



佛山市宝捷精机有限公司  
POWERJET PLASTIC MACHINERY CO., LTD.

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## KII Series

Precision Injection Molding Machine



宝捷精机  
**PowerJet**  
KII 系列  
标准型高精密注塑机  
(900 ~ 10,000 kN)



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## 公司简介

### Introduction

SINCE 2000

宝捷精机——标准型、专用型注塑机械的高新技术企业！  
POWERJET is a high and new technology enterprise of injection molding machine.



占地面積  
Covering an area of  
**100000+**  
(平方米)  
m<sup>2</sup>

員工數量  
Number of employees  
**500+**  
(人)  
people

專利技術  
Patented technologies  
**80+**  
(項)  
numbers

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

POWERJET has a large number of experts in plastic machinery industry and management personnel with ability, who can have the profound study and understanding on the customer needs, market change, machine technology and industry development. The upgraded KII series of standard high-precision injection molding machines, with its unique advantages of "more efficient, more stable, more precise and wider scope of application", has been widely recognized and verified by customers, and provides continuous competitiveness for customers to pursue cost optimization and revenue maximization.

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



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



全新封闭式钣金外观设计，新颖、时尚、清洁  
New closed sheet metal appearance design, novel, fashionable and clean

中心压力锁模结构，稳定快速  
Center-press toggle unit designed, fast and stable

全新改良注射机构，射速更快、更精密  
New improved injection unit, higher injection speed, more precise

**更高效节能 + 更精密稳定 + 适用范围更广 + 机台及模具寿命更长**

**More efficient and energy saving  
More precise and stable  
Wider scope of application  
Longer service life of machine and mold**

**KII 系列  
升级版标准型高精密注塑机  
High Precision Injection Molding Machine**

**KII series**

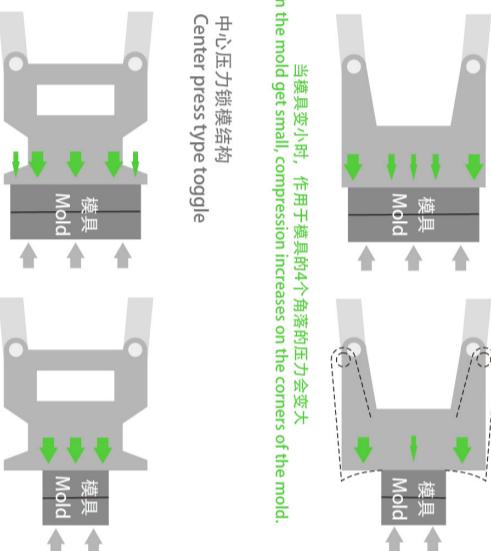
加强刚性机架，减震更明显、生产更稳定  
Strengthen rigid frame, better damping performance, production more stable

搭载全新伺服系统，响应快、精度高  
New servo motor system, high response and high precision

## 高刚性中心压力锁模机构

- 提高成型稳定性
- 减轻对模板的损害
- 模板运行更快更稳定

普通锁模结构  
General type toggle



当模具变小时，作用于模具的4个角落的压力会变大。  
When the mold get small, compression increases on the corners of the mold.

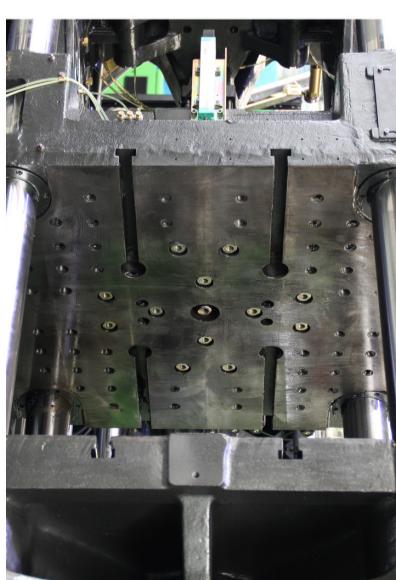
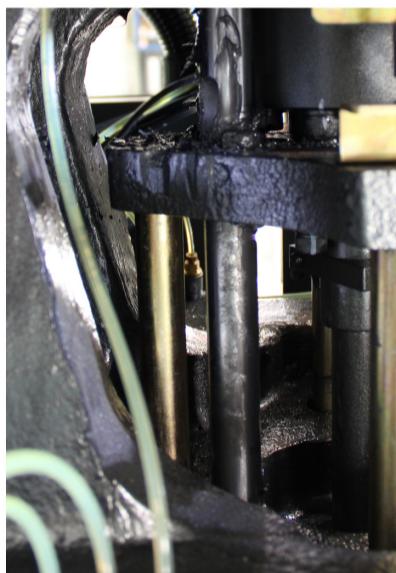
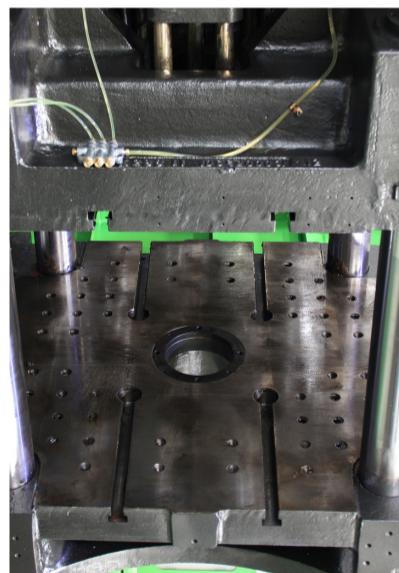
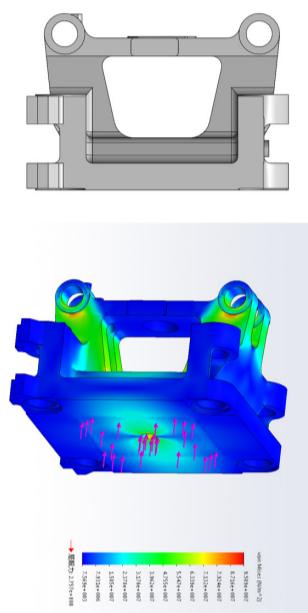
- 中心压力锁模结构使模具均衡受力，也避免了模板的损伤；
- 全新设计的锁模结构，确保模刚性提升20%以上

