

BTW-KP

高效包装系列技术规格表

High efficient packaging series machine specification



CAT.NO.BST.2016.04



BTW-KP

高效包装系列

BTW-KP Efficient Packaging Series

BTW系列注塑机型号 BTW Series				BTW 1000-KP			BTW 1400-KP			BTW 1800-KP			BTW 2200-KP			BTW 2600-KP			BTW 3200-KP			BTW系列注塑机型号 BTW Series					
国际公认型号 International Size Description				250/290			370/410			540/590			1020			1020			1020			国际公认型号 International Size Description					
Plastic Injection Molding Machine Specification				A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	Plastic Injection Molding Machine Specification					
注射装置 INJECTION UNIT	螺杆直径	Screw Diameter	mm	30	35	40	35	40	45	40	45	50	45	50	55	45	50	55	45	50	55	mm	螺杆直径	Screw Diameter	注射装置 INJECTION UNIT		
	螺杆长径比	Screw Ratio	L/D	25	25	23	25	25	23	25	25	23	25	25	23	25	25	23	25	25	23	L/D	螺杆长径比	Screw Ratio			
	理论容量	Shot Volume	cm³	110	168	220	173	251	318	258	358	442	398	491	594	398	490	594	398	491	594	cm³	理论容量	Shot Volume			
	注射量	Shot Weight(PS)	g	100	153	200	158	229	289	234	326	402	362	447	541	362	447	541	362	447	541	g	注射量	Shot Weight(PS)			
			oz	3.5	5.4	7.1	5.6	8.1	10.2	8.3	11.5	14.2	12.8	15.8	19.1	12.8	15.8	19.1	12.8	15.8	19.1	oz					
	注射压力	Injection Pressure	Bar	2363	1736	1329	2143	1641	1296	2105	1664	1348	2583	2092	1729	2583	2092	1729	2583	2092	1729	Bar	注射压力	Injection Pressure			
	注射行程	Injection Stroke	mm	155	175	175	180	200	200	205	225	225	250	250	250	250	250	250	250	250	250	mm	注射行程	Injection Stroke			
	TypeI	注射最大速度	Injection Speed	mm/s	225			234			234			272			272			272			mm/s	注射最大速度		Injection Speed	
		注射速率	Injection Rate	cm³/s	159	217	283	226	295	373	295	373	461	433	534	646	433	534	646	433	534	646	cm³/s	注射速率		Injection Rate	
		塑化能力	Plasticizing Rate(PS)	g/s	11	15	22	15	23	33	24	36	48	22	32	39	22	32	39	22	32	39	g/s	塑化能力		Plasticizing Rate(PS)	
	TypeII	螺杆最大转速	Max. Screw Speed	rpm	265			268			287			210			210			210			rpm	螺杆最大转速		Max. Screw Speed	
		注射最大速度	Injection Speed	mm/s	335			344			344			/			/			/			mm/s	注射最大速度		Injection Speed	
		注射速率	Injection Rate	cm³/s	237	323	422	332	433	549	433	548	677	/	/	/	/	/	/	/	/	/	cm³/s	注射速率		Injection Rate	
		塑化能力	Plasticizing Rate(PS)	g/s	13	17	25	17	25	37	25	37	50	/	/	/	/	/	/	/	/	/	g/s	塑化能力		Plasticizing Rate(PS)	
* 螺杆最大转速		Max. Screw Speed	rpm	300			300			300			/			/			/			rpm	螺杆最大转速	Max. Screw Speed	*		
动力/电热 POWER UNIT	油压系统压力	System pressure	Bar	190			190			190			190			190			190			Bar	油压系统压力	System pressure	动力/电热 POWER UNIT		
	油泵电机功率	Pump Motor	TypeI	KW	15			18.5			30			55			55			55			KW	TypeI		油泵电机功率	Pump Motor
		TypeII *	22			30			37			/			/			/									
	电热功率	Heating Capacity	KW	6.9	8.1	10.0	8.1	10.0	11.2	11.3	13.1	14.3	14.3	15.9	22.1	14.3	15.9	22.1	14.3	15.9	22.1	KW	电热功率	Heating Capacity			
合模装置 CLAMPING UNIT	温控段数	Number of Temp Zones	Unit	N+3			N+3			N+3			N+4			N+4			N+4			Unit	温控段数	Number of Temp Zones	合模装置 CLAMPING UNIT		
	合模力	Clamping Force	KN	1000			1400			1800			2200			2600			3200			KN	合模力	Clamping Force			
	移模行程	Opening Stroke	mm	330			380			445			490			540			610			mm	移模行程	Opening Stroke			
	拉杆间距	Space Between Tie Bars	mm	360X360			410X410			470X470			530X530			580X580			660X660			mm	拉杆间距	Space Between Tie Bars			
	最大模厚	Max. Mould Height	mm	380			450			520			550			600			680			mm	最大模厚	Max. Mould Height			
	最小模厚	Min. Mould Height	mm	150			150			180			200			220			250			mm	最小模厚	Min. Mould Height			
	顶出行程	Ejector Stroke	mm	100			120			140			150			150			180			mm	顶出行程	Ejector Stroke			
	顶出力	Ejector Force	KN	34			41			49			67			77			77			KN	顶出力	Ejector Force			
其他 GENERAL	顶出杆数	Number of Ejectors	Piece	5			5			5			9			9			13			Piece	顶出杆数	Number of Ejectors	其他 GENERAL		
	油箱容积	Oil Tank Capacity	L	175			200			300			400			500			600			L	油箱容积	Oil Tank Capacity			
	外形尺寸	Machine Dimensions (L×W×H)	m	4.11X1.28X1.6			4.63X1.36X1.73			5.13X1.5X1.82			5.57X1.69X1.97			6.2X1.7X1.98			7X1.96X2.3			m	外形尺寸	Machine Dimensions (L×W×H)			
	重量	Machine Weight	Kg	3500			4600			5300			7800			10000			13000			Kg	重量	Machine Weight			
	料斗容积	Hopper Capacity	Kg	25			25			25			50			50			50			Kg	料斗容积	Hopper Capacity			
	冷却水流量	Cooling Water Flow	L/min	39			70			70			114			141			193			L/min	冷却水流量	Cooling Water Flow			

