imported world-leading processing and inspection equipment, e.g. DMG turn & mill machining center from Germany, Mazak processing center and Nakamura-tome turn & mill machining center from Japan, 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



光谱分析仪
Spectrum analyzer



大行程影像测量仪
Large Stroke Measuring

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.



三坐标检测仪
Coordinate Measuring Machine

PROFESSIONAL INSPECTION EQUIPMENT

专业检测设备

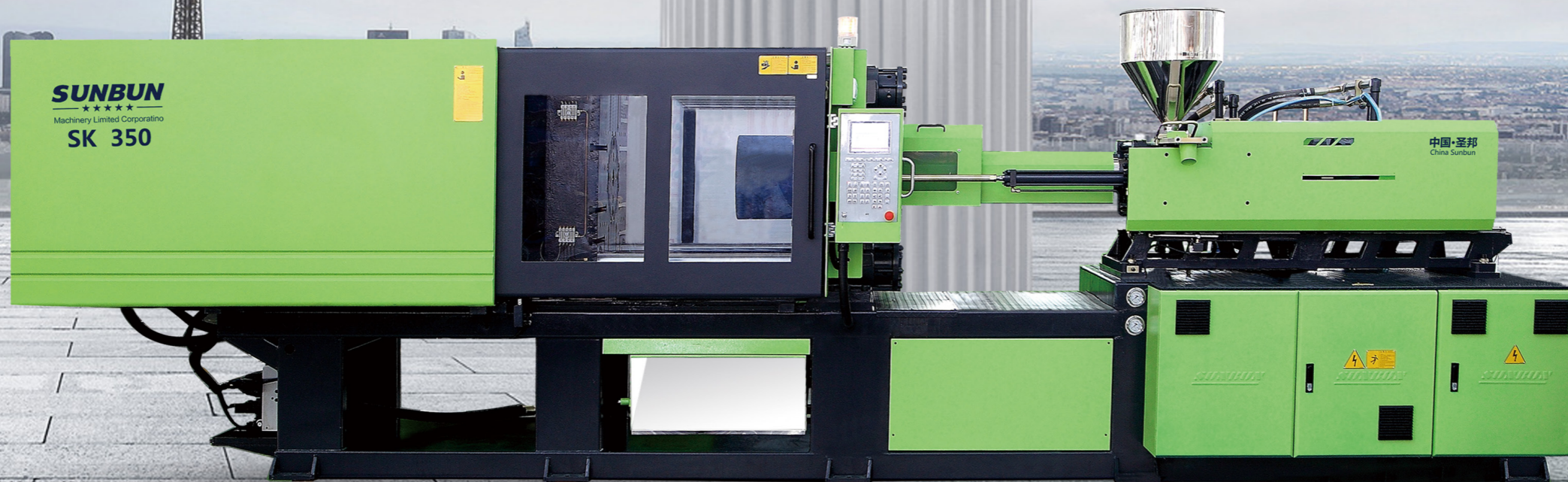


硬度仪
Hardness Meter



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、密封胶可靠；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。高响应油路及液阀阀板模块化设计，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