- 防倾侧底脚设计，保证开合模的高速平稳性；
- 欧式顶针设计，提升对模具的适应性；
- 低应力高寿命导柱结构。

### Center-Press Toggle Unit

- Improve stability in molding
  - Minimize platen's damage
  - Higher speed and stable platen's movement
- Center-press toggle system designed to apply equal force on mold during clamping and preventing platen's damage.
  - New design of the clamping structure, ensures the rigid mold platen enhancement increasing more than 20%.
  - Anti-tilt side design of the foot ensures the opening and closing of smooth high-speed;
  - European ejector design, enhances the adaptability of the mold;
  - Low stress and long life bar structure.

有限元受力分析, 刚性提高15%~30%。  
The rigidity is increased by 15%~30% through finite element analysis



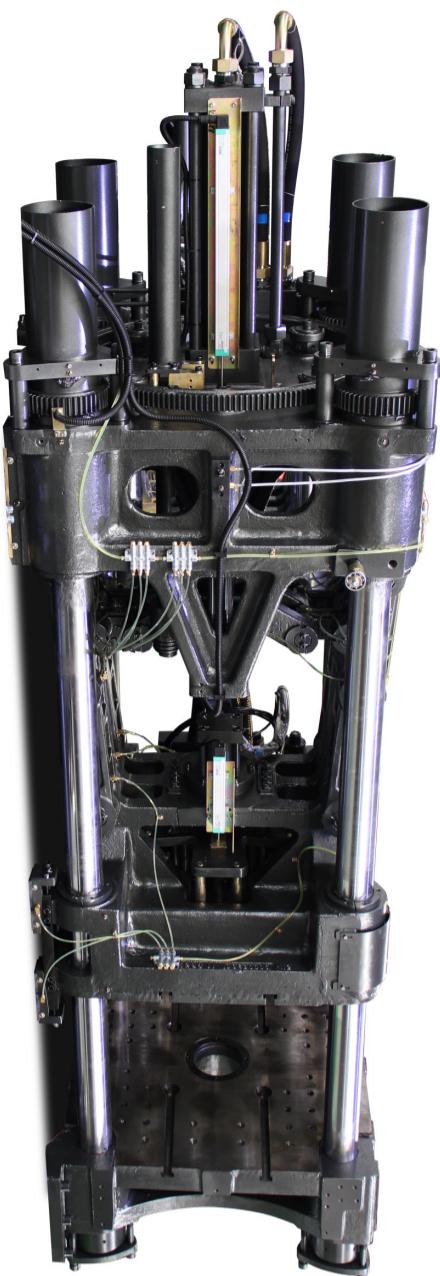
④ 整体拆装顶出油缸部件结构；  
Integral structure of removable ejector cylinder components;

⑤ 锁模二板超长底脚滑板；  
Super long feet slide plate of die locking double plate;

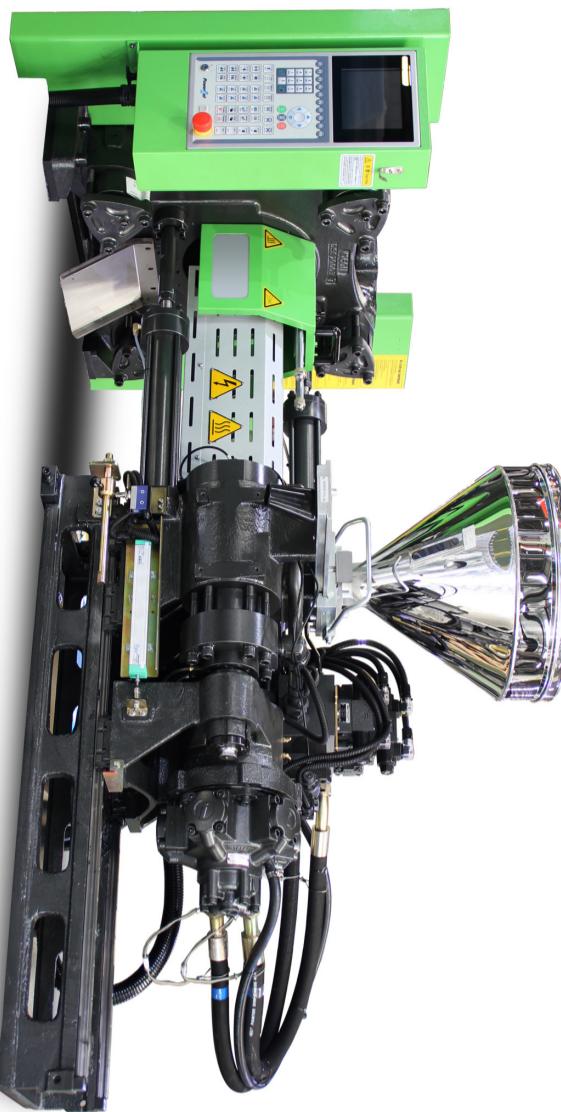
⑥ 拉索式内力传递缓冲机械锁；  
Cable-type mechanical lock with internal force transfer buffer;

