

让中国装备技术与世界同步  
WE WALK ALONGSIDE THE WORLD

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广东伊之密精密注压科技有限公司  
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**YIZUMI**伊之密

Designed by Yizumi in October 2018

# SKII

**SKII通用型精密伺服注塑机**  
SKII Series General-Purpose Injection Molding Machine

(90T-480T)  
性价比之王  
The Best Buy



## 伊之密公司简介

# 立志成为所在领域世界级企业



伊之密顺德容桂总部  
Yizumi's headquarters in Ronggui, Shunde



顺德五沙生产基地  
Wusha production base in Shunde



苏州吴江生产基地  
Wujiang production base in Suzhou

轻合金及高分子复合材料模压成型工艺的广泛应用,改变了近代的工业制造模式,使低成本大批量生产成为可能。今天,以铝、镁、锌为代表的轻合金,及以塑料、橡胶为代表的高分子复合材料,已成为工业制品和消费产品不可或缺的重要组成原料,从而带动相关的模压成型装备的飞速发展。

2002年,公司在佛山市顺德区容桂镇四基生产出第一台伊之密塑料注射成型机,随后,伊之密相继推出铝、镁、锌合金压铸机、橡胶注塑机和机器人自动化集成系统,并得到了越来越多模压成型行业知名客户的认可和信赖。现在,在中国市场,伊之密注塑机已经位列业内前三名,压铸机、橡胶机均位列行业前二。

2015年1月23日,伊之密成功登陆深交所A股市场,开启企业发展的新征程。伊之密一直致力于让中国装备技术与世界同步,着力提高自身的技术实力、产品品质和服务。上市后,伊之密继续朝着这个方向努力,锁定“成为所在领域的世界级企业”的新目标,围绕模压成型专用机械设备领域多元化地延伸产品,创新产品研发和企业运营方式,积极布局全球市场,最终让全球的客户和同行都认可伊之密的产品和品牌。

今天,伊之密除了拥有占地80000m<sup>2</sup>的顺德高新区生产基地外,顺德五沙生产基地(占地81117m<sup>2</sup>)和苏州吴江生产基地(一期占地33213m<sup>2</sup>)已全面投产,满足伊之密未来五到十年的发展需要。另外,伊之密在全球市场运行“伊之密”和“HPM”双品牌战略,在北美、印度设立生产基地,开拓和巩固伊之密的国外市场。

为进一步把产品做到精益求精,伊之密引入IPD产品集成研发管理模式,从客户需求出发,以严谨的流程开发产品,完善产品升级换代。投入累计超过1.2亿元人民币,打造属于伊之密自己的精密制造平台,并投资建设恒温计量与检测中心,全力升级产品质量。

为客户创造更大价值及更佳的投资回报,是我们存在的意义。今后,我们将在节能技术、自动化技术、精密控制技术、产品无故障技术等领域作更大投入,持续保证产品的先进性和可靠性。同时,我们还将致力建设业内更佳服务体系,提供快速、准确的服务,为提高全球客户竞争力不懈努力。

## About Yizumi

# We aspire to become a world-class enterprise in our field!

With the widespread application of compression molding technology of light alloy and polymer-based composite, the mode of modern industrial manufacture has been changed and massive production with low-cost becomes possible. Today, light alloy exemplified by aluminum, magnesium and zinc, and polymer composites represented by plastics and rubber have become indispensable raw materials of industrial and consumer products. The relevant molding machinery industry thus achieves rapid development.

At the beginning of 2002, Yizumi manufactured the first injection molding machine in Siji, Ronggui Subdistrict. Then Yizumi launched die casting machines for aluminum, magnesium and zinc alloy, rubber injection machines and robotic automated integrated systems, obtaining high recognition from more and more well-known customers in the molding industry. Yizumi ranks top three among Chinese injection molding machine manufacturers and top two among both Chinese die casting machine manufacturers and rubber injection machine manufacturers.

On January 23, 2015, Yizumi successfully launched an IPO on the A-share market of Shenzhen Stock Exchange, which was a new start for the company's development. Yizumi has been committed to improve Chinese equipment technology to walk alongside the world and enhance its technical strength, product quality and service for 13 years. Yizumi will keep forward as always, set the new goal as becoming a world-class enterprise in the industry, diversify the products around the area of molding machinery for special applications, make innovations in the research and development of products as well as enterprise operation, so that Yizumi's products and brands are recognized by customers and counterparts worldwide.

In addition to the manufacturing base that covers an area of 80,000m<sup>2</sup> in Shunde National Hi-tech Industrial Zone, Yizumi's Wusha Factory (covering 81,117m<sup>2</sup>) and Suzhou factory (1st stage land area of 33,213m<sup>2</sup>) also have been put into use, which will meet the development needs of Yizumi in the next five to ten years. Yizumi also implements the YIZUM-HPM dual brand strategy in global markets and builds overseas bases in North America and India to develop and consolidate foreign markets.

To further improve the products, Yizumi introduces IPD mode to develop the products following strict procedures and upgrade the products based on customer needs. Yizumi has spent over 120 million RMB building its own precision manufacturing platform and invested in building a constant-temperature measuring and testing center to fully improve the product quality.

The greatest significance of Yizumi's existence lies in creating more value and better investment return for customers. In the future, the company will devote more input to areas such as technology of energy-saving, automation, precision control and trouble-free products so as to make sure our products are advanced and reliable. Meanwhile, we will be dedicated to setting up the better service system in the industry to provide rapid and quality service, making unremitting endeavor to improve the competitiveness of customers worldwide.

