

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



浙江圣邦智能装备有限公司

ZHEJIANG SUNBUN INTELLIGENT EQUIPMENT CO., LTD.

地址：浙江温州市滨海园区滨海二路588 号

Factory Add: No. 588, 2nd Road, Binhai Zone, Wenzhou, China

Tel : 0577-8661 3777 8680 5677 Fax: 0577-8680 5333

E-mail: sunbunpm@163.com



扫一扫关注圣邦公众号
了解更多资讯

www.sunbun.cc



中国智造 机械直压

INTELLIGENT MANUFACTURING
MECHANICAL VERTICAL-COMPRESSION

STRIVE FOR
UNCEASING
INNOVATION AND A
BRIGHT FUTURE WITH
HIGH QUALITY

创新永无止境
品质创造未来

CONTENTS 目录

SUNBUN COMPANY PROFILE
圣邦集团简介 01

INTRODUCTION TO ZHEJIANG SUNBUN
INTELLIGENT EQUIPMENT CO., LTD.
圣邦智能装备简介 03

R&D CENTER
研发中心 05

PRODUCTION EQUIPMENT
生产设备 07

PROFESSIONAL INSPECTION EQUIPMENT
专业检测设备 09

SK SERIES NEW INJECTION MOLDING MACHINE 140-2800
SK 系列新型注塑机 140-2800 11

MERITS OF SK SERIES IN STRUCTURE
SK 系列结构优势 13

SCOPE OF APPLICATION OF SK SERIES
SK 系列应用领域 16

SK SERIES TECHNICAL PARAMETER TABLE
SK 系列技术参数表 17

LIST OF STANDARD FUNCTIONS OF SK SERIES
SK 系列标准配置功能表 28

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.

SUBSIDIARIES 集团旗下分公司

浙江圣邦科技有限公司
Zhejiang Sunbun technology Co.,Ltd.

徐州圣邦机械有限公司
Xuzhou Sunbun Machinery Co., Ltd.

杭州圣邦液压有限公司
Hangzhou Sunbun Hydraulic Co., Ltd.

上海圣邦液压有限公司
Shanghai Sunbun Hydraulic Co., Ltd.

浙江圣邦智能装备有限公司
Zhejiang Sunbun Intelligent Equipment Co., Ltd.

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（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 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.





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 totalling 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.

ZHEJIANG UNIVERSITY — — SUNBUN HYDRAULIC R&D CENTER

浙江大学——圣邦液压研发中心

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；
关键电液比例/ 伺服阀配套电子电气元件的研制；
大流量电液伺服阀及伺服比例阀研制；
负载敏感电液比例多路阀研制；
柱塞泵、马达变量控制方法及控制元件研究及开发。

Proportional valve processing technology and reliability study;

Confirming key electro-hydraulic proportion / developing electronic and electrical components for the servo valve;

Developing high-flow electro-hydraulic servo valve and servo proportional valve;

Developing load-sensitive electro-hydraulic proportional multi-way valve;

Find proper ways to control the displacement of piston pumps and motors, developing control components.

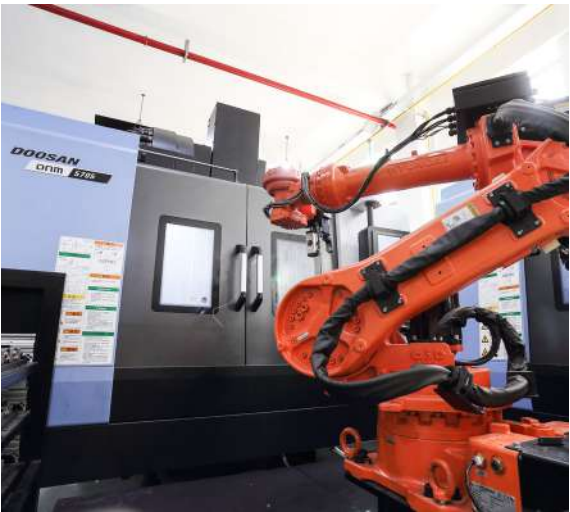


依托集团强大的技术及研发实力保证了圣邦塑机的液压及油路设计始终处于行业顶尖水平。

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.

PRODUCTION EQUIPMENT

生产设备



工欲善其事，必先利其器

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。

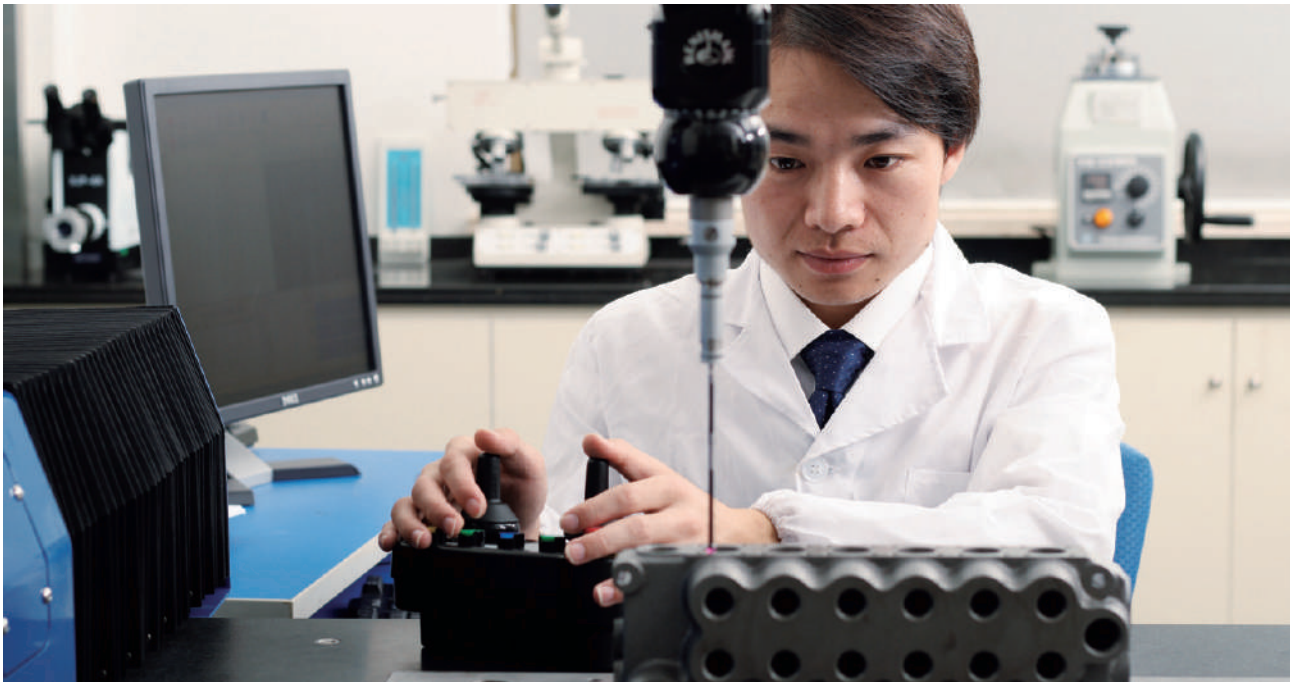
Good tools are prerequisite to a successful job
To guarantee the highest product quality, the Company has conducted large-scale technical transformation, and imported world-leading processing and inspection equipment, e.g. DMG turn & mill machining center from Germany, Mazak processing center and Nakamura-tome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