⑦ 全系标配T型槽、码模孔复合模板；  
All are equipped with T-slot and code hole composite formwork;

⑧ 全系标配模具定位环；  
All are equipped with mold locating ring.



# KII 系列 注射单元 Injection Unit



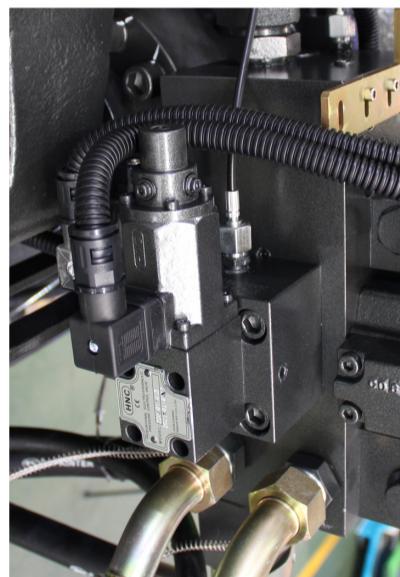
**精密、稳定，塑化效果好**

Precision, Stability, Good Plasticization

- 改良射胶机构，
- 高效驱动技术，
- 充分减少注射阻力，
- 提高速度和精度，

确保塑化质量及混色效果。

Ensure plasticizing quality and color mixing performance.



熔胶比例背压控制；

Proportional back pressure control of melting



集中润滑模块

Centralized lubrication module



高寿命传动轴及耐疲劳射胶活塞杆结构；  
Structure of long life transmission shaft and anti-fatigue injection piston rod



水平双缸射移设计，定位更牢固、对中更准确；  
全新双层隔热熔胶筒护罩。  
The horizontal double cylinder shooting design makes the positioning more firm and the alignment more accurate; New double layers heat insulation glue cylinder shield.



高刚性整体式线性导轨低摩擦，提高射胶精度；  
High rigidity integral linear guide, low friction, improve the injection precision.

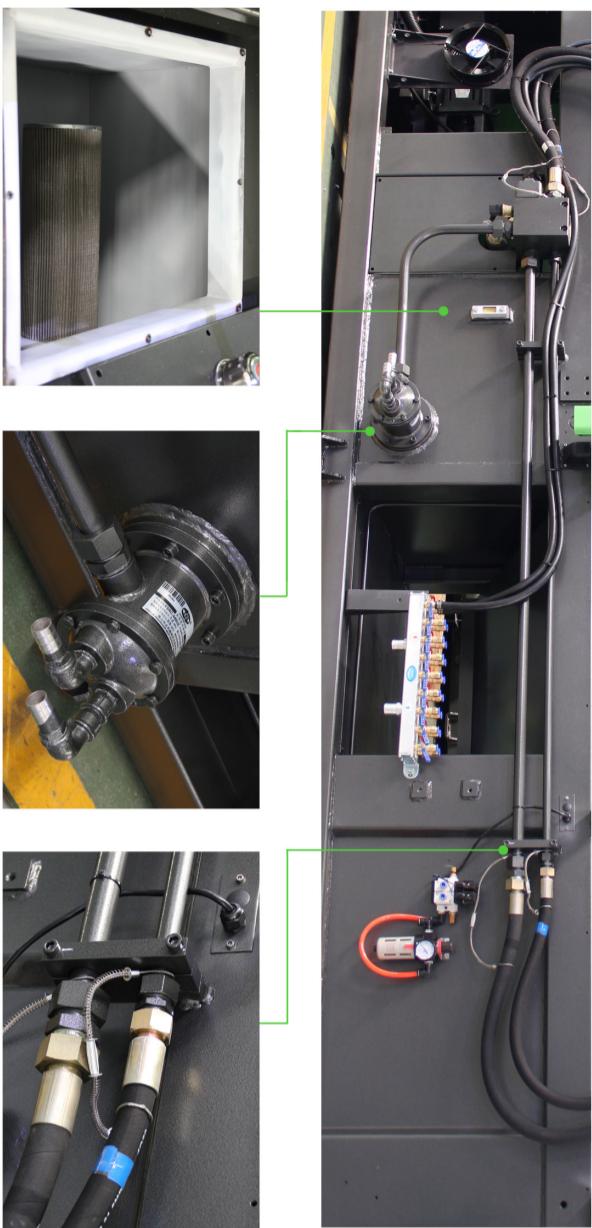
# KII 系列 液压系统 Hydraulic System

至佳组合配置的新一代伺服系统确保整机动力提升10%以上，稳定耐用、高效节能，具有惯量小、噪声低、动态响应快等特性；

The new generation servo system ensures that the power of the whole machine is increased by more than 10%, which is stable, durable, efficient and energy-saving, with the characteristics of small inertia, low noise and fast dynamic response.