**宗旨:**我们致力于让中国装备技术与世界同步,并为全球客户创造更佳的投资回报及客户体验。

**愿景:**成为一家经营好、管理好、文化好,让员工引以为傲,为社会仰慕及尊敬的企业,永续经营。

**使命:**五年内成为中国领先的装备制造者,并于主要新兴市场建立全球经营系统,成为真正的“全球化”企业。

**Aim:** We are dedicated in providing global clients with better investment return and customer experience.

**Mission:** We are determined to become a leading Chinese machine manufacturer in five years and a real globalized enterprise with establishment of global business system in major rising markets.

**Vision:** We wish to become a long-lasting enterprise with effective operation, efficient management and excellent culture, of which the employees are proud and to which social respect are showed.

## SKII通用型精密伺服注塑机 SKII Series General-Purpose Injection Molding Machine

SKII系列继承了原来“高效、节能”的技术精髓,同时在“稳定性”及“客户体验”上下足功夫,持续优化,并兼顾SK/A5平台的互换性。

该系列定位于中小型机中的通用型性价比之王,并致力全面提升客户使用体验。

SKII series not only remains efficient and energy-saving as always, but also makes remarkable progress in stability and customer experience. Continuous optimization endows SKII series with interchangeability of the SK/A5 series platform.

SKII series is positioned as the best buy among small and medium-sized injection molding machines and committed to enhancing the user experience.

## 三大核心客户价值主张 Three Core Customer Value Propositions

### ● 稳定

稳定可靠的伺服系统和优化后的零部件质量,整机稳定性让客户在制品重复精度和位置重复精度等方面获得更新和更佳的价值体验;

### ● Stability

The servo system is stable and reliable and the components quality is optimized. The stability of the whole machine provides customers with newer and better experience in product repeatability, position repeatability and other aspects.

### ● 高效

塑化速度快,干周期短,整机运行效率高,标配T型槽,换模时间更便捷高效;

### ● High efficiency

SKII series is characterized by fast plasticization, short dry cycle and high operating efficiency. T-slots are standard on SKII series so that mold change is easier and quicker.

### ● 客户体验的全面升级

在保证稳定、高效的核心价值点外,我们更注重客户实际使用的体验优化,包括工业设计、人机交互、环保等细节。

### ● Comprehensive upgrade of customer experience

Apart from ensuring high stability and efficiency, which are the core value, Yizumi focuses more on enhancing the user experience that covers industrial design, human-machine communication, environmental protection and other details.







## 锁模单元 Clamping Unit

### 可靠、稳定、耐用

SKII 系列注塑机, 基于高刚性锁模单元设计, 全面优化参数与受力分布, 确保整机扎实、稳定可靠。

### Reliable, stable, durable

SKII series is based on high-rigidity clamping unit design and comprehensive optimization of parameters and force distribution, ensuring the machine is robust, stable and reliable.



#### ① 双压中心模板设计

定模板及动模板均采用压中心模板设计, 模板变形小, 高压合模时模板模具区域趋于平均的压力分布, 能够抑制模板变形所引起的飞边及缺料等不良现象, 降低锁模力, 延长模具寿命。

#### ② T型槽+码模孔组合式模板

模板水平方向采用T型槽+码模孔组合模式, 垂直方向采用码模孔, 既满足方便拆装模具, 又提高模板的整体刚性。

#### ③ 优化顶出机构

加大顶出行程, 标配顶出强制复位接口, 可满足不同的客户需求。

#### ④ 拉杆卸荷槽优化设计

卸荷槽的优化, 使拉杆螺纹受力更均匀, 确保拉杆使用寿命。

#### ⑤ 免调节机械安全锁

置于尾板的免调节机械安全锁, 实现自动机械安全防护。

#### ⑥ 人性化

标配欧规18机械手机械定位接口, 安装更方便、更快捷。

#### ① Platen center clamping

Both the fixed platen and movable platen are designed with clamping force focused on the center, which minimizes the platen deformation. Uniform pressure distribution to the center of mold during high-pressure mold closing can suppress defects like flash and short shot due to the platen deformation, reduce clamping force and extend the life of mold.

#### ② Combination of T slots and bolt holes

The platen has both T slots and bolt holes in horizontal direction, but only bolt holes in vertical direction. Such layout makes the setup and removal of mold easier and increases the overall rigidity of platen.

#### ③ Optimized ejection mechanism

The ejector stroke is increased and the forced ejector return interface is a standard feature, which meets the needs of different customers.