PROFESSIONAL INSPECTION EQUIPMENT

专业检测设备

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.



- 1
- 2
- 3
- 4

- 1 硬度仪
Hardness meter
- 2 大行程影像测量仪
Large Stroke Measuring
- 3 三坐标检测仪
Coordinate measuring machine
- 4 圆度仪实验台
Hydraulic valve test stand

- 1
- 2

- 1 三坐标检测仪
Coordinate measuring machine
- 2 光谱分析仪
Spectrum analyzer



SK SERIES NEW
INJECTION MOLDING
MACHINE 140-2800

SK 系列新型注塑机 140-2800



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 系列机械直压结构
SK SERIES MECHANICAL VERTICAL-COMPRESSION STRUCTURE



大
LARGE

容模量大，移模行程长
Resilient mould thickness and long displacement stroke



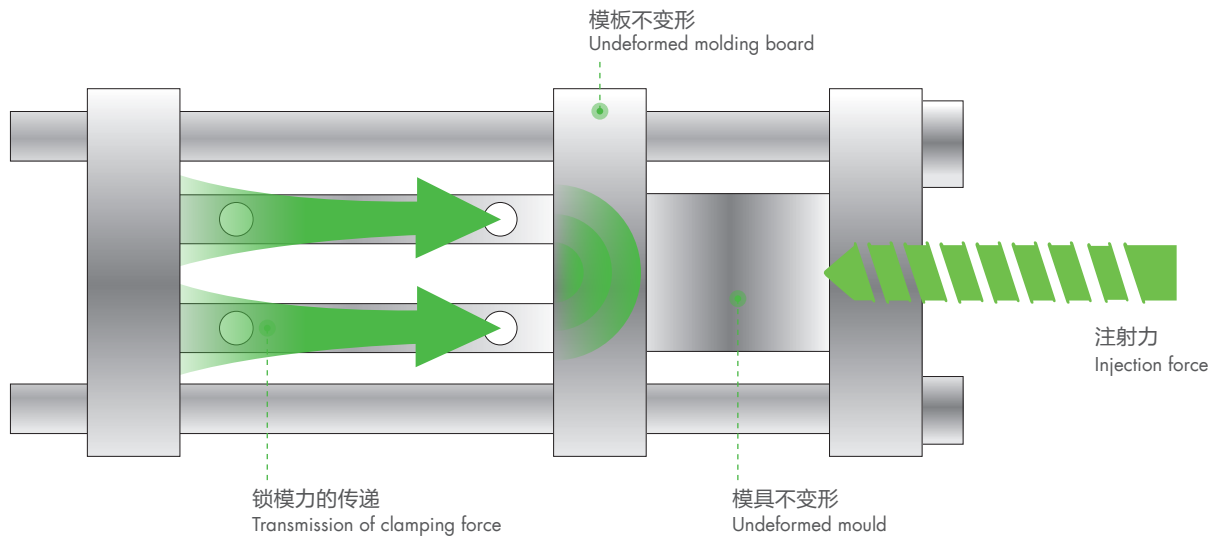
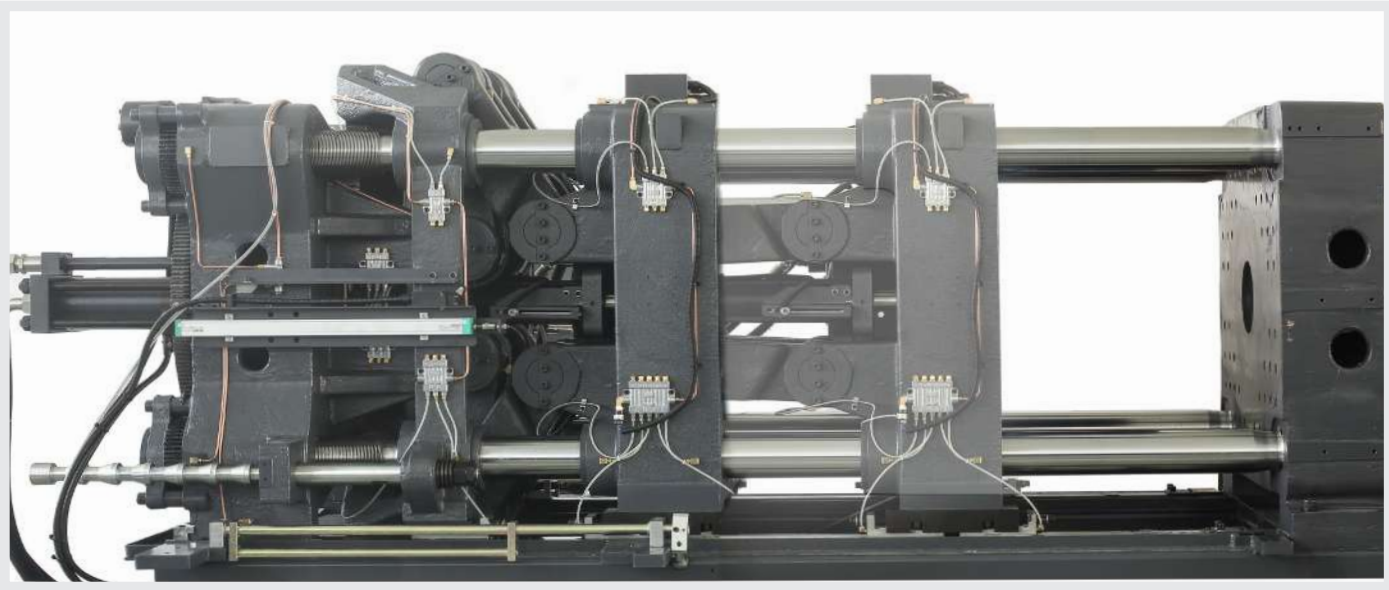
省
ECONOMICAL

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.