低冲击油路设计，管路布局合理整齐，大大降低油路损耗。  
Oil circuit consists of standard components, improving the reliability of hydraulic system.



采用数控背压，更方便调整熔胶比例。  
It is more convenient to adjust the ratio of melting  
by using digital control back pressure.



高刚性抗冲击机架搭配独立电箱，美观大方、操作舒适；  
电箱等部件既考虑了安全性，又兼顾了操作和维护的便利性。  
High rigidity anti-impact frame with independent electric box, beautiful and  
comfortable operation; The electric box and other components not only  
consider the safety, but also consider the convenience of operation  
and maintenance

## 控制系统 Control System

人性化的电脑控制系统功能强大、速度快、控制精准、操作简便，程序可满足多种工艺需求。

User-friendly control system, powerful, fast, precise control, easy to operate, the program can meet various process needs.



- 更合理的电路布局，提高抗干扰能力及稳定性；
- 预留联网管理系统接口，方便生产管理；
- 软件功能更强大，扩展性能好；
- 优化的控制系统，实现节能，提高响应；
- More reasonable electric circuit layout, improving anti-interference ability and stability.
- Central (network) management system interface, easy for production management.
- More powerful software, high scalability.
- Optimized control system, energy saving and high response.

**KII 系列** **参数表**  
Parameter

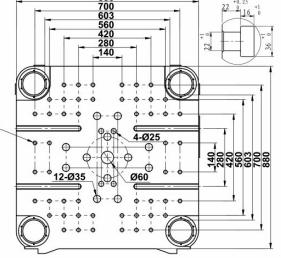
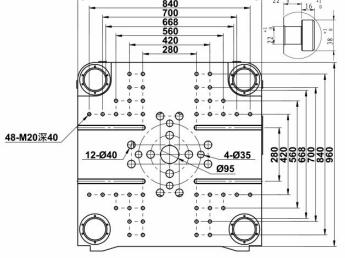
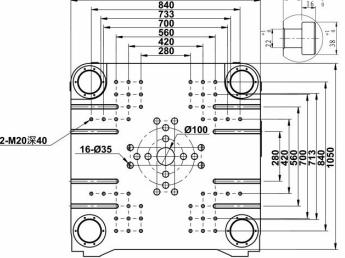
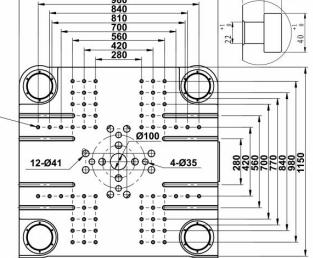
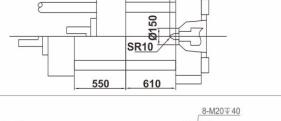
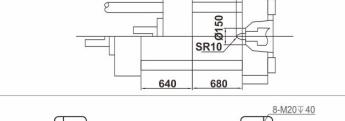
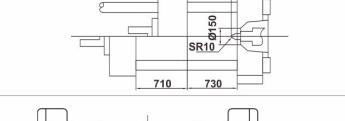
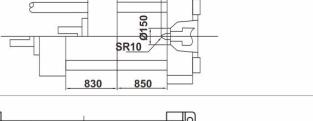
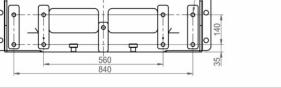
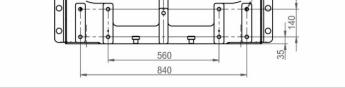
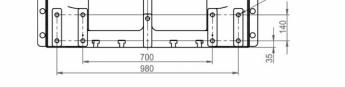
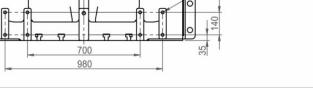
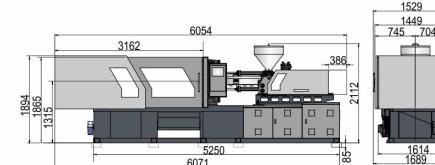
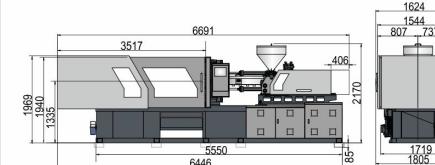
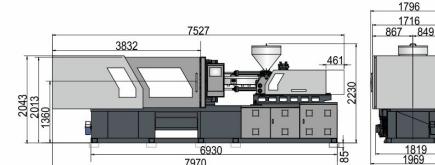
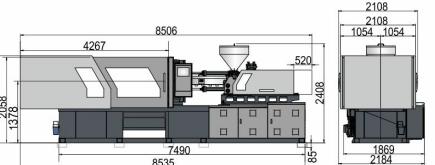
备注:本公司根据产品提升的需要 可对技术参数、部分元器件配置及服务内容进行更改。恕不另行通知。  
Remarks: According to upgrading of machine, we will change technical parameters, configuration of some parts and service's items without further notice.