#### ④ Enhanced load relief groove design

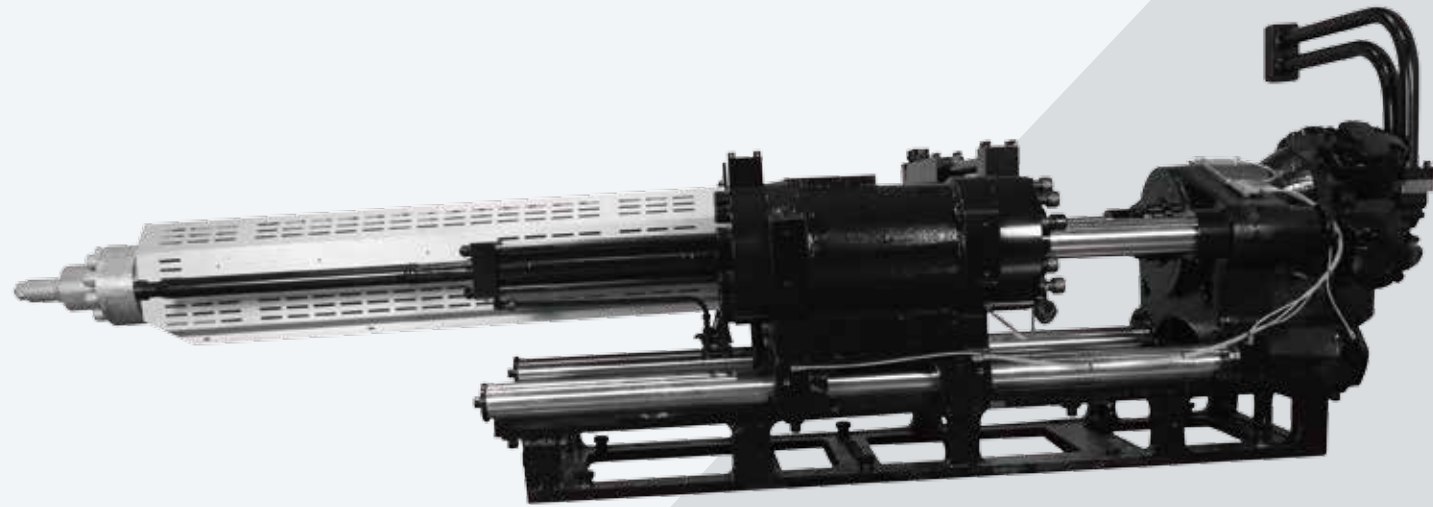
The optimization of load relief groove makes the force applied to the rod threads more uniform, ensures long service life of the tie rod.

#### ⑤ Adjustment-free mechanical safety lock

The adjustment-free safety lock is located at the tail platen for automatic mechanical protection.

#### ⑥ User-friendly

EUROMAP 18 based robot locating hole is a standard feature that makes setup more convenient and quicker.



## 注射单元 Injection Unit

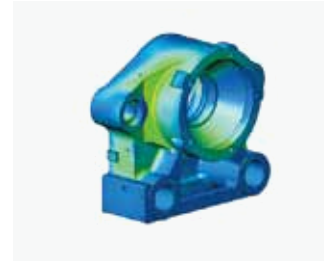
### 稳定、高效、高精度

SKII 系列注塑机, 基于注射机构的优化设计, 提高注射刚性; 结合优化设计的料管组件, 减少注射过程中的各项摩擦阻力, 提高注射精度, 确保注射的稳定性。

### Stable, efficient, high accuracy

Based on optimized injection mechanism design, the injection unit of SKII series has higher rigidity. The design of barrel assembly is enhanced to reduce the frictional resistance during the injection process, increase the injection accuracy and ensure the stability of injection.

1



高刚性射胶模板  
High-rigidity injection component



标配双射移确保注射可靠  
Reliable double injection carriages

2



标配高效塑化混炼螺杆  
Highly-efficient mixing screw

3



标配移动料斗滑轨(320T及以下)  
Movable hopper guide rails(standard feature for 90T-320T)



集中润滑模块  
Centralized lubrication module



标配射嘴防护罩、料筒护罩  
Purge guard and barrel cover

### ① 优化注射单元

UN260-480SKII采用整体射移机架设计, 注射机构优化设计, 提升注射刚性, 并确保机构运动受力方向和射胶受力同轴, 降低阻力, 提高注射的稳定性和精度。

### ② 全面优化螺杆设计

提升塑化效率及塑化质量, 实现塑化快、混色好、易清理的客户需求。

### ③ 人性化设计

标配移动料斗滑轨、料筒护罩、射嘴防护罩及集中润滑等多项配置设计提高了操作和维护的方便性, 提升客户整体效率。

### ① Optimized injection unit

UN260SKII-480SKII machines adopt integrated injection carriage frame design. The optimized design of injection mechanism increases the rigidity, ensures the coaxiality of forces on motion and injection, reduces resistance and improves the stability and accuracy of injection.

### ② Optimized screw design

The plasticizing efficiency and quality are enhanced to meet customer needs for fast plasticization, good color mixing and easy cleaning.

### ③ User-friendly design

Standard features, including movable hopper guide rails, barrel cover, purge guard and centralized lubrication add to the convenience of operation and maintenance and raises the overall efficiency for customers.



## 液压系统 Hydraulic System

### 伊之密第三代伺服节能技术:技术与配置的高效组合,伺服机中的“精品”!

采用第三代节能伺服系统,转动惯量小,无底流,能耗更低。整套油路多重优化,包括降低动作运动阻力及压力流程损耗,确保整机能耗更优。

### Yizumi third-generation energy-saving servo technology: efficient combination of technology and configuration makes the best servo machine

The third-generation energy-saving servo system has low moment of inertia and consumes less energy. The whole hydraulic circuit is subject to optimizations, including the reduction of resistance to motion and pressure loss, to ensure less energy consumption of the machine.



专业伺服电机  
Professional servo motor

+



高性能齿轮泵  
High-performance gear pump

+



汇川伺服驱动器  
INOVANCE servo drive

#### 动力强

动力系统功率配置充足,过载能力强,以120T为例,全速全压测试可实现5分钟不过载报警的极限测试。

#### Strong power

The power system is well configured with strong overload capacity. For example, a 120T machine can raise no overload alarm at maximum speed and pressure for 5 minutes in a test.

#### 油冷却器优化设计

UN90-320SKII采用内藏膜片式油冷却器,整机美观,结构紧凑合理,冷却效率更高。

#### Optimized oil cooler design

UN90-320SKII machines are equipped with built-in diaphragm type oil cooler and they have good look, compact structure and higher cooling efficiency.