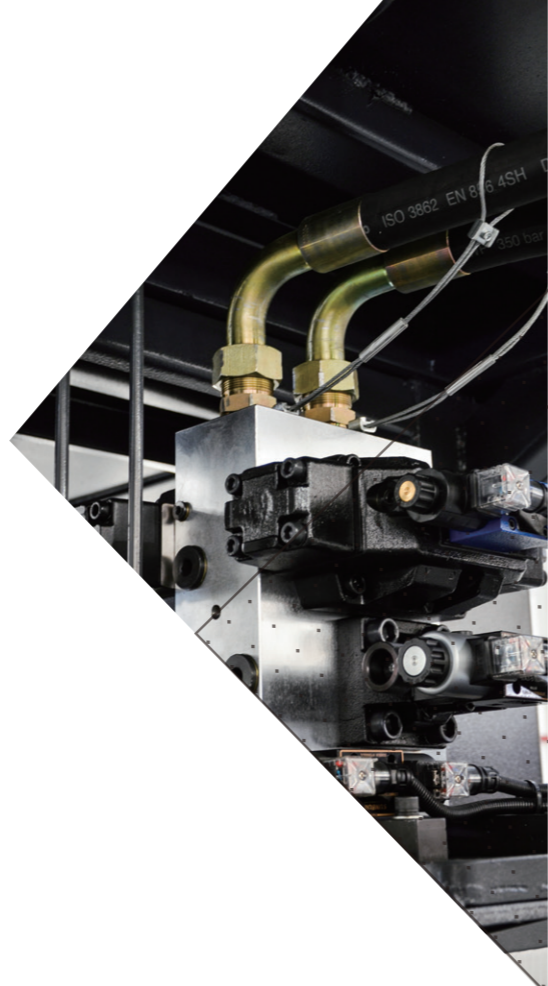
采用国际最新集散型电控系统，全新的硬件设计，智慧式交互界面搭配 EtherCAT / CAN 通讯技术，CPU 运算速度更快，是专为全电机及高速机精心开发而成。全数字通讯技术运用使得机器的各项技术指标明显提升。压力、流量控制更加精准。各种动作状态图形显示，更直观了解机器的状况。预留互联网管理系统和能耗显示功能，可实现对每台注塑机远程实时监控及维修诊断，合理安排生产等先进管理方式。

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

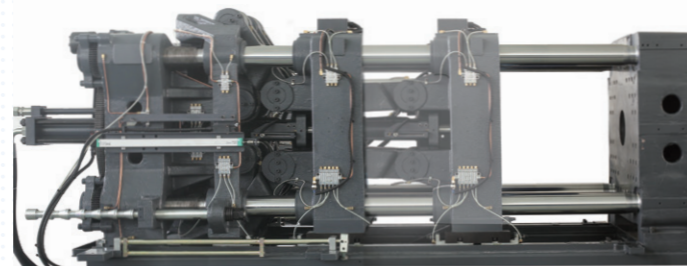
合理的油路设计，提高运行速度更节能；能为客户 90% 的产品省 2%-6% 的原料。

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.

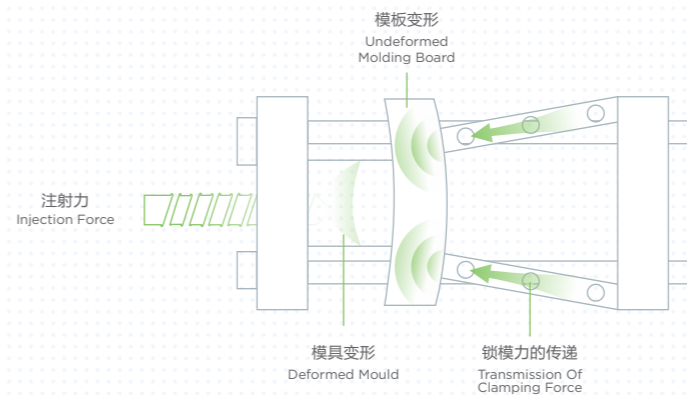
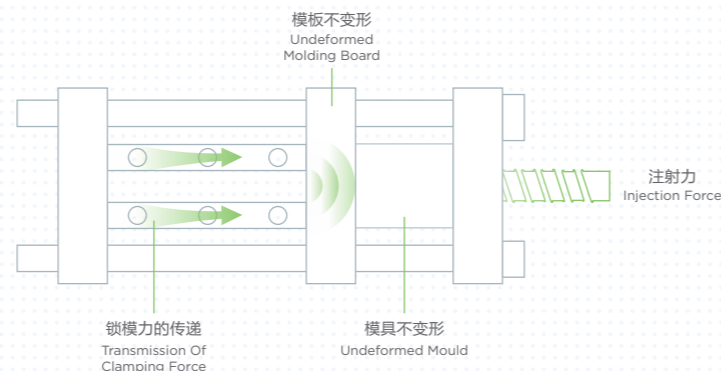
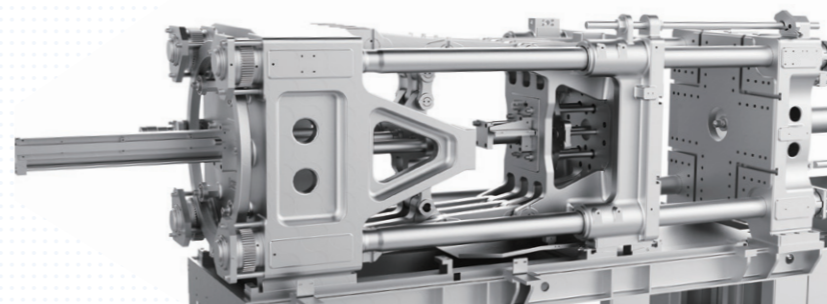
稳 STABLE