圣邦塑机机械直压

- 锁模利用率达100%，比传统机构高10%—20%；
- 产出的制品少飞边；
- 制品比传统结构省2%—6%的原料；
- 有效保护模具、模板和拉杆；
- 开模行程比传统结构长10%—20%；
- 减少制品冷却后的变形。

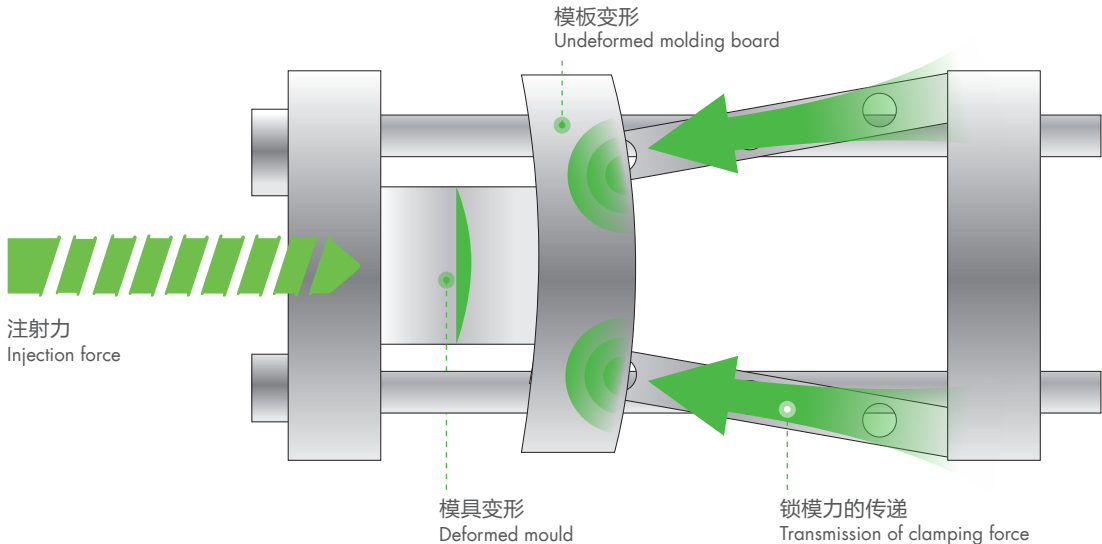
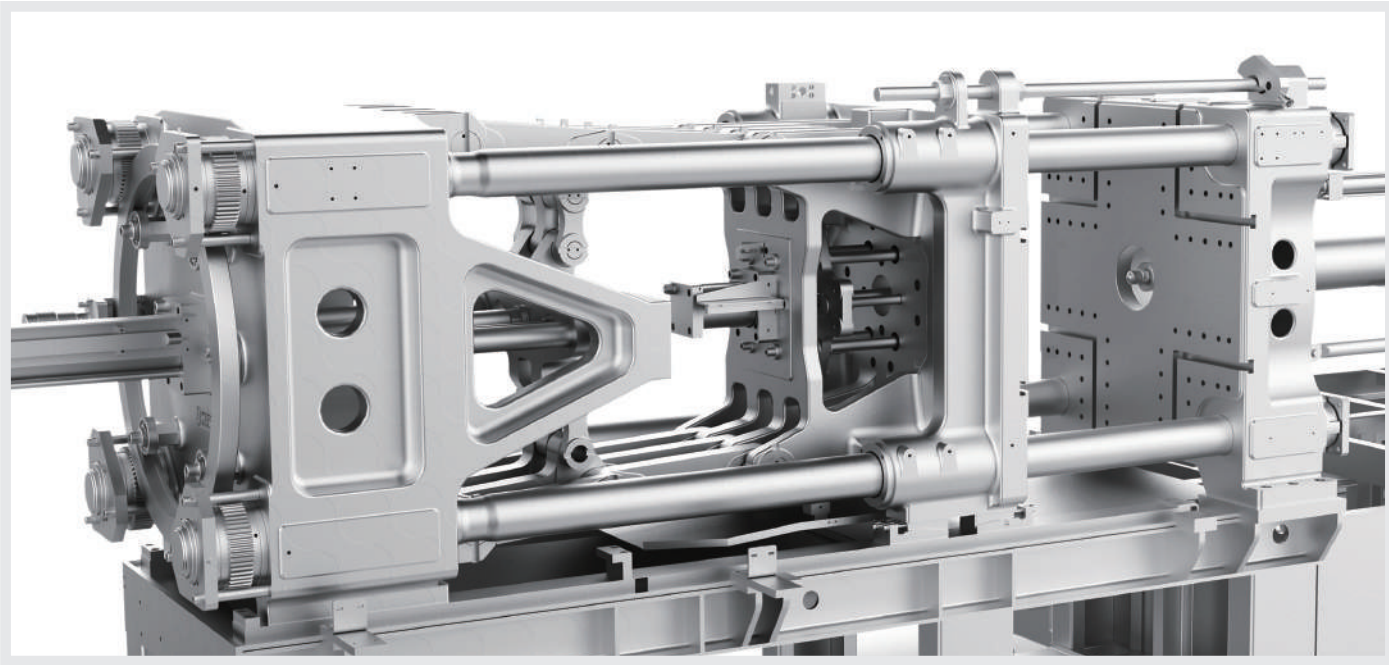
Mechanical Vertical-Compression Structure applied by Sunbun Injection Molding Machine

- 100% clamping use ratio, 10%-20% higher than that of traditional structures;
- Less fins on the finished products;
- 2%-6% raw materials saved from production than that of traditional structures;
- Effective protection for the mould, molding board, and pull rod;
- A opening stroke 10%-20% longer than that of traditional structures;
- Less deformation caused by cooling of the products.