#### 响应快

系统响应速度进一步提升,以120T为例,系统响应时间约40ms。

#### Fast response

The response speed becomes faster. Take a 120T machine for example, the servo system can respond in about 40ms.

#### 液压管路布局优化设计

钢管布局合理,高低压油管收纳到机架里面,整机简洁美观。

#### Improved hydraulic line layout

The steel pipes are well arranged and the hydraulic hoses are organized in the machine frame so that the machine looks neat and simple.



## 电控系统 Electrical Control System

### ◎MH9118电脑:电脑速度快、控制精准、操作简单,程序可满足多种工艺需求,功能强。

### ◎MH9118 controller: fast speed, accurate control, easy operation, program for multiple processes, powerful

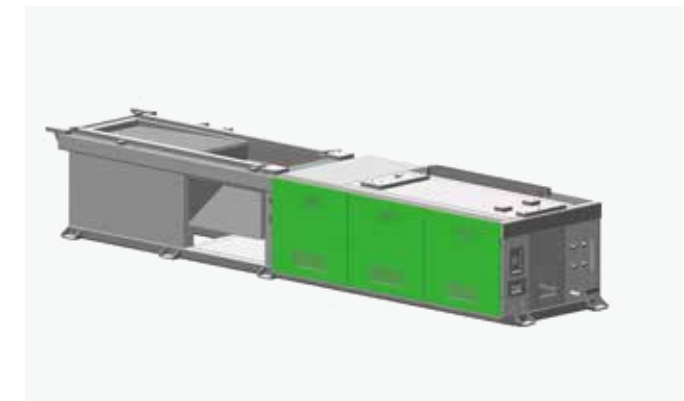
- MH9118 电脑控制系统,时钟频率 140MHZ,运行速度快;
- 8" TFT256 色 LCD 显示,显示部分独立 CPU 控制;
- 主机控制频率为 140MHZ,扫描时间 1ms,响应速度快,控制精度高;
- 100 组工模参数存储空间,带 USB 接口;
- 品质监控管理,主要工艺参数列表统计;
- 料筒温度控制 PID 参数自动调整功能。

- MH9118 controller which runs fast and clock rate up to 140MHZ
- 8" TFT 256-color LCD with independent CPU control
- Machine control frequency of 140MHZ, scanning time of 1ms, fast response and accurate control
- 100 sets of molding data storage with USB port
- Production quality control with main process parameter statistics
- Automatic tuning of PID settings for barrel temperature control



### ◎各种电气接口实现了通用化和标准化设计,满足多样化客户需求。

- The universal and standardized design of various electrical interfaces meets diversified customer needs.



### ◎整体式高刚性机架设计

电箱与机架整体式设计,提高刚性,节省场地。

### ◎多种选配接口设计(200T及以下)

减小一级射胶机构、线性导轨射台及减小一级线性导轨射台,满足客户的多样性定制需求。

### ◎Integrated high-rigidity machine frame

The electrical enclosure and machine frame are designed as a whole to increase rigidity and save space.

### ◎Various optional interfaces (for 200T and smaller machines)

Injection units can be equipped with linear guide rails and smaller injection units are available to meet individual customer needs.

