

缔造中国一流的  
高性能注塑机制造商！

TO BE THE NATIONAL TOP MANUFACTURER  
OF HIGH-PERFORMANCE PLASTICS INJECTION MOLDING MACHINES!



SERIES  
海雄SP系列注塑机



NINGBO BEILUN HIGHSUN MACHINERY CO., LTD.

Add: No.36 Yongjiang Road, Beilun District, Ningbo, China  
Tel: 86-574-86961055; +86-574-86961178  
E-mail: haixiong@highsun-machinery.com  
Website: www.highsun-machinery.com

f Ningbo Beilun Highsun Machinery Co.Ltd.  
HIGHSUN HIGHSUN MACHINERY



宁波海雄塑料机械有限公司  
NINGBO HIGHSUN PLASTICS MACHINERY CO.,LTD.

# SP SERIES

## 海雄SP系列注塑机



- 优化设计的塑化部件,使机器的塑化能力、注射精度显著提升;螺杆传动采用花键联接,螺杆旋转时受力均匀;射移部分采用直线导轨导向,降低运动时的摩擦力。

The plasticizing parts with optimized design can improve the plasticizing ability and injection precision of the machine significantly; Screw transmission adopts the spline to connect and the force is uniform when the screw rotates, The moving part is guided by linear guide rail to reduce friction during movement.

- 优化设计的五支点内卷式锁模部件,具有压中心的模板结构,既使锁模力直接作用于模具上,又避免了外翻式结构在遇到长偏心模具时模板会产生倾斜的弊端,提高了制品的成型精度;具有更大的移模行程和较低的销轴接触应力。

The clamping parts with optimized design has a mold-plate structure with a pressing center, which makes the clamping force act on the moldplate directly and improves the forming accuracy of the product. And it has a larger moving mold-plate stroke as well as reduces the contact stress of the axis pin.

- 侧置式新型机械保险结构;斜楔式动模板滑脚结构。

Newly designed lateral mechanical safety structure; The feet slip structure of moving mold-plate is newly designed with oblique-wedge.

- 采用精密控制系统,机器运行稳定可靠,重复精度高,抗干扰性强,安全保护级别高。具有能耗监测功能。

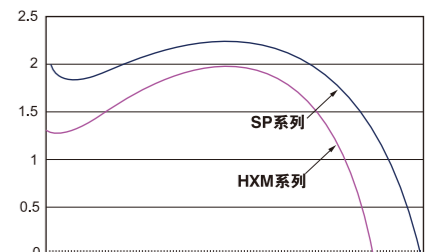
Adopt high-precision controller system, provide performance more stable, higher repetition precision, stronger anti-interference and higher level of security protection. Also standard with fuction of energyconsumption monitoring.

- 全新设计的五支点曲肘机构的运动曲线显示,动模板的运动具有速度更快更平稳、可控性更好的优点,使机器具有更短的干循环周期。

The movement curve of newly designed five-points double toggle structure shows that the movemen of movable mould-plate has advantages of being faster, more stable and better controllability, And also quicker cycle.

- 液压动力系统使用高响应、大扭矩、低惯量、低噪音的电机,配合改良后的螺杆泵,给客户带来无与伦比的高性能和低噪音感受,并在低压模具保护和振动脱模上有更加突出的表现。

Hydraulic power system uses the motors with high response, high power density, low inertia and low noise to bring unique feeling of high performance and low noise to customers with improved screw pump.





产品规格	SPECIFICATIONS	UNIT	SP200 / i810			SP260 / i1000			SP300 / i1620			SP350/ i2300			
注射装置	INJECTION UNIT		A	B	C	A	B	C	A	B	C	A	B	C	D
螺杆直径	Screw diameter	mm	45	50	55	50	55	60	55	60	65	60	65	70	75
螺杆长径比	Screw L/D ratio	L/D	22.2	20	20	22	20	20	21.8	20	20	21.6	20	20	18.6
理论注射容积	Injection capacity in theory	cm <sup>3</sup>	357	441	534	490	593	706	688	819	962	989	1161	1346	1546
注射重量	Injection weight(PS)	g	325	402	486	446	540	643	626	746	875	900	1056	1225	1407
注射压力	Injection pressure	MPa	229	186	153	236	194	163	239	201	171	233	198	171	149
注射速率	Injection velocity	g/s	199	245	297	233	282	336	254	303	355	312	367	425	488
塑化能力	Plasticizing capacity	g/s	22	28	35	28	37	44	33	41	49	35	43	52	62
螺杆转速	Screw speed	rpm		240			240			210				200	
合模装置	CLAMPING UNIT														
合模力	Clamping force	kN		2000			2600			3000			3500		
移动模板行程	Moving mould-plate stroke	mm		540			580			650			750		
最大模厚	Max.Mould height	mm		600			650			700			750		
最小模厚	Min.Mould height	mm		200			250			250			280		
拉杆有效间距	Space between tie-bars	mm		530 × 530			580 × 580			630 × 630			720 × 720		
液压顶出力	Hydraulic ejector force	kN		67			87			110			130		
液压顶出行程	Hydraulic ejector stroke	mm		150			160			160			180		
顶出点数	Ejector number	n		9			13			13			13		
其它	OTHER														
油泵压力	Pump pressure	MPa		17.5			17.5			17.5			17.5		
电机功率	Motor power	kW		30			38			38			47		
加热功率	Heating capacity	kW		18.65			22.10			26.9			29.3		
外形尺寸	Machine dimension	m		5.81 × 1.45 × 2.18			6.04 × 1.60 × 2.28			6.39 × 1.62 × 2.29			7.40 × 1.9 × 2.40		
机器重量	Machine wight	t		7.6			9.2			10.7			14.6		
油箱容积	Oil tank capacity	L		290			330			380			460		

模板正面尺寸 Platen Dimensions(frontal)				
模板侧面尺寸 Platen Dimensions(flank)				
外型尺寸 Machine Dimensions				

产品技术参数更改,恕不另行通知 Due to continual improvement,specificationms are subject to change without notification