说明 International公认型号	DESCRIPTION International size rating	单位UNIT	KII90-V7/S7		KII128-V7/S7		KII160-V7/S7		KII200-V7/S7		KII250-V7/S7		
			CLAMPING UNIT	900-285	1280-420	1600-600	2000-930	2500-1250					
<b>锁模单元</b>													
锁模力	Clamping force	kN	900	1280	1600	2000	2500						
开模行程	Opening stroke	mm	320	360	440	490	540						
模板最大开距	Max. daylight	mm	680	810	960	1040	1120						
模板外形尺寸	Platen size	mm	540×540	610×610	686×686	793×793	871×871						
导柱内距	Space between bars	mm	360×360	410×410	470×470	530×530	580×580						
最大模厚	Max. mold height	mm	360	450	520	550	580						
最小模厚	Min. mold height	mm	130	145	160	180	220						
顶针行程	Ejector stroke	mm	100	120	140	150	150						
顶出力	Ejector force	kN	34	42	49	65	77						
顶针数	Ejector number	PCG	1+4	1+4	1+4	1+4	1+4						
<b>注射单元</b>													
螺杆直径	Screw diameter	mm	30	35	40	45	42	46	52	55	60		
螺杆长径比	Screw L/D ratio	L/D	20.7	20.5	18	23	20	18.2	23	20.5	18		
注射压力	Injection pressure	Mpa	253	186	142	243	197	156	213	177	139		
理论注射容积	Shot volume	cm <sup>3</sup>	113	154	201	173	214	270	284	341	435		
实际注射量 (PS)	Shot weight(PS)	g	103	140	183	157	194	246	253	303	388		
注射速率 (PS)	Injection rate	g/s	3.6	4.9	6.4	5.5	6.8	8.7	8.9	10.7	13.7		
塑化能力 (PS)	Plasticizing capacity	g/s	80	108	142	104	128	162	141	169	216		
螺杆行程	Screw stroke	mm	160	170	170	19	25	30	28	36	46		
螺杆转速	Screw speed	rpm	253	271	299	336	308	340	386	340	386		
射移行程	Carriage stroke	mm	275	336	308	308	340	386					
<b>动力/电热</b>													
油压系统压力	Hydraulic system pressure	Mpa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5		
油泵电机功率	Pump motor power	kW	11 / 14.1	15 / 16.1	18.5 / 21.8	22 / 30.8	22 / 30.8	22 / 40.1					
加热功率	Heater power	kW	6.52	8.32	9.89	10.91	10.91	16.02					
温度控制区数	Number of temp control zones	PCG	1+3	1+3	1+3	1+3	1+3	1+4					
<b>其他</b>													
油箱容量	Oil tank capacity	L	150	190	225	300	300	320					
理论机重	Machine weight	T	3.5	3.8	5	6.4	6.4	7.6					
外形尺寸	Machine dimensions	m	4.1×1.2×1.5	4.4×1.4×1.6	5.0×1.5×1.7	5.3×1.6×1.8	5.8×1.7×1.9						
<b>模板正面尺寸</b>													
模板正面尺寸	Platen dimensions												
<b>机械手安装孔尺寸</b>													
机械手安装孔尺寸	Mechanical installation hole size												
<b>外形尺寸</b>													
外形尺寸	Machine dimensions												