## UN90~480SKII技术参数表 Specifications

说明		DESCRIPTION	UNIT	UN90SKII			UN120SKII			UN160SKII			UN200SKII			UN260SKII			UN320SKII			UN400SKII			UN480SKII					
国际标准规格		International size		295/900			420/1200			604/1600			895/2000			1269/2600			1885/3200			2693/4000			3330/4800					
射胶机构 INJECTION UNIT																														
				A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C			
理论注射容积		Shot volume	cm <sup>3</sup>	116.6	158.7	207.3	163.6	246.9	307.6	297.7	371	452.3	425.2	518.4	664.4	584.6	749.3	962.4	834.1	1071.3	1338.3	1198.5	1497	1828.8	1678.5	2050.5	2459.6			
实际注射量		Shot weight (PS)	g	107.3	146	190.8	150.5	227.1	283	273.9	341.3	416.1	391.2	477	611.3	537.9	689.3	885.4	767.4	985.6	1231.2	1102.6	1377.3	1682.5	1544.2	1886.4	2262.8			
			oz	3.8	5.2	6.7	5.3	8	10	9.7	12	14.7	13.8	16.8	21.6	19	24.3	31.2	27.1	34.8	43.4	38.9	48.6	59.3	54.5	66.5	79.8			
螺杆直径		Screw diameter	mm	30	35	40	35	43	48	43	48	53	48	53	60	53	60	68	60	68	76	68	76	84	76	84	92			
射胶压力		Injection pressure	MPa	252.8	185.6	142.2	256.9	170	136.7	203	162.9	133.6	210.7	172.8	134.8	217.1	169.4	131.8	226.2	176.1	141	224.8	179.9	147.3	198.6	162.5	135.5			
注射速率	伺服泵系统(标配)	Injection rate	Standard servo pump Variable displacement pump (optional)	g/s	69.6	94.7	123.7	83.2	125.6	156.5	108.2	134.8	164.4	131.5	160.3	205.5	162.4	208.1	267.3	189.9	243.9	304.7	290.7	363.1	443.6	379.8	464	556.5		
	变量泵系统(选配)				57.2	77.8	101.6	68.6	103.5	129	108.2	134.8	164.4	131.5	160.3	205.5	162.4	208.1	267.3	174.3	223.9	279.6	253.9	317.2	387.5	354.8	433.4	519.8		
螺杆长度直径比		Screw L:D ratio		24:1	20:1	20:1	24:1	20:1	20:1	22.3:1	20:1	20:1	22:1	20:1	20:1	22.6:1	20:1	20:1	22.6:1	20:1	20:1	22.3:1	20:1	20:1	22.1:1	20:1	20:1			
最大注射速度	伺服泵系统(标配)	Max. injection speed	Standard servo pump Variable displacement pump (optional)	mm/s	107			94			81			79			80			73			87			91				
	变量泵系统(选配)				87.9			77.5			81			79			80			67			76			85				
螺杆行程		Screw stroke	mm	165			170			205			235			265			295			330			370					
螺杆转速	伺服泵系统(标配)	Screw speed	Standard servo pump Variable displacement pump (optional)	r/min	0-219			0-229			0-204			0-170			0-164			0-160			0-156			0-140				
	变量泵系统(选配)				0-180			0-188			0-204			0-170			0-164			0-146			0-132			0-131				
锁模机构 CLAMPING UNIT																														
锁模力		Clamping force	kN	900			1200			1600			2000			2600			3200			4000			4800					
开模行程		Opening stroke	mm	320			360			410			460			530			580			660			760					
导柱内间距		Space between tie bars (W×H)	mmxmm	360×360			410×370			455×435			510×510			570×570			670×670			710×710			810×810					
模板最大距离		Max. daylight	mm	670			760			870			980			1140			1240			1390			1570					
容模量(最薄-最厚)		Mold thickness (min.-max.)	mm	130-350			145-400			160-460			180-520			195-610			220-660			240-730			260-810					
顶出行程		Ejector stroke	mm	100			120			140			150			160			170			210			220					
顶出孔数量		Number of ejector pin holes		5			5			5			5			13			13			13			17					
顶出力		Ejector force	kN	28			42			42			49			77			77			110			110					
动力/电热 POWER UNIT																														
最大系统压力		Max. system pressure	MPa	17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5		
油泵马达	伺服泵系统(标配)	Oil pump motor	Standard servo pump Variable displacement pump (optional)	kW	11			16			16			19.6			24			34.7			59.6			60.5				
	变量泵系统(选配)				11			11			15			18.5			22			30			37			45				
电热功率		Heating capacity	kW	6.9/7.8			9/10.1			10.9/12.1			14.4/16.8			16.6/19			22.2/24.6			26.4/30.9			33.1/36.2					
温度控制区数		Number of temperature control zones		4			4			4			5			5			5			6			6					
其它 GENERAL																														
干循环时间	伺服泵系统(标配)	Dry cycle time	Standard servo pump Variable displacement pump (optional)	s	1.9			1.9			2.4			3.1			3.1			3.8			4.0			4.2				
	变量泵系统(选配)				2.2			2.1			2.4			3.1			3.1			3.8			4.0			4.2				
油箱容量		Oil tank capacity	L	135			165			200			260			335			445			570			760					
外形尺寸(LxWxH)		Machine dimensions (LxWxH)	mxmxxm	4.55×1.15×1.56			4.59×1.23×1.62			5.25×1.25×1.73			5.68×1.32×1.82			6.24×1.59×1.96			6.84×1.73×2.03			7.78x2.12x2.03			8.55x2.20x2.10					
设计重量		Machine weight	kg	3000			3500			4500			5800			8000			10500			14500			18000					

# 标配选配表 Features

	Standard	Optional
<b>射胶/熔胶部分</b>		
合金钢氮化螺杆料筒	●	
双缸平衡注射装置	●	
移动式料斗 (90T-320T)	●	
螺杆防冷启动功能	●	
自动清料功能	●	
熔胶前后松退可选	●	
多段料筒PID温控 (4至7段)	●	
射胶、熔胶故障自动检测	●	
精密电子尺控制射胶/熔胶行程	●	
注射速度、压力、位置6段设定	●	
保压速度、压力、时间5段设定	●	
储料速度、压力、位置3段设定	●	
加长射嘴		○
镀硬铬螺杆组件		○
双金属螺杆组件		○
专用螺杆组件		○
干燥料斗		○
数控比例背压		○
料筒吹风装置		○
射嘴防护罩 (可带电气保护)		○
弹簧自锁射嘴		○
加大注射行程		○
<b>锁模部分</b>		
精密电子尺控制锁模/顶针行程	●	
锁模三大板/机铰采用QT500-7A高刚性球墨铸铁	●	
电脑控制两段顶出前进/后退动作	●	
多种顶针控制功能可选	●	
液压驱动齿轮调模装置	●	
机械/电气双重保护装置	●	
移动模板耐磨轨道	●	
高刚性T型槽+码模孔模板	●	
自动集中润滑系统	●	
欧规机械手机械定位接口	●	
加大容模量		○
加大顶针行程		○
吊模架(90T-200T)		○
加装模具隔热板		○
加装特殊模具安装孔		○
自动安全门(400T-480T)		○
<b>液压系统</b>		
第三代伺服系统	●	
熔胶背压调节装置	●	
旁路循环精密过滤器	●	
系统压力流量自动校正	●	
高性能液压控制阀	●	