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.



VS



TRADITIONAL STRUCTURE

传统结构

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。

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.

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;
- 有效保护模具、模板和拉杆；
Effective protection for the mould, molding board, and pull rod;
- 产出的制品少飞边；
Less fins on the finished products;
- 开模行程比传统结构长 10%-20%；
A opening stroke 10%-20% longer than that of traditional structures;
- 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;
- 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.



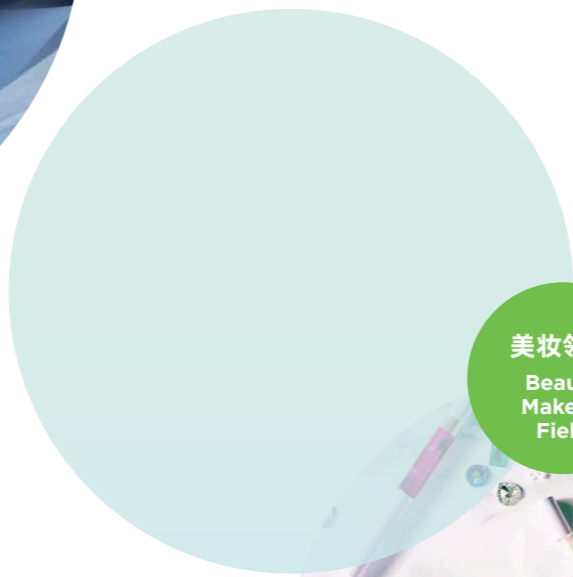
家电领域
Home Appliance Field



汽车零部件
Auto Parts



玩具领域
Toy Industry



美妆领域
Beauty Makeup Field



环卫产品
Sanitation Products



医疗领域
Medical Field



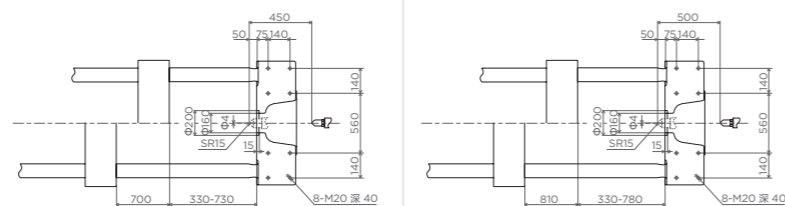
鞋材产品
Shoes Material Products

SK 系列技术参数表

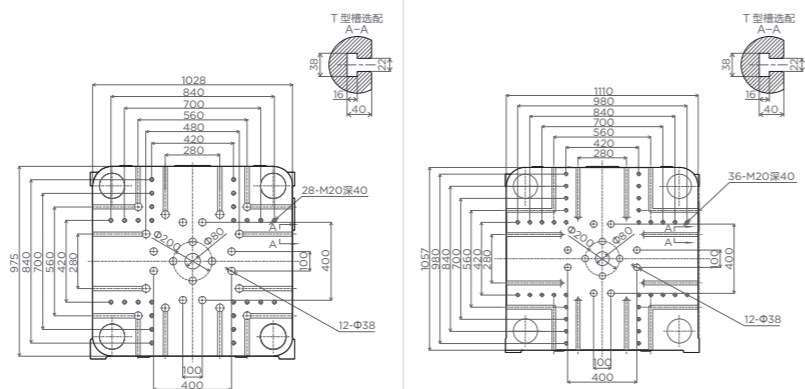
SK SERIES TECHNICAL PARAMETER TABLE

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	330				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									
系统压力 System pressure	Mpa	17.5				17.5			
电机功率 Motor power	KW	37				45			
电热功率 Heater power	KW	24.95/28.55				26.85/30.45			
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	7.1×1.75×2.2				7.6×1.8×2.3			
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

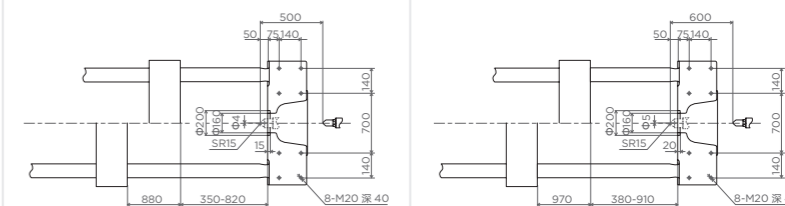


SK 系列技术参数表

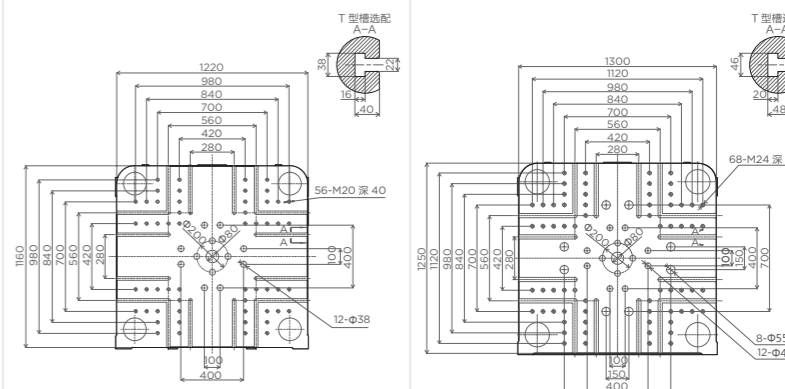
SK SERIES TECHNICAL PARAMETER TABLE

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									
系统压力 System pressure	Mpa	17.5				17.5			
电机功率 Motor power	KW	22+30				30+37			
电热功率 Heater power	KW	31.8/33.5				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	8.1×2.2×2.6				8.9×2.5×3			
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