**参数表**  
Parameter

备注:本公司根据产品提升的需要,可对技术参数、部份元件配置及服务内容进行更改,恕不另行通知。  
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说明	DESCRIPTION	单位	UNIT	KII288-V7/S7	2880-1500	KII330-V7/S7	3300-2050	KII400-V7/S7	4000-2500	KII500-V7/S7	5000-3600
国际公认型号	International size rating				2880-1500		3300-2050		4000-2500		5000-3600
<b>锁模单元</b>	<b>CLAMPING UNIT</b>										
锁模力	Clamping force	kN		2880		3300		4000		5000	
开模行程	Opening stroke	mm		550		640		710		830	
模板最大开距	Max.daylight	mm		1160		1320		1440		1680	
模板外形尺寸	Platen size	mm		905×905		980×980		1080×1060		1230×1190	
导柱内距	Space between bars	mm		610×610		670×670		740×720		820×780	
最大模厚	Max.mold height	mm		610		680		730		850	
最小模厚	Min.mold height	mm		280		250		300		300	
顶针行程	Ejector stroke	mm		150		180		210		220	
顶出力	Ejector force	kN		77		77		110		135	
顶针数	Ejector number	PCS		1+12		1+12		1+12		1+12	
<b>注射单元</b>	<b>INJECTION UNIT</b>			is1500		is2050		is2500		is3600	
螺杆直径	Screw diameter	mm		52	60	68	60	68	75	83	90
螺杆长径比	Screw L/D ratio	L/D		21	21	19	21	20.6	19	19	19
注射压力	Injection pressure	MPa		248	186	145	233	182	149	208	171
理论注射容积	Shot volume	cm³		595	792	1017	877	1126	1370	1198	1458
实际注射量(PS)	Shot weight(PS)	g		540	719	924	796	1023	1244	1088	1324
		oz		19.1	25.4	32.6	28.1	36.1	43.9	38.4	46.7
注射速率(PS)	Injection rate	g/s		227	303	389	270	346	421	367	446
塑化能力(PS)	Plasticizing capacity	g/s		38	51	62	42	52	61	47	69
螺杆行程	Screw stroke	mm		280		310			330		390
螺杆转速	Screw speed	rpm		236		193			160		164
射移行程	Carriage stroke	mm		386		406			461		520
<b>动力/电热</b>	<b>POWER UNIT</b>										
油压系统压力	Hydraulic system pressure	MPa		17.5		17.5		17.5		17.5	
油泵电机功率	Pump motor power	kW		30 / 53.3		37 / 53.3		45 / 57		55 / 25.1 + 30.8	
加热功率	Heater power	kW		17.22		20.85		27.6		33.35	
温度控制区数	Number of temp control zones	PCS		1+4		1+4		1+4		1+5	
<b>其他</b>	<b>GENERAL</b>										
油箱容量	Oil tank capacity	L		400		440		520		810	
理论机重	Machine weight	T		8.5		9.7		13.1		17	
外形尺寸	Machine dimensions	m		6.1×1.7×1.9		6.5×1.8×2.0		8.0×2.0×2.0		8.5×2.2×2.1	
模板正面尺寸	Platen dimensions										
模板侧面尺寸	Platen dimensions										
机械手安装孔尺寸	Mechanical installation hole size										
外形尺寸	Machine dimensions										



**参数表**  
Parameter

备注:本公司根据产品提升的需要,可对技术参数、部份元件配置及服务内容进行更改,恕不另行通知。  
Remarks: According to upgrading of machine, we will change technical parameters, configuration of some parts and service's items without further notice.

说明	DESCRIPTION	单位	KII560-V7/S7	KII680-V7/S7	KII850-V7/S7	KII1000-V7/S7
国际公认型号	International size rating		5600-4000	6800-5200	8500-6800	10000-8300
<b>锁模单元</b>	<b>CLAMPING UNIT</b>					
锁模力	Clamping force	kN	5600	6800	8500	10000
开模行程	Opening stroke	mm	860	930	1030	1150
模板最大开距	Max.daylight	mm	1740	1870	2080	2350
模板外形尺寸	Platen size	mm	1230×1230	1400×1400	1550×1550	1690×1690
导柱内距	Space between bars	mm	860×860	940×940	1040×1040	1160×1160
最大模厚	Max.mold height	mm	880	940	1050	1200
最小模厚	Min.mold height	mm	300	350	380	500
顶针行程	Ejector stroke	mm	240	280	280	350
顶出力	Ejector force	kN	135	184	184	290
顶针数	Ejector number	PCS	1+16	1+20	1+20	1+20
<b>注射单元</b>	<b>INJECTION UNIT</b>		is4000	is5200	is6800	is8300
螺杆直径	Screw diameter	mm	75 83 90 100	85 90 100	90 100 110	100 110 120
螺杆长径比	Screw L/D ratio	L/D	21 21.8 20 19	23.5 22.4 20	23.6 21 19.3	23 21 19.2
注射压力	Injection pressure	MPa	211 172 147 119	202 180 146	227 184 152	205 169 142
理论注射容积	Shot volume	cm³	1922 2354 2767 3416	2554 2863 3534	2990 3691 4467	4084 4942 5881
实际注射量(PS)	Shot weight(PS)	g	1711 2096 2464 3042	2279 2555 3154	2669 3295 3986	3645 4410 5249
		oz	60.5 74.1 87.1 107.6	80.4 90.1 111.3	94.1 116.2 140.6	128.6 155.6 185.1
注射速率(PS)	Injection rate	g/s	412 504 593 732	539 604 746	584 721 872	763 923 1099
塑化能力(PS)	Plasticizing capacity	g/s	61 73 86 106	92 102 125	106 130 153	117 140 162
螺杆行程	Screw stroke	mm	435	450	470	520
螺杆转速	Screw speed	rpm	164	171	159	136
射移行程	Carriage stroke	mm	520	520	650	700
<b>动力/电热</b>	<b>POWER UNIT</b>					
油压系统压力	Hydraulic system pressure	MPa	17.5	17.5	17.5	17.5
油泵电机功率	Pump motor power	kW	55 / 25.1 + 30.8	37 + 37 / 30.8 + 40.1	55 + 37 / 53.3 + 40.1	37 + 37 + 37 / 53.3 + 53.3
加热功率	Heater power	kW	33.35	39.25	41.6	49.5
温度控制区数	Number of temp control zones	PCS	1+5	1+5	1+5	1+8
<b>其他</b>	<b>GENERAL</b>					
油箱容量	Oil tank capacity	L	810	1000	1100	1200
理论机重	Machine weight	T	23	26	35	50
外形尺寸	Machine dimensions	m	8.4×2.3×2.1	9.6×2.4×2.1	10.4×2.4×2.2	11.4×2.7×2.3
模板正面尺寸 Platen dimensions						
模板侧面尺寸 Platen dimensions						
机械手安装孔尺寸 Mechanical installation hole size						
外形尺寸 Machine dimensions						