# 标配选配表 Features

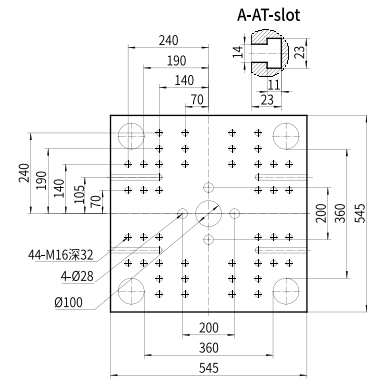
	Standard	Optional
品牌密封元件	●	
低噪音液压系统	●	
液压油冷却装置	●	
变量泵系统		○
液压油温检测及高低温报警		○
液压抽芯/旋转脱模装置		○
液压安全保护		○
独立油温控制		○
高响应蓄能伺服注射系统		○
高响应伺服开合模系统		○
同步顶出装置		○
加大油冷却器		○
加大一级油泵电机		○
氮气射胶装置		○
<b>控制系统</b>		
输入 / 输出检视功能	●	
自动保温及自动加热设定功能	●	
射胶转保压采用时间/位置/时间+位置控制	●	
动作斜率的独立调整	●	
两组液压抽芯/旋转脱模控制程序	●	
工艺参数锁定功能	●	
锁模力自动调整功能	●	
8"彩色LCD显示屏	●	
120组工模参数存储空间	●	
多种操作语言 (中英)	●	
机械手界面 (亚标)	●	
电动旋转脱模装置		○
热流道接口		○
气辅注射装置		○
工作灯/单色或多色警示灯		○
单相/三相电源插座		○
辅助急停开关		○
工模吹风		○
电动旋转脱模接口		○
更改电源电压		○
<b>其他配置</b>		
说明书	●	
可调防震垫脚	●	
工具箱及工具一套	●	
滤芯	●	
码模夹	●	
普通料斗		○
模具温度控制器		○
自动上料机		○
除湿机		○
玻璃管冷却流量计		○

	Standard	Optional
<b>Injection unit</b>		
Nitrided screw & barrel	●	
Double-cylinder injection device	●	
Movable hopper (90T-320T)	●	
Screw cold start protection	●	
Automatic purging	●	
Selectable suck-back before or after plasticizing	●	
4 to 7-stage PID barrel temperature control	●	
Automatic injection and plasticizing failure detection	●	
Precision injection transducer	●	
6-stage injection speed/pressure/position control	●	
5-stage holding speed/pressure/time control	●	
3-stage plasticizing speed/pressure/position control	●	
Extended nozzle		○
Hard chromeplated screw component		○
Bi-metallic screw component		○
Screw component for special applications		○
Hopper dryer		○
CNC proportional back pressure		○
Barrel blowing device		○
Purge guard (with safety switch)		○
Spring shut-off nozzle		○
Extended injection stroke		○
<b>Clamping unit</b>		
Precision transducer for clamp/ejector stroke control	●	
Three platens and toggles made of QT500-7A ductile cast iron	●	
2-stage ejector forward/backward control	●	
Various ejection settings	●	
Hydraulic mold height adjusting device	●	
Mechanical and electrical safety devices	●	
Wear-resistant movable platen supporting tracks	●	
High-rigidity platen with T slots and bolt holes	●	
Automatic centralized lubrication system	●	
Euromap-based robot locating hole	●	
Increased mold thickness		○
Larger ejector stroke		○
Mold lifting device (90T-200T)		○
Mold thermal insulation plate		○
Special mold mounting hole		○
Automatic safety door (400T-480T)		○
<b>Hydraulic system</b>		
Third-generation servo system	●	
Plasticizing back pressure adjustment device	●	
By-pass precision oil filter	●	
Automatic calibration of pressure and flow	●	
High-performance hydraulic valve	●	

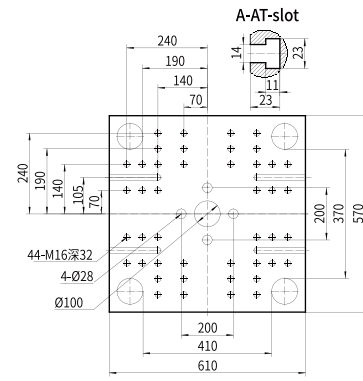
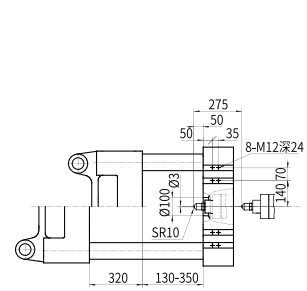
	Standard	Optional
Brand-name seal	●	
Lower-noise hydraulic system	●	
Hydraulic oil cooler	●	
Variable displacement pump system		○
Hydraulic oil temperature detection and alarm		○
Hydraulic core-pull/ unscrewing device		○
Hydraulic safety protection		○
Independent oil temperature control		○
High-response servo injection system with accumulator		○
High-response servo mold open/close system		○
Ejection during mold opening		○
Enlarged oil cooler		○
Enlarged oil pump and motor		○
Nitrogen assisted injection device		○
<b>Control system</b>		
Input/output inspection function	●	
Automatic heat preservation and automatic heating setting	●	
Time / position / time + position controlled switchover from injection to holding	●	
Separate adjustment of action slope	●	
Control program of two sets of core puller/ unscrewing	●	
Process parameter lock	●	
Automatic clamping force adjustment	●	
8" color LCD	●	
120 sets of molding data storage	●	
Multiple operating languages (Chinese and English)	●	
Robot interface (Asian standard)	●	
Electrical unscrewing device		○
Hot runner interface		○
Air-assisted injection device		○
Working light / one or multi-color alarm light		○
Single or three-phase power socket		○
Emergency stop button		○
Air blast		○
Electric unscrewing interface		○
Power supply voltage change		○
<b>Other</b>		
Operation manual	●	
Adjustable leveling pad	●	
Tool kit	●	
Filter element	●	
Mold clamp	●	
General hopper		○
Mold temperature controller		○
Auto loader		○
Dehumidifier		○
Glass tube flowmeter		○