传统结构
TRADITIONAL STRUCTURE

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.



传统塑机结构

- 传统结构锁模力会损失、利用率只有80%—90%；
- 动模板会变形、造成飞边，浪费人力和原料。

Structure of Traditional Injection Molding Machines

- Lead to loss of clamping force, only 80%-90% left;
- Displacement of the molding board may cause deformation and fins, and a waste of the labor force and raw materials.



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、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.

03 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.

02 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.

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.



01 汽车零部件
Auto parts



02 环卫产品
Sanitation products



03 医疗领域
Medical field



04 黑色、白色家电
Black and white household appliance



05 玩具业
Toy industry



06 小家电
Home appliances



07 化妆盒
Powder box



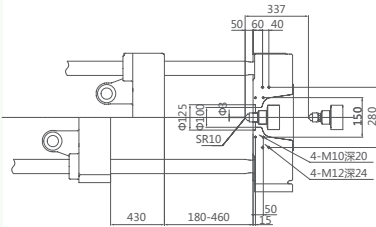
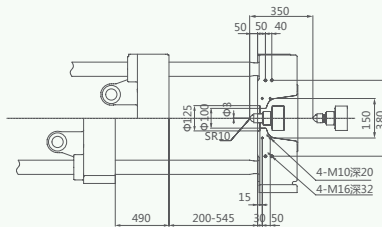
08 口红
Lipstick



09 鞋材产品
Shoes material products

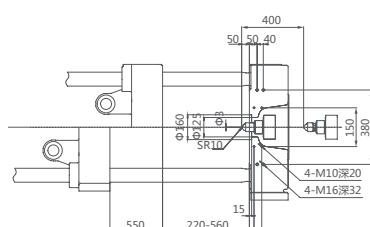
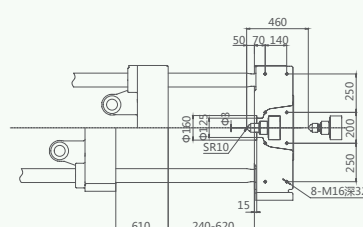
SK系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

项目/机型 Item/type		单位 Unit	SK140 / C400			SK180/C600		
注射部分 Injection part								
螺杆型号 Screw type			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	cm³	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	cm³/s	106		131		166		126 159 196
注射压力 Injection pressure	MPa	210		171		135		215 169 137
注射行程 Injection stroke	mm	185			220			
最大注射速度 Maximum injection speed	mm/s	105			111			
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			1800			
移模行程 Toggle stroke	mm	430			490			
拉杆内间距 Distance between tie bars	mm×mm	465×418			520×470			
最大模厚 Maximum mould height	mm	460			545			
最小模厚 Minimum mould height	mm	180			200			
顶出行程 Ejection stroke	mm	130			150			
顶出力 Ejector force forward	KN	45			45			
顶针回缩力 Ejector force backard	KN	30			30			
顶针数量 Amount of die thimble	Pcs	1+4			1+4			
其它 Others								
系统压力 System pressure	MPa	16			16			
电机功率 Motor power	KW	14			18.5			
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	5×1.4×1.8			5.5×1.5×1.9			
机器重量 Machine weight	Ton	4.3			5.6			
模板侧面尺寸 Side dimension of the molding board								

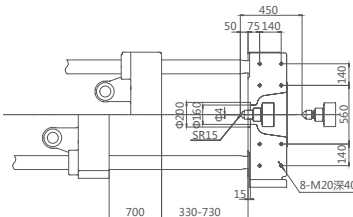
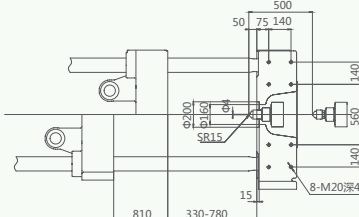
SK系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

项目/机型 Item/type		单位 Unit	SK230 / C760			SK280/C1200			
注射部分 Injection part									
螺杆型号 Screw type			A		B		C		D
螺杆直径 Screw diameter	mm		45		50		55		65
螺杆长径比 Screw diameter ratio	L/D		22		22		20		20
理论注射容积 Theoretical injection volume	cm ³		381		471		570		909
注射量(PS) Injection volume (PS)	g		347		428		519		827
最大对空注射速率 Maximum rate for injection to air	cm ³ /s		167		207		250		322
注射压力 Injection pressure	MPa		199		161		133		132
注射行程 Injection stroke	mm		240			274			
最大注射速度 Maximum injection speed	mm/s		111			97			
螺杆最高转速 Maximal Rotational Speed of Screw	r/min		221			178			
锁模部分 Clamping part									
锁模力 Clamp Tonnage	KN		2300			2800			
移模行程 Toggle stroke	mm		550			615			
拉杆内间距 Distance between tie bars	mm×mm		580×530			660×610			
最大模厚 Maximum mould height	mm		560			620			
最小模厚 Minimum mould height	mm		220			240			
顶出行程 Ejection stroke	mm		160			180			
顶出力 Ejector force forward	KN		70			70			
顶针回缩力 Ejector force backard	KN		45			45			
顶针数量 Amount of die thimble	Pcs		1+12			1+12			
其它 Others									
系统压力 System pressure	MPa		16			16			
电机功率 Motor power	KW		22			30			
电热功率 Heater power	KW		12.65/14.25			17.25/18.55			
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		5.9×1.6×2.1			6.4×1.6×2.1			
机器重量 Machine weight	T		7.2			9.3			
模板侧面尺寸 Side dimension of the molding board									

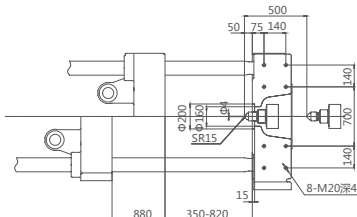
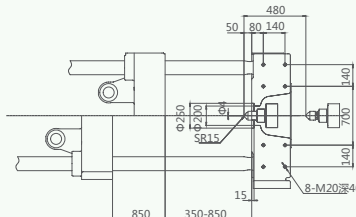
SK系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