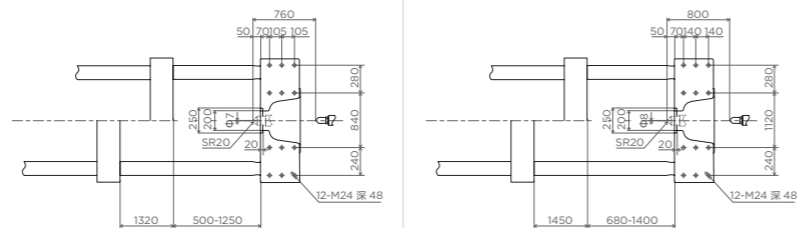


SK 系列技术参数表

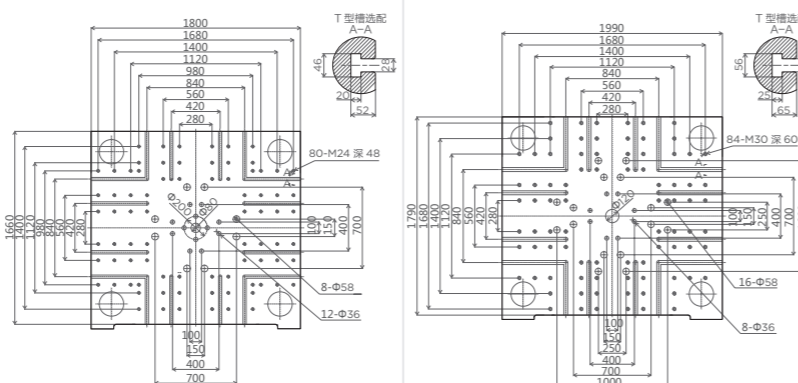
SK SERIES TECHNICAL PARAMETER TABLE

项目 / 机型 Item/type	单位 Unit	SK1200/C10500				SK1400/C13000			
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	110	120	130	140
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	6124	7235	8491	9847
注射量 (PS) Injection volume (PS)	g	4250	5143	6120	7183	5570	6656	7811	9059
最大对空注射速率 Maximum rate for injection to air	cm ³ /s	676	818	974	1140	818	1016	1193	1384
注射压力 Injection pressure	MPa	224	185	156	133	218	181	154	133
注射行程 Injection stroke	mm	595				640			
最大注射速度 Maximum injection speed	mm/s	95				88			
螺杆最高转速 Maximal Rotational Speed of Screw	r/min	129				117			
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN	12000				14000			
移模行程 Toggle stroke	mm	1320				1450			
拉杆内间距 Distance between tie bars	mm×mm	1260×1120				1420×1220			
最大模厚 Maximum mould height	mm	1250				1400			
最小模厚 Minimum mould height	mm	500				680			
顶出行程 Ejection stroke	mm	350				350			
顶出力 Ejector force forward	KN	246				246			
顶针回缩力 Ejector force backard	KN	178				178			
顶针数量 Amount of die thimble	Pcs	1+20				1+24			
其它 Others									
系统压力 System pressure	Mpa	17.5				17.5			
电机功率 Motor power	KW	45+55				37+45+45			
电热功率 Heater power	KW	56.5				74.6			
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				1650			
外形尺寸 Boundary dimension(L×W×H)	m	12×2.7×3				12.5×3.2×4.15			
机器重量 Machine weight	Ton	55				72			

