

01

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.

02

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，即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 mold-plate 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.

03

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.

04

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 energy consumption monitoring.

05

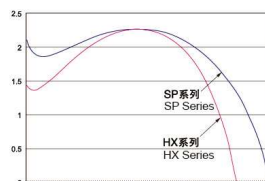
全新设计的五支点曲肘机构的运动曲线显示，动模板的运动具有速度更快、更平稳、可控性更好的优点。使机器具有更短的干循环周期。

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.

06

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.



5



SPECIFICATIONS

产品规格

SP Series

2019.05版 海雄SP系列

			SP100 / i180			SP100 / i390			SP130 / i180			SP130 / i520			SP160/i650			SP200/i810			SP250/i1000			SP300/i1620		
注射单元	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
螺杆直径	Screw diameter	mm	22	25	28	32	36	40	22	25	28	36	40	45	40	45	50	45	50	55	50	55	60	55	60	65
螺杆长径比	Screw L/D ratio	L/D	21	21	21	23.6	21	18.9	21	21	21	23.3	21	18.6	22.5	20	18	22.2	20	18.2	22	20	18.3	21.8	20	18.5
理论注射容积	Injection capacity in theory	cm³	41	53	67	144	183	226	41	53	67	203	251	318	282	357	441	357	441	534	490	593	706	688	819	962
注射重量	Injection weight(PS)	g	38	49	61	131	167	206	38	49	61	185	228	289	257	325	402	325	402	486	446	540	643	626	746	875
注射压力	Injection pressure	MPa	439	340	271	239	189	153	439	340	271	230	186	147	234	185	150	229	186	153	236	194	163	239	201	171
注射速率	Injection velocity	g/s	48	63	79	71	90	111	48	63	79	94	116	147	130	164	203	167	206	249	204	247	294	232	276	324
塑化能力	Plasticizing capacity	g/s	3.2	4.6	6.3	9	12	16	3.2	4.6	6.3	12	18	24	12	17	22	20	24	31	24	31	40	31	38	45
螺杆转速	Screw speed	rpm	300			250			300			270			230			210			210			210		

合模单元	Clamping Unit																									
合模力	Clamping force	kN	1000						1300						1600			2000			2500			3000		
移动模板行程	Moving mould-plate stroke	mm	350						410						470			540			580			650		
最大模厚	Max.Mould height	mm	400						460						550			600			650			700		
最小模厚	Min.Mould height	mm	1500						150						180			200			250			250		
拉杆有效间距	Space between tie-bars	mm	360 x 360						420 x 420						470 x 470			530 x 530			580 x 580			630 x 630		
液压顶出力	Hydraulic ejector force	kN	49						49						67			67			87			87		
液压顶出行程	Hydraulic ejector stroke	mm	120						120						150			150			160			160		
顶出点数	Ejector number	n	5						5						5			9			13			13		

其它	Other																									
油泵压力	Pump pressure	MPa	17.5				17.5				17.5				17.5				17.5				17.5			
驱动功率	Driving power	kW	15				15				15				18.5				22				30			
加热功率	Heating capacity	kW	7				10.5				7				10.95				12.95				13.55			
外形尺寸	Machine dimension	m	4.16 x 1.18 x 1.78				4.23 x 1.18 x 1.81				4.46 x 1.25 x 1.93				4.53 x 1.25 x 1.95				5.06 x 1.28 x 1.98				5.39 x 1.34 x 2.13			
机器重量	Machine weight	t	3.1				3.3				3.8				4				5.1				7.4			
油箱容积	Oil tank capacity	L	235				235				253				253				270				280			