项目/机型 Item/type		单位 Unit	SK350 / C1900				SK470/C2400				
注射部分 Injection part											
螺杆型号 Screw type			A		B		C		D		
螺杆直径 Screw diameter		mm	60		65		70		75		
螺杆长径比 Screw diameter ratio		L/D	22.5		21		21.5		20		
理论注射容积 Theoretical injection volume		cm³	918		1078		1250		1435		
注射量(PS) Injection volume (PS)		g	835		981		1138		1306		
最大对空注射速率 Maximum rate for injection to air		cm³/s	258		302		350		403		
注射压力 Injection pressure		MPa	206		176		152		132		
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	113				113				
顶针回缩力 Ejector force backard		KN	82				82				
顶针数量 Amount of die thimble		Pcs	1+12				1+12				
其它 Others											
系统压力 System pressure		MPa	16				16				
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		T	13				16.2				
模板侧面尺寸 Side dimension of the molding board											

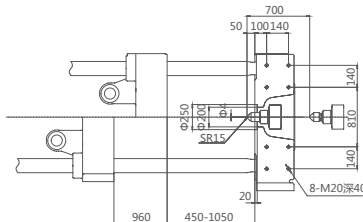
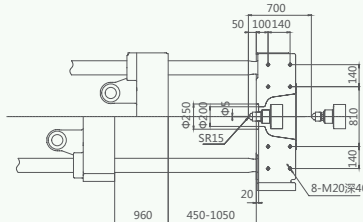
SK系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

项目/机型 Item/type		单位 Unit	SK530/C3100				SK580/C3400			
注射部分 Injection part										
螺杆型号 Screw type			A		B		C		D	
螺杆直径 Screw diameter		mm	70		75		80		90	
螺杆长径比 Screw diameter ratio		L/D	23		21.5		22.5		19	
理论注射容积 Theoretical injection volume		cm³	1596		1832		2085		2640	
注射量(PS) Injection volume (PS)		g	1452		1667		1897		2402	
最大对空注射速率 Maximum rate for injection to air		cm³/s	393		451		513		591	
注射压力 Injection pressure		MPa	194		169		149		133	
注射行程 Injection stroke		mm	415				415			
最大注射速度 Maximum injection speed		mm/s	102				93			
螺杆最高转速 Maximal Rotational Speed of Screw		r/min	159				181			
锁模部分 Clamping part										
锁模力 Clamp Tonnage		KN	5300				5800			
移模行程 Toggle stroke		mm	880				850			
拉杆内间距 Distance between tie bars		mm×mm	860×800				865×805			
最大模厚 Maximum mould height		mm	820				850			
最小模厚 Minimum mould height		mm	350				350			
顶出行程 Ejection stroke		mm	210				210			
顶出力 Ejector force forward		KN	113				113			
顶针回缩力 Ejector force backard		KN	82				82			
顶针数量 Amount of die thimble		Pcs	1+12				1+16			
其它 Others										
系统压力 System pressure		MPa	16				16			
电机功率 Motor power		KW	30+22				30+30			
电热功率 Heater power		KW	31.8/33.5				32			
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				800			
外形尺寸 Boundary dimension(L×W×H)		m	8.1×2.2×2.6				8.8×2.2×2.6			
机器重量 Machine weight		T	21				23			
模板侧面尺寸 Side dimension of the molding board										

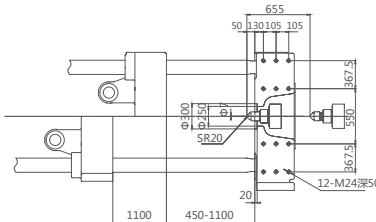
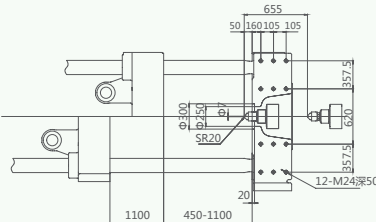
SK系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

项目/机型 Item/type		单位 Unit	SK650/C4800				SK750/C4800						
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	23.3	22	19.8	17	23.3	22	19.8	17			
理论注射容积 Theoretical injection volume		cm³	2565	2875	3550	4295	2565	2875	3550	4295			
注射量(PS) Injection volume (PS)		g	2334	2616	3231	3908	2334	2616	3231	3908			
最大对空注射速率 Maximum rate for injection to air		cm³/s	457	512	632	996	457	512	632	996			
注射压力 Injection pressure		MPa	190	169	137	113	190	169	137	113			
注射行程 Injection stroke		mm	452				452						
最大注射速度 Maximum injection speed		mm/s	81				81						
螺杆最高转速 Maximal Rotational Speed of Screw		r/min	136				136						
锁模部分 Clamping part													
锁模力 Clamp Tonnage		KN	6500				7500						
移模行程 Toggle stroke		mm	960				960						
拉杆内间距 Distance between tie bars		mm×mm	980×870				1060×960						
最大模厚 Maximum mould height		mm	1050				1050						
最小模厚 Minimum mould height		mm	450				450						
顶出行程 Ejection stroke		mm	210				270						
顶出力 Ejector force forward		KN	166				166						
顶针回缩力 Ejector force backard		KN	113				113						
顶针数量 Amount of die thimble		Pcs	1+20				1+20						
其它 Others													
系统压力 System pressure		MPa	16				16						
电机功率 Motor power		KW	37+30				37+30						
电热功率 Heater power		KW	36.1				42						
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				1000						
外形尺寸 Boundary dimension(L×W×H)		m	8.9×2.5×3				9×2.7×3						
机器重量 Machine weight		T	26				32						
模板侧面尺寸 Side dimension of the molding board													