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

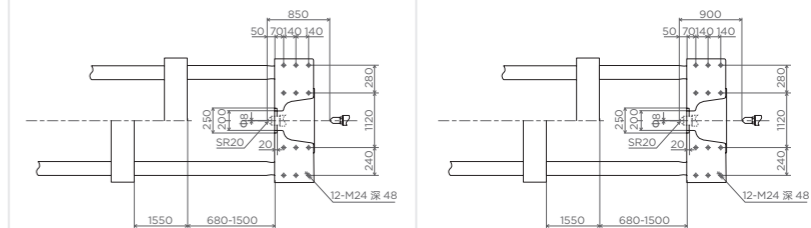


SK 系列技术参数表

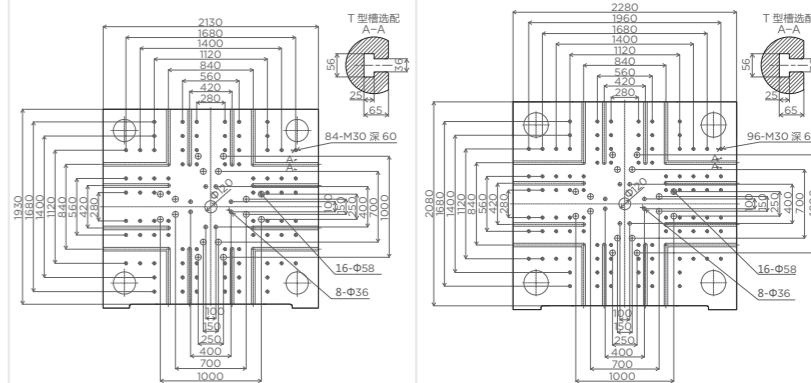
SK SERIES TECHNICAL PARAMETER TABLE

项目 / 机型 Item/type	单位 Unit	SK1600/C16000				SK1850/C22000		SK1850/C35000	
注射部分 Injection part									
螺杆型号 Screw type		A	B	C	D				
螺杆直径 Screw diameter	mm	120	130	140	150	140	160	160	180
螺杆长径比 Screw diameter ratio	L/D	22.2	23	21	19.6	24	21	23.6	21
理论注射容积 Theoretical injection volume	cm ³	7691	9021.7	10462	12011	14155	18488	22508	28486
注射量 (PS) Injection volume (PS)	g	6999	8299	9625	11050	13023	17009	20707	26207
最大对空注射速率 Maximum rate for injection to air	cm ³ /s	1016	1193	1183	1588	1364	1782	1693	2143
注射压力 Injection pressure	MPa	217	180	155	135	157	120	158	125
注射行程 Injection stroke	mm	680				920		1120	
最大注射速度 Maximum injection speed	mm/s	88				89		84	
螺杆最高转速 Maximal Rotational Speed of Screw	r/min	108				80		80	
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN	16000				18000			
移模行程 Toggle stroke	mm	1550				1680			
拉杆内间距 Distance between tie bars	mm×mm	1520×1320				1620×1420			
最大模厚 Maximum mould height	mm	1500				1550			
最小模厚 Minimum mould height	mm	680				750			
顶出行程 Ejection stroke	mm	400				400			
顶出力 Ejector force forward	KN	332				363			
顶针回缩力 Ejector force backard	KN	226				280			
顶针数量 Amount of die thimble	Pcs	1+24				1+32			
其它 Others									
系统压力 System pressure	Mpa	17.5				17.5		17.5	
电机功率 Motor power	KW	45+45+45				50.7+50.7+40.9		50.7+50.7+50.7+20.5	
电热功率 Heater power	KW	80				80		95	
温控区数量 Quantity of temperature-control zones		1+6				1+6		1+7	
料斗容积 Bucket capacity	kg	200				200			
油箱容积 Oil tank capacity	L	1800				1300			
外形尺寸 Boundary dimension(L×W×H)	m	13.5×3.2×4.15				14.6×3.9×3.8			
机器重量 Machine weight	Ton	90				105		110	