# KII Series Equipment Configuration

序号	名称	锁模部分	国内版	国际版
A1	精密电子尺控制锁模/顶出行程,剪板行程	●	●	●
A2	锁模大板及射胶大板及机架采用QT500-7A	●	●	●
A3	欧元式8孔机械手接口安装螺纹孔	●	●	●
A4	液压驱动齿轮调模装置	●	●	●
A5	机械、电气双重保护	●	●	●
A6	移动模板耐磨钢带轨道	●	●	●
A7	自动集中容积式润滑系统	●	●	●
A8	多种顶出功能可选	●	●	●
A9	低压制模保护功能	●	●	●
A10	T型槽、码模孔复合模板	○	○	○
A11	自动调模功能	●	●	●
A12	锁模力按需自动调整功能	●	●	●
A13	顶出强制复位功能	●	●	●
A14	机门边加装防夹缓冲条设计	●	●	●
A15	锁模板四周全封闭防护(高度2米内加活动盖板)	●	●	●
A16	免调节式机械安全锁撞杆	●	●	●
A17	特殊模具安装孔	○	○	○
A18	吊装架(2000kN以下机型)	○	○	○
A19	加模具隔热板	○	○	○
A20	加大顶出力、加大顶出行程	○	○	○
A21	加大答模量	○	○	○
A22	磁力撞板	○	○	○
A23	顶模抽芯功能	●	●	●
A24	锁模自动润滑泵集中加润滑油脂(6800kN以上机型)	●	●	●
A25	锁模自动润滑泵集中加润滑油脂(6800kN以下机型)	○	○	○
A26	锁模手动润滑泵集中加润滑油脂(手动调模、二板处)	○	○	○
A27	差式标准模孔及顶出孔(无T型槽)	/	(美标选配)	
A28	更换头板模具定位环	○	○	○
A29	增加二板模具定位环	○	○	○
A30	机架与活动门间防护挡板	○	○	○
A31	落料斗国际安全挡板	○	●	●
<b>注射部分</b>				
B1	双缸平衡注射系统	●	●	●
B2	低速大扭矩液压马达	●	●	●
B3	氮气合流钢螺杆料筒	●	●	●
B4	下料口冷却装置	●	●	●
B5	射嘴及料管多段PID温度控制	●	●	●
B6	双对射移轴	●	●	●
B7	全封闭式保温罩	●	●	●
B8	螺杆防逆料斗装置(900-3300kN机型)	●	●	●
B9	自动清料功能	●	●	●
B10	熔胶前、后料斗可选	●	●	●
B11	移动或活动料斗装置(900-3300kN机型)	●	●	●
B12	螺杆转速检测	●	●	●
B13	陶瓷发热圈(6800kN及以上机型)	●	●	●
B14	陶瓷发热线圈(6800kN以下机型)	●	●	●
B15	熔胶马达壳体泄油回路采用黑色橡胶管	●	●	●
B16	高速低扭矩液冷马达	●	●	●
B17	专用料管组(电镀、双合金、PC、PMMA、PBT、PA等)	●	●	●
B18	料筒风冷冷却装置	●	●	●
B19	弹簧自锁射嘴	●	●	●
B20	加大注塑行程或加大(减少)一级射胶机构	●	●	●
B21	旋转射台(6800kN及以上机型)	●	●	●
B22	红外发热圈	●	●	●
B23	射移电子尺	●	●	●
B24	射合手动润滑泵集中加润滑油脂(4000kN及以上机型)	●	●	●
B25	射合手动润滑泵集中加润滑油脂(4000kN以下机型)	●	●	●
B26	不绣钢上料斗	●	●	●
B27	料斗滑轨(4000kN及以上机型)	●	●	●
B28	料斗滑轨(4000kN以下机型)	●	●	●
B29	下料口防护装置	○	○	○
C1	第三代伺服系统	●	●	●
C2	高精度实时旁路滤油装置	●	●	●
C3	低噪音节能型液压回路	●	●	●
C4	进口名牌液压控制阀	●	●	●
C5	进口名牌液压密封件	●	●	●
C6	差动快换合模油路	●	●	●
C7	内置式冷却器(3000kN以下机型)	●	●	●
C8	开模刹车油路设计(开模销钉)	●	●	●
C9	油温自动检测及低温报警	●	●	●
C10	外露高压油管配防爆链	●	●	●
C11	全机标配—组带油芯(5000kN以上机型两组)	●	●	●
C12	多组运水装置及配快速插头	●	●	●
C13	熔胶比例背压控制	●	●	●
C14	变量泵系统	○	○	○