SK系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

项目/机型 Item/type		单位 Unit	SK850/7000				SK1000/C7000				
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	24.4	22	20	17.5	24.4	22	20	17.5	
理论注射容积 Theoretical injection volume		cm³	3194	3943	4771	5677	3194	3943	4771	5677	
注射量(PS) Injection volume (PS)		g	2907	3588	4341	5166	2907	3588	4341	5166	
最大对空注射速率 Maximum rate for injection to air		cm³/s	499	616	745	1080	499	616	745	1080	
注射压力 Injection pressure		MPa	219	178	147	117	219	178	147	117	
注射行程 Injection stroke		mm	502				502				
最大注射速度 Maximum injection speed		mm/s	86				86				
螺杆最高转速 Maximal Rotational Speed of Screw		r/min	129				129				
锁模部分 Clamping part											
锁模力 Clamp Tonnage		KN	8500				10000				
移模行程 Toggle stroke		mm	1100				1100				
拉杆内间距 Distance between tie bars		mm×mm	1120×1030				1160×1055				
最大模厚 Maximum mould height		mm	1100				1100				
最小模厚 Minimum mould height		mm	450				450				
顶出行程 Ejection stroke		mm	270				300				
顶出力 Ejector force forward		KN	166				229				
顶针回缩力 Ejector force backard		KN	113				167				
顶针数量 Amount of die thimble		Pcs	1+20				1+16				
其它 Others											
系统压力 System pressure		MPa	16				16				
电机功率 Motor power		KW	45+37				45+37				
电热功率 Heater power		KW	50.1				45.3				
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	1200				1200				
外形尺寸 Boundary dimension(L×W×H)		m	10×2.7×3				10×2.7×3				
机器重量 Machine weight		T	38				42				
模板侧面尺寸 Side dimension of the 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/C8900				SK1500/C10900			
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	24.2	22	20.2	18	24	22	20.3	18
理论注射容积	Theoretical injection volume	cm³	4343	5255	6254	7340	5236	6232	7314	8482
注射量(PS)	Injection volume (PS)	g	3952	4782	5691	6679	4764	5671	6680	7719
最大对空注射速率	Maximum rate for injection to air	cm³/s	650	787	937	1155	764	909	1067	1384
注射压力	Injection pressure	MPa	205	169	142	122	209	176	150	122
注射行程	Injection stroke	mm	553				551			
最大注射速度	Maximum injection speed	mm/s	83				80			
螺杆最高转速	Maximal Rotational Speed of Screw	r/min	93				92			

锁模部分 Clamping part			
锁模力 Clamp Tonnage	KN	12000	15000
移模行程 Toggle stroke	mm	1260	1500
拉杆内间距 Distance between tie bars	mm×mm	1210×1055	1460×1320
最大模厚 Maximum mould height	mm	1200	1450
最小模厚 Minimum mould height	mm	400	400
顶出行程 Ejection stroke	mm	320	350
顶出力 Ejector force forward	KN	204	252
顶针回缩力 Ejector force backard	KN	152	188
顶针数量 Amount of die thimble	Pcs	1+28	1+24

其它 Others			
系统压力 System pressure	MPa	16	16
电机功率 Motor power	KW	45+45	37+37+37
电热功率 Heater power	KW	56.5	67.8
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	1400	1650
外形尺寸 Boundary dimension(L×W×H)	m	12×3×3.5	13.5×3×3.5
机器重量 Machine weight	T	47	80

模板側面尺寸
Side dimension of the
molding board

Technical drawings showing the side dimensions of the molding board for two different mold widths: 1260mm and 1500mm. The drawings illustrate the internal structure, including the cavity, cooling channels, and various dimensions. Key dimensions include: overall width (1260mm and 1500mm), cavity width (400-1200mm and 400-1450mm), cavity height (905mm and 910mm), and various internal offsets and distances (50, 110, 105, 105, 425, 610, 25, 20, 310, 750). The drawings also indicate the location of the 12-M24 deep 50mm holes and the 12-M24 deep 50mm holes.

SK系列技术参数表

SK SERIES TECHNICAL PARAMETER TABLE

项目/机型	Item/type	单位 Unit	SK1800/C18000				SK2200/C28000			
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	130	140	150	160	150	160	170	180
螺杆长径比	Screw diameter ratio	L/D	23.7	22	20.5	18.5	23	22	21	20
理论注射容积	Theoretical injection volume	cm³	9291	10776	12370	14074	14756	16789	18953	21248
注射量(PS)	Injection volume (PS)	g	8455	9806	11257	12807	13428	15278	17247	19336
最大对空注射速率	Maximum rate for injection to air	cm³/s	1026	1190	1366	1656	1409	1603	1809	2028
注射压力	Injection pressure	MPa	195	168	146	127	189	166	147	132
注射行程	Injection stroke	mm	700				835			
最大注射速度	Maximum injection speed	mm/s	77				79.7			
螺杆最高转速	Maximal Rotational Speed of Screw	r/min	91				53			

锁模部分 Clamping part			
锁模力 Clamp Tonnage	KN	18000	22000
移模行程 Toggle stroke	mm	1720	2000
拉杆内间距 Distance between tie bars	mm×mm	1620×1460	1760×1560
最大模厚 Maximum mould height	mm	1500	1750
最小模厚 Minimum mould height	mm	500	750
顶出行程 Ejection stroke	mm	400	450
顶出力 Ejector force forward	KN	332	425
顶针回缩力 Ejector force backard	KN	226	334
顶针数量 Amount of die thimble	Pcs	1+24	1+28

其它 Others			
系统压力 System pressure	MPa	16	16
电机功率 Motor power	KW	45+45+45	37+47+47+47
电热功率 Heater power	KW	80	122.9
温控区数量 Quantity of temperature-control zones		1+6	1+6
料斗容积 Bucket capacity	kg	200	400
油箱容积 Oil tank capacity	L	2200	2500
外形尺寸 Boundary dimension(L×W×H)	m	15.5×3.2×3.5	16.1×3.75×4.5
机器重量 Machine weight	T	99	140