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

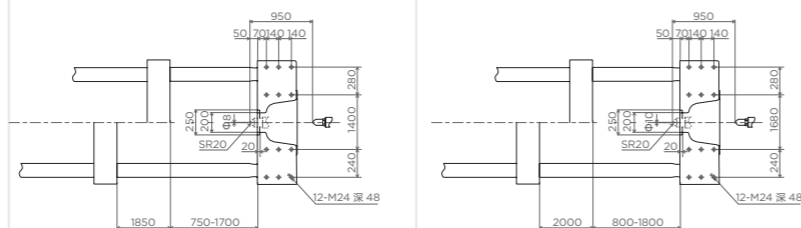


SK 系列技术参数表

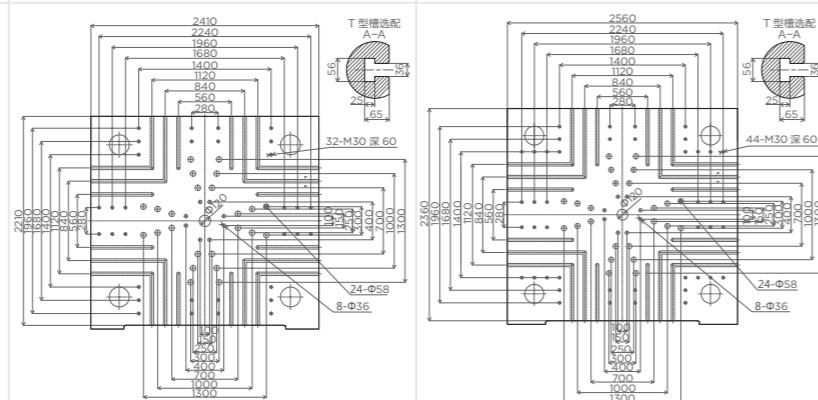
SK SERIES TECHNICAL PARAMETER TABLE

项目 / 机型 Item/type	单位 Unit	SK2200/C3500	SK2200/C5400	SK2500/C5400
注射部分 Injection part				
螺杆型号 Screw type				
螺杆直径 Screw diameter	mm	160	180 190 210	190 210
螺杆长径比 Screw diameter ratio	L/D	23.6	21 23 21	23 21
理论注射容积 Theoretical injection volume	cm ³	22508	28486 36840 45004	36840 45004
注射量 (PS) Injection volume (PS)	g	20707	26207 33893 41404	33893 41404
最大对空注射速率 Maximum rate for injection to air	cm ³ /s	1693	2143 1990 2431	1990 2431
注射压力 Injection pressure	MPa	158	125 146 120	146 120
注射行程 Injection stroke	mm	1120	1300	1300
最大注射速度 Maximum injection speed	mm/s	84	70	70
螺杆最高转速 Maximal Rotational Speed of Screw	r/min	80	63	63
锁模部分 Clamping part				
锁模力 Clamp Tonnage	KN		22000	25000
移模行程 Toggle stroke	mm		1850	2000
拉杆内间距 Distance between tie bars	mm×mm		1720×1520	1820×1620
最大模厚 Maximum mould height	mm		1700	1800
最小模厚 Minimum mould height	mm		750	800
顶出行程 Ejection stroke	mm		450	450
顶出力 Ejector force forward	KN		465	465
顶针回缩力 Ejector force backard	KN		365	365
顶针数量 Amount of die thimble	Pcs		1+32	1+32
其它 Others				
系统压力 System pressure	Mpa	17.5	17.5	17.5
电机功率 Motor power	KW	50.7+50.7+50.7+20.5	50.7+50.7+50.7+40.9	50.7+50.7+50.7+40.9