序号	名称	锁模部分	国内版	国际版
C15	加大多级油泵、电机	○	○	○
C16	加大多级溢胶马达	○	○	○
C17	同步顶出、抽芯、熔胶系统	○	○	○
C18	高喷应蓄能伺服注射系统	○	○	○
C19	多组抽芯装置	○	○	○
C20	加装液压旋转脱模装置	○	○	○
C21	玻璃管冷却流量计	○	○	○
C22	油温电控水阀	○	○	○
C23	下料口电控水阀	○	○	○
C24	增加液压油位置传感器	○	○	○
C25	带位置反馈液压安全阀	○	●	●
C26	液压安全凸轮阀(3300kN以上机型)	●	/	
<b>控制系统</b>				
D1	料筒加热强制保护	●	●	●
D2	输入、输出检视画面	●	●	●
D3	自动保温及自动加热设置功能	●	●	●
D4	射胶转速方式：时间/位置/时间+位置	●	●	●
D5	12寸TFT真彩LCD显示屏(3300kN及以上机型)	●	●	●
D6	8寸TFT真彩LCD显示屏(16A三相插座以下机型)	●	●	●
D7	200个参数存储空间，USB存储接口	●	●	●
D8	多种操作语言	●	●	●
D9	可设置多级密码保护，操作面板带锁定钥匙	●	●	●
D10	前后机门急停开关保护	●	●	●
D11	质量数据通过程序控制界面	●	●	●
D12	生产统计控制(SPC)实时界面	●	●	●
D13	预留吹风、抽芯回保护等多种接口(有软件，无硬件)	●	●	●
D14	抽芯回程针阀(6800kN以下机型)	●	●	●
D15	热流道模针阀控制(有软件，无硬件)	●	/	(American standard)
D16	内侧模手电镀接口(有软件，无硬件)	●	●	●
D17	SPU2机械手电气接口	●	/	(American standard)
D18	欧元式6孔机械手电气接口	●	/	(American standard)
D19	电动安全门(6800kN及以上机型)	●	●	●
D20	电动安全门(6800kN以下机型)	●	●	●
D21	双色报警灯	●	●	●
D22	热流道接口	●	●	●
D23	气动顺序阀	●	●	●
D24	电动旋转模接口	●	●	●
D25	更改电源电压	●	●	●
D26	一组吹气带阀装置	●	●	●
D27	多组吹气带阀装置	●	●	●
D28	气瓶注射装置	●	●	●
D29	中央联网监控系统	●	●	●
D30	前机门内光栅保护(6800kN及以上机型)	●	●	●
D31	电器整体能耗显示	●	●	●
D32	增加电度表	●	●	●
D33	电热圈加装固态继电器	●	●	●
D34	欧洲品牌电脑系统	●	●	●
D35	气缸直接温度控制	●	●	●
D36	后安全门操作需客户承诺安全责任	●	●	●
D37	前安全门关闭到位上屏确认	●	●	●
D38	NR12认证增加配置其余安全电器模块及相关电气元件※	●	●	●
D39	电磁房里的国际单位为英制单位	●	/	(American standard)
D40	前后活动门加装安全开关	●	●	●
D41	接线端子按美标工艺要求	●	●	●
D42	总开关增加旋转手柄(4000kN及以上机型)★	●	●	●
D43	前开关增加旋转手柄(4000kN以下机型)★	●	●	●
D44	抽芯系统根据改版13	●	●	●
D45	总空气开关标注(4000kN以下机型)	●	●	●
D46	欧式接线端子	●	/	
D47	前后安全门配一件安全继电器模块	●	●	●
D48	电热点控制配交流接触器	●	●	●
D49	强制断开功能的行程开关(前后安全门及射嘴保护)	●	/	
D50	隔离开关器	●	●	●
D51	工业连接器单独开关控制	●	●	●
<b>其它部份</b>				
E1	中文说明书	●	/	/
E2	英文说明书	●	/	/
E3	避震脚	●	●	●
E4	工具箱及工具一套，精密滤芯一件	●	●	●
E5	码模夹(朱氏)	●	●	●
E6	射嘴专用扳手	●	●	●
E7	液压油	●	/	
E8	干燥机	●	●	●
E9	自动送料机	●	●	●
E10	加长100mm射嘴	●	●	●

备注：1. ●表示该功能标配；○表示该功能选配；\*表示该功能不可选；※代表NR12强制增加项目  
 增加项目：★代表KGS强制增加项目。2. 标配页与选配页描述为统一内容的均二进一  
 C14 变量泵系统

No.	Name	Clamping Unit	China	International
C15	Upgrading pump sizes for enlargement discharge	○	○	○
C16	Upgrading plasticizing motor sizes	○	○	○
C17	Synchronous injection, core pulling, and plasticizing	○	○	○
C18	High response accumulator and servo injection system	○	○	○
C19	Muli-set core pull device	○	○	○
C20	Hydraulic rotary unscrewing device	○	○	○
C21	Glass tube cooling flowmeter	○	○	○
C22	Oil temperature electrical controlled water valve	○	○	○
C23				