模板侧面尺寸
Side dimension of the molding board

SK系列技术参数表

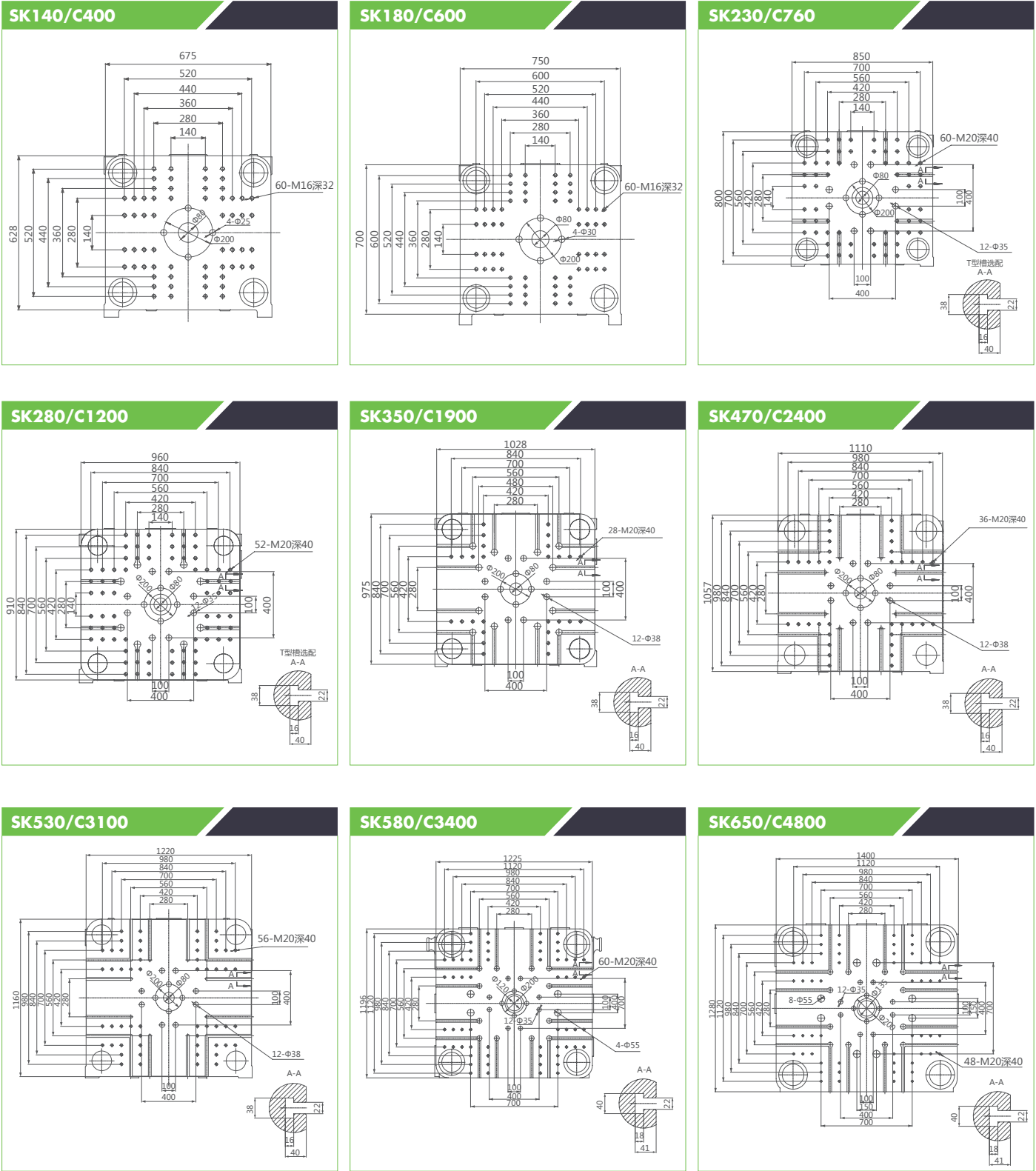
SK SERIES TECHNICAL PARAMETER TABLE

项目/机型		Item/type	单位	Unit	SK2500/C40700				SK2800/C70000								
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		170	185	200	220	200	220	230	240					
螺杆长径比		Screw diameter ratio	L/D		24	22	20	19	24	22	21	20					
理论注射容积		Theoretical injection volume	cm³		20996	24864	29060	35162	36285	43905	47987	52251					
注射量(PS)		Injection volume (PS)	g		19106	22626	26445	31997	33019	39954	43668	47548					
最大对空注射速率		Maximum rate for injection to air	cm³/s		1443	1709	1997	2416	1816	2197	2402	2615					
注射压力		Injection pressure	MPa		194	164	141	116	193	160	146	134					
注射行程		Injection stroke	mm		925				1155								
最大注射速度		Maximum injection speed	mm/s		63.5				57.8								
螺杆最高转速		Maximal Rotational Speed of Screw	r/min		48				54								
锁模部分														Clamping part			
锁模力		Clamp Tonnage	KN		25000				28000								
移模行程		Toggle stroke	mm		2250				2400								
拉杆内间距		Distance between tie bars	mm×mm		1920×1720				2110×1910								
最大模厚		Maximum mould height	mm		2000				2100								
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		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			
系统压力		System pressure	MPa		16				16								
电机功率		Motor power	KW		47+47+47+47				47+47+47+47+47								
电热功率		Heater power	KW		165.3				225.9								
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		2700				3000								
外形尺寸		Boundary dimension(L×W×H)	m		18.5×4.15×5.1				20.5×4.45×5.6								
机器重量		Machine weight	T		170				230								
模板侧面尺寸		Side dimension of the molding board															