电热功率 Heater power	KW	95	115	115
温控区数量 Quantity of temperature-control zones		1+7	1+8	1+8
料斗容积 Bucket capacity	kg		400	400
油箱容积 Oil tank capacity	L		1600	1800
外形尺寸 Boundary dimension(L×W×H)	m		16.9×3.96×4.1	18.5×4.2×4.2
机器重量 Machine weight	Ton	130	140	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

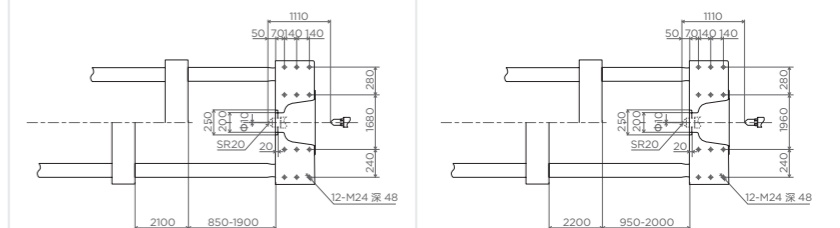


SK 系列技术参数表

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					
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		33000
移模行程 Toggle stroke	mm		2100		2200
拉杆内间距 Distance between tie bars	mm×mm		1920×1720		2110×1910
最大模厚 Maximum mould height	mm		1900		2000
最小模厚 Minimum mould height	mm		850		950
顶出行程 Ejection stroke	mm		500		550
顶出力 Ejector force forward	KN		465		618
顶针回缩力 Ejector force backard	KN		365		483
顶针数量 Amount of die thimble	Pcs		1+32		1+32
其它 Others					
系统压力 System pressure	Mpa	17.5	17.5	17.5	17.5
电机功率 Motor power	KW	50.7+50.7+50.7+40.9	50.7+50.7+50.7+50.7	50.7+50.7+50.7+50.7	50.7+50.7+50.7+20.5
电热功率 Heater power	KW	115	233	233	95
温控区数量 Quantity of temperature-control zones		1+8	1+8	1+8	1+7
料斗容积 Bucket capacity	kg		400		400
油箱容积 Oil tank capacity	L		2000		2500
外形尺寸 Boundary dimension(L×W×H)	m		19.6×4.4×4.2		21.5×4.45×5.6
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