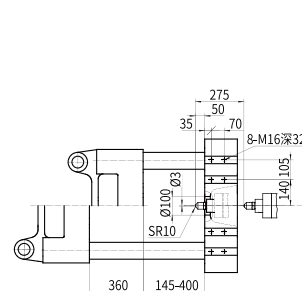
# 模板尺寸图 Platen Dimensions Drawings



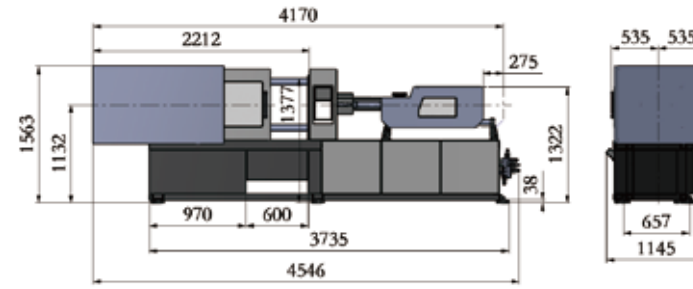
90 Ton



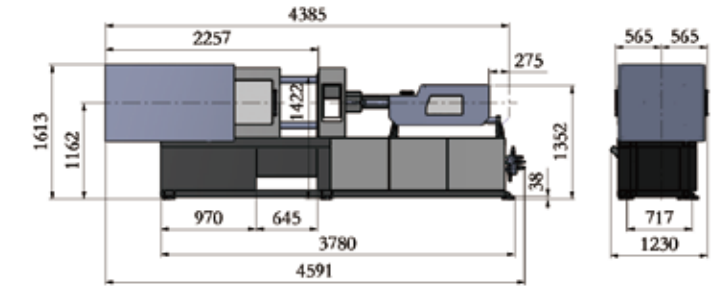
120 Ton



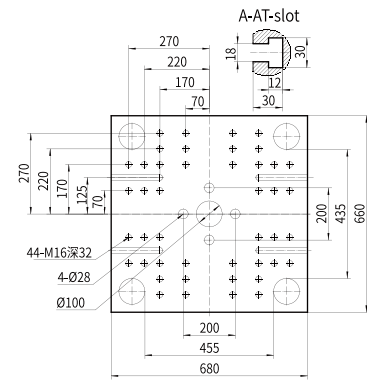
# 外形尺寸图 Machine Dimensions Drawings



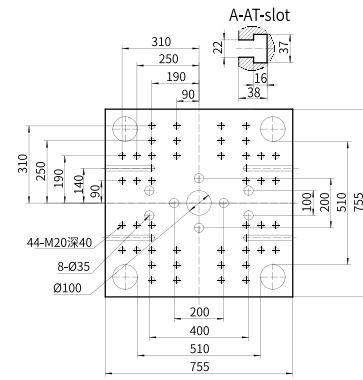
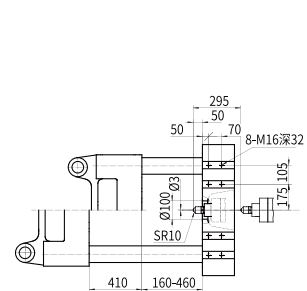
90 Ton



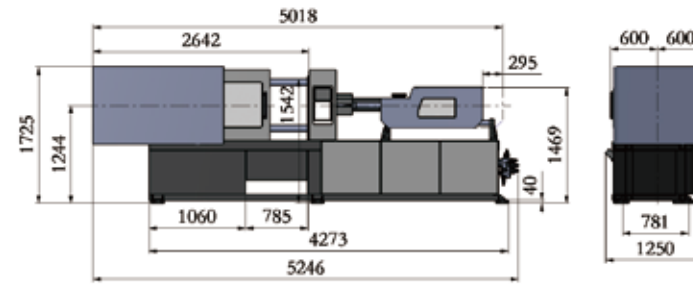
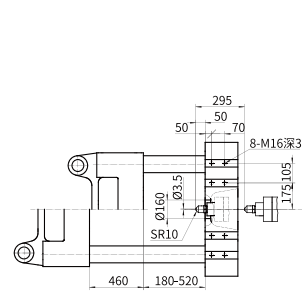
120 Ton