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产品规格

SP Series

2019.05版 海雄SP系列

			SP160PET	SP200PET	SP250PET	SP300PET	SP350PET	SP400PET	SP470PET
注射单元	Injection Unit								
螺杆直径	Screw diameter	mm	60	65	70	75	85	95	105
螺杆长径比	Screw L/D ratio	L/D	24	24	24	24	24	24	24
理论注射容积	Injection capacity in theory	cm ³	706	962	1232	1502	2099	2977	3809
注射重量	Injection weight(PET)	g	820	1115	1429	1742	2434	3453	4418
注射压力	Injection pressure	MPa	163	171	176	149	162	154	147
注射速率	Injection velocity	g/s	374	413	396	520	716	905	1053
塑化能力	Plasticizing capacity	g/s	49	55	66	54	79	85	101
螺杆转速	Screw speed	rpm	170	160	160	130	150	135	110
合模单元	Clamping Unit								
合模力	Clamping force	kN	1600	2000	2500	3000	3500	4000	4700
移动模板行程	Moving mould-plate stroke	mm	470	540	580	650	660	700	780
最大模厚	Max.Mould height	mm	530	560	600	650	750	800	820
最小模厚	Min.Mould height	mm	180	200	250	250	250	280	300
拉杆有效间距	Space between tie-bars	mm	470 x 470	530 x 530	580 x 580	630 x 630	720 x 670	770 x 720	820 x 770
液压顶出力	Hydraulic ejector force	kN	87	99	99	111	197	197	197
液压顶出行程	Hydraulic ejector stroke	mm	150	150	160	160	180	180	200
顶出点数	Ejector number	n	5	9	13	13	13	13	13
其它	Other								
油泵压力	Pump pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5
驱动功率	Driving power	kW	30	37	37	37	30+23	37+37	37+37
加热功率	Heating capacity	kW	21	23	23	24.7	31.1	34	48
外形尺寸	Machine dimension	m	5.06 x 1.25 x 1.98	5.39 x 1.34 x 2.13	5.8 x 1.65 x 2.23	6.5 x 1.75 x 2.8	7.2 x 1.77 x 2.8	7.57 x 1.96 x 2.83	7.85 x 1.89 x 2.87
机器重量	Machine weight	t	5.2	7.6	9	10	12	15	18.5
油箱容积	Oil tank capacity	L	270	280	300	400	680	680	900

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SPECIFICATIONS

产品规格

SP Series

2019.05版

海雄SP系列

			SP160PVC	SP200PVC	SP250PVC	SP300PVC	SP350PVC	SP400PVC	SP470PVC	SP530PVC	SP630PVC
注射单元	Injection Unit										
螺杆直径	Screw diameter	mm	50	55	60	65	70	80	85	90	95
螺杆长径比	Screw L/D ratio	L/D	20	20	20	20	20	20	20	20	20
理论注射容积	Injection capacity in theory	cm ³	441	593	819	962	1308	1860	2099	2671	3118
注射重量	Injection weight(PVC)	g	530	712	984	1154	1569	2232	2518	3205	3741
注射压力	Injection pressure	MPa	186	194	201	171	171	183	162	172	180
注射速率	Injection velocity	g/s	271	247	363	427	469	656	740	840	891
塑化能力	Plasticizing capacity	g/s	31	40	50	59	57	78	90	99	109
螺杆转速	Screw speed	rpm	210	210	210	210	160	160	160	160	150
合模单元	Clamping Unit										
合模力	Clamping force	kN	1600	2000	2500	3000	3500	4000	4700	5300	6300
移动模板行程	Moving mould-plate stroke	mm	470	540	580	650	660	700	780	830	870
最大模厚	Max.Mould height	mm	530	560	600	650	750	800	820	830	900
最小模厚	Min.Mould height	mm	180	200	250	250	250	280	300	330	350
拉杆有效间距	Space between tie-bars	mm	470 x 470	530 x 530	580 x 580	630 x 630	720 x 670	770 x 720	820 x 770	860 x 810	900 x 850
液压顶出力	Hydraulic ejector force	kN	67	67	87	87	125	125	120	181	200
液压顶出行程	Hydraulic ejector stroke	mm	150	150	160	160	180	180	200	230	260
顶出点数	Ejector number	n	5	9	13	13	13	13	13	17	17
其它	Other										
油泵压力	Pump pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
驱动功率	Driving power	kW	18.5	22	30	37	37	30+30	30+30	37+37	37+37
加热功率	Heating capacity	kW	12.95	13.55	16.83	18.15	23	26	26	28	42
外形尺寸	Machine dimension	m	5.06 x 1.25 x 1.98	5.39 x 1.34 x 2.13	5.8 x 1.65 x 2.23	6.5 x 1.75 x 2.8	7.2 x 1.77 x 2.8	7.57 x 1.96 x 2.83	7.85 x 1.89 x 2.87	8.1 x 2.14 x 2.92	9.22 x 2.27 x 2.98
机器重量	Machine weight	t	5.2	7.6	8.8	9.6	11.5	14.5	16.5	20.5	29
油箱容积	Oil tank capacity	L	270	280	300	400	680	680	900	969	1156

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模板尺寸

2019.05版 海雄SP系列

模板正面尺寸	Platen Dimensions(frontal)					
模板侧面尺寸	Platen Dimensions(flank)					
		SP350PET SP350PVC	SP400PET SP400PVC	SP470PET SP470PVC	SP530PVC	SP630PVC

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