SK系列模板正面尺寸

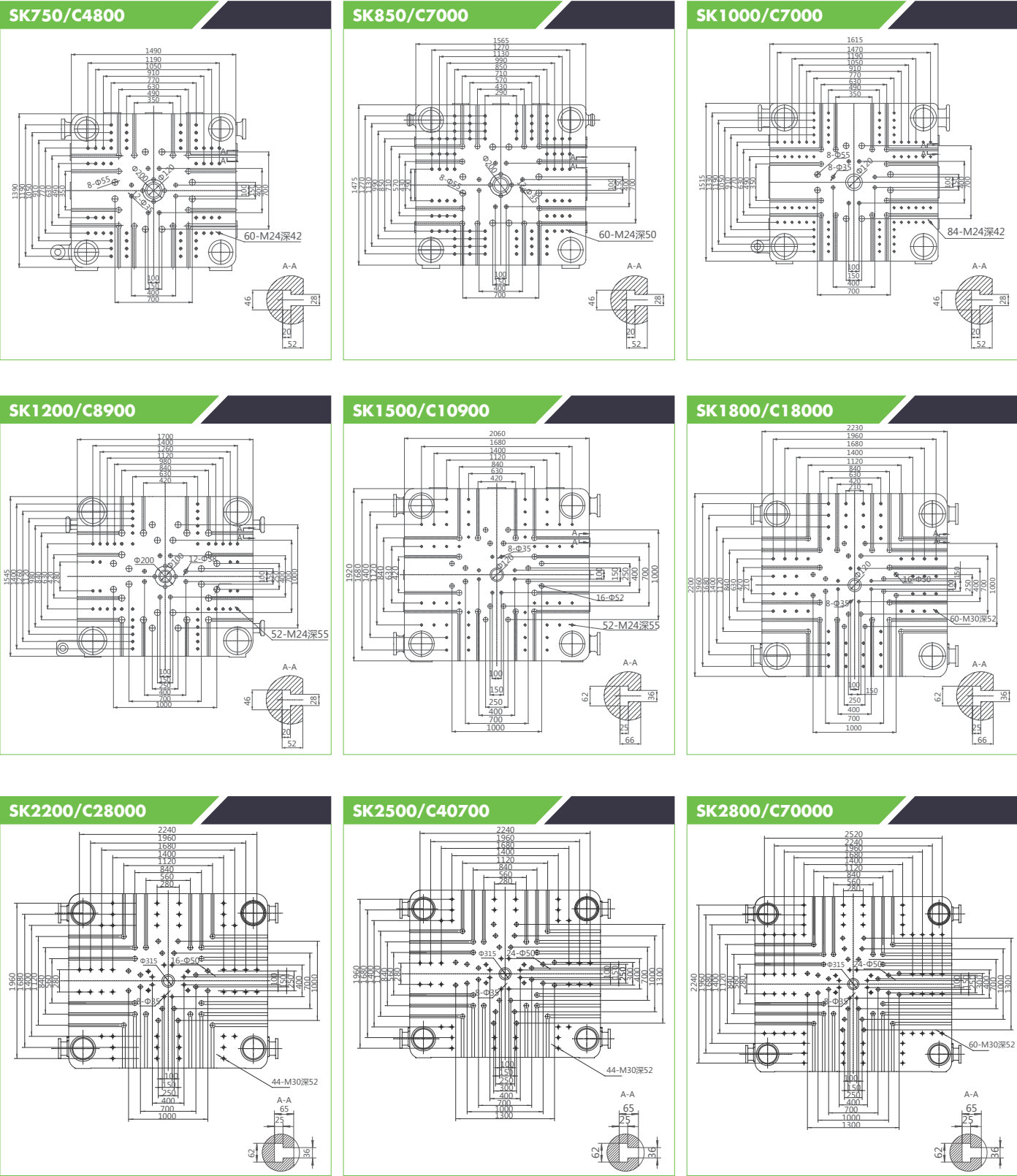
FRONT DIMENSION OF SK SERIES MOLDING BOARD

由于本公司产品不断提升，本公司保留调整个别参数的权利，恕不另行通知。
Since our products are subject to constant improvements, we reserve the rights to adjust individual parameters without prior notice.



SK系列模板正面尺寸
FRONT DIMENSION OF SK SERIES MOLDING BOARD

由于本公司产品不断提升，本公司保留调整个别参数的权利，恕不另行通知。
Since our products are subject to constant improvements, we reserve the rights to adjust individual parameters without prior notice.



SK 系列标准配置功能表 List of standard functions of SK series

- 注射部分 Injection part
- 优质氮化钢高效塑化螺杆机筒
- 螺杆防冷启动延迟时设定，定时加热、自动保温功能
- 优质大扭矩液压马达驱动溶胶
- 螺杆倒索防流涎装置（抽胶 / 送退 / 射退）
- 双射移油缸设计
- 高刚性射座支撑结构
- 喷嘴对中微调装置
- 高精度电子尺控制射胶行程
- 六段注射、五段保压、五段储料压力 / 速度可调
- 螺杆转速检测
- 自动清料功能
- 熔胶比例背压

锁模部分 Clamping parts
- 具有超大开模行程
- 宽式模板设计，能适应最大模具
- 高精度低压保护模具功能
- 液压马达驱动自动齿轮调模
- 可调式移动模板支撑结构，减少拉杆承载变形
- 机械、电气、液压二 / 三安全保护装置
- 自动安全门控制（sk750以上）
- 开合模、顶出动作采用高精度电子尺控制
- 开合模五段速度、压力可调节
- 自动检知容积式集中润滑系统
- 全系列标配T型槽（230T以上）

其他 Others
- 可调整避震垫
- 附件箱
- 常用工具
- 易损备件

液压部分 Hydraulic part
- 伺服节能系统
- 油温检测、油温偏差自动报警
- 电机过载保护功能
- 抽拔芯装置
- 快插式模具冷却水

电气控制部分 Electric control part
- 机械手
- 干燥机
- 塑料除湿机
- 粉碎机
- 模具温度控制器
- 磁力架
- 自动上料机
- 模具玻璃管冷却流量计

SK 系列选配功能表 List of optional functions of SK Series

- 注射部分 Injection part
- 加大 / 减小注射量
- 加大 / 减少熔胶马达
- PC、PA、PVC、PET、胶木等各种专用塑化装置
- 液压 / 气动 / 弹簧自锁喷嘴
- 氮气辅助快速射胶装置
- 气辅 / 水辅注射接口
- 顺序注射装置
- 差动高速注射装置
- 进料口温度控制装置

锁模部分 Clamping part
- 加大容量量
- 加大顶出力
- 加大顶出行程
- 加大机门
- 加装模具隔热板
- 非标模具安装孔

其他 Others
- 欧规机械手接口
- 模内贴标机接口
- 更改电压、频率
- 更改控制系统
- 加装工作灯
- 热流道控制装置

液压部分 Hydraulic part
- 加大 / 减小动力系统
- 加大冷却器
- 液压/气动抽芯装置
- 气动顶出装置
- 开合模同步熔胶装置
- 油温自动控制功能
- 油温预热装置
- 加装液压/气动抽芯装置
- 加装旁路过滤器

电气控制部分 Electric control part
- 机械手
- 干燥机
- 塑料除湿机
- 粉碎机
- 模具温度控制器
- 磁力架
- 自动上料机
- 模具玻璃管冷却流量计