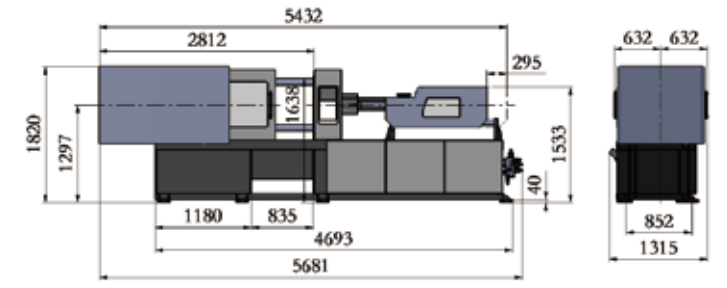
160 Ton



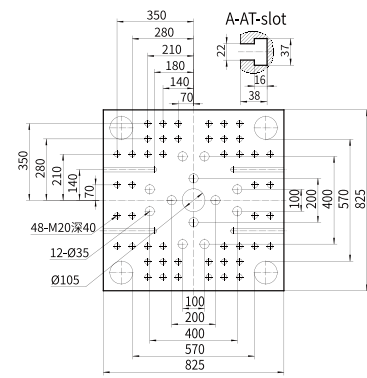
200 Ton



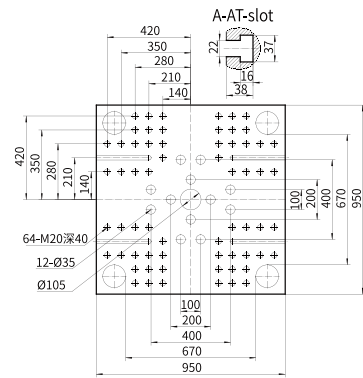
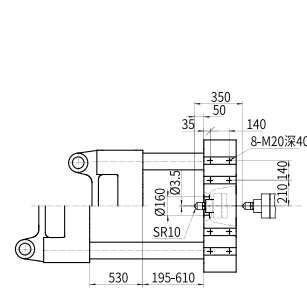
160 Ton



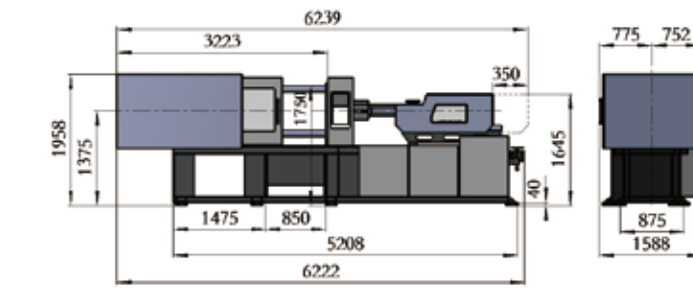
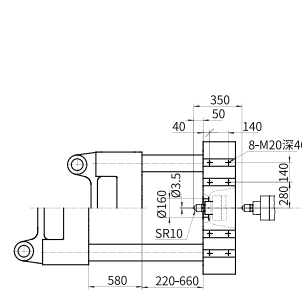
200 Ton



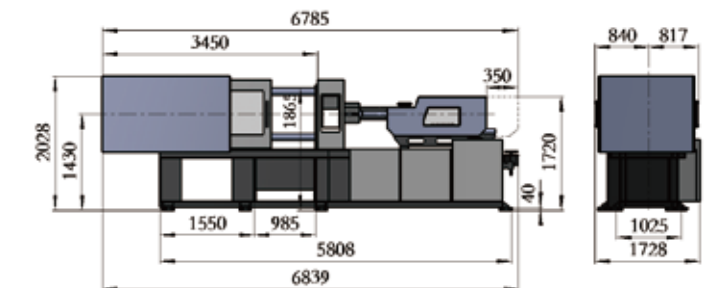
260 Ton



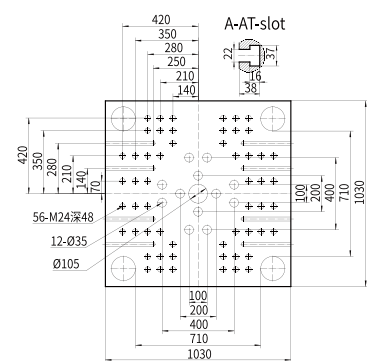
320 Ton



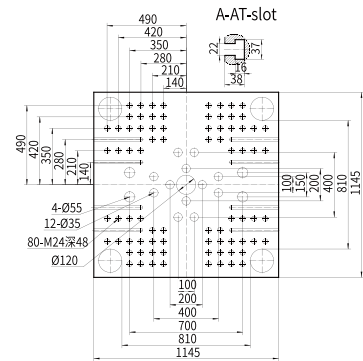
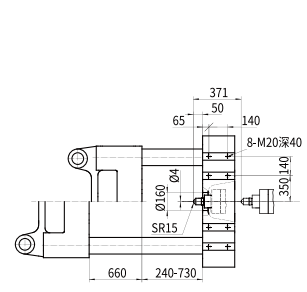
260 Ton



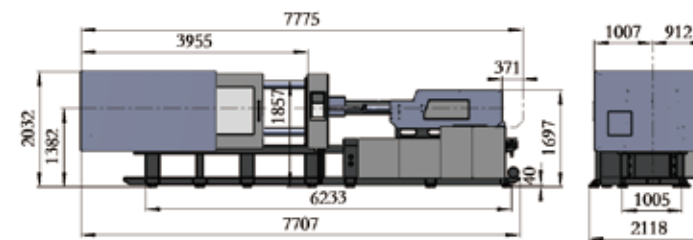
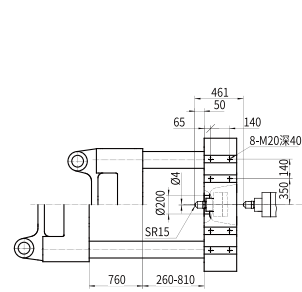
320 Ton



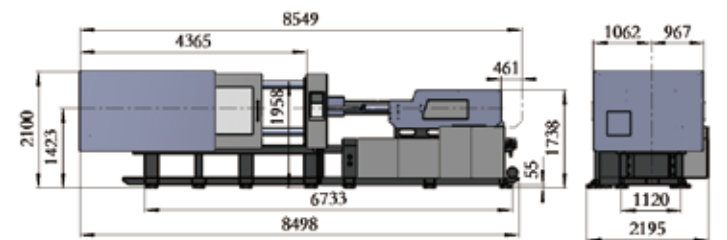
400 Ton



480 Ton



400 Ton



480 Ton

## 销售服务网络

### Sales and Service Network