Aboves marked with “*” are options 以上标注 “*” 号的为选配
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特点 Features

1 高生产效率 High efficiency

特别创新的复合油路，不是一般的提高生产效率。冷却结束，开模、锁模和顶出动作的时候，熔胶动作可以同时进行，为下步合模后的注射做好准备，提高效率的同时令产品质量更稳定。

短截有力的双缸射出系统和高精度线性导轨，确保射出动作平稳及定模板无变形，优化设计螺杆组件，达到更好的塑化能力和塑化效果。

Special innovative composite oil circuit increases the production efficiency in a special way. Plasticizing moves at the same time when mould opening, mould clamping and ejecting out movements after cooling time to preparing for next injection after mould clamping. That improves the efficiency and ensures more stable quality.

Thickset and powerful twin-cylinder injection system and high precise linear guide rail ensuring stable injection movement and no deformation in the fixed platen. Optimized screw and barrel helps to achieve better plasticizing capacity and plasticizing effect.



2 节约能源 Energy saving

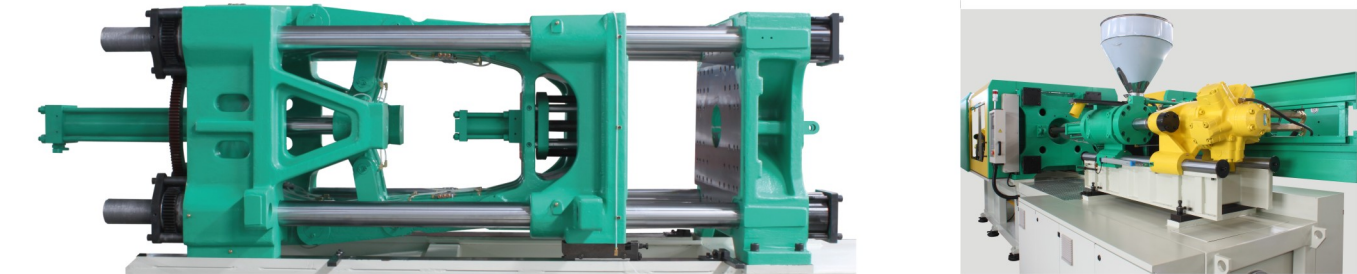
复合式新型节能动力设计，有效降低耗电。陶瓷发热圈，节约加热能耗，使加热过程更安全，加热速度更比普通电热加热快。

New type composite motive system is energy saving to reduce power consumption. Ceramic heaters saves heating energy, ensures safe heating process and fasters heating rate than ordinary electric heating.

3 高速稳定 High speed and stability

- 射速200mm/s,300mm/s可选；高刚性机械设计，满足机械快速运动需求。
- 标配五组吹气，专为快速生产量身定制。
- 创新设计成就更佳塑化效果，使生产料温超低，节能环保；产品韧性高，不发脆。

- Optional injection speed 200mm/s or 300mm/s. Machine high rigidity mould platen meets the mechanical requirements for fast speed.
- Standard machine with 5circuit air blast customized design for fast injection molding.
- New design of machine makes material temperature stay in low degree so that plasticizing is better, machines are more energy saving and products has better flexibility.



*客户可选择节能复合变量泵高响应油路或双伺服泵控高响应油路, 不同类型动力驱动，满足不同客户要求。

*Composite energy saving variable pump high response oil circuit and double servo high response oil circuit is optional. Different types of motive system can meet different customers' requirements.

BTW-KPS
高效包装系列技术规格表
High efficient packaging series
machine specification



BTW系列注塑机型号				BTW Series			BTW 1000-KPS			BTW 1400-KPS			BTW 1800-KPS			BTW 2200-KPS			BTW 2600-KPS			BTW 3200-KPS			BTW 3800-KPS			BTW 4500-KPS		
国际公认型号				International Size Description			250/290			370/410			540/590			940			940			940			2400			3470		
Plastic Injection Molding Machine Specification				A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C			
注射装置 INJECTION UNIT	螺杆直径 Screw Diameter			mm	30	35	40	35	40	45	40	45	50	45	50	55	45	50	55	45	50	55	60	70	80	70	80	90		
	螺杆长径比 Screw Ratio			L/D	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	23	23	25	23	23		
	理论容量 Shot Volume			cm³	110	168	220	173	251	318	258	358	442	398	491	594	398	491	594	398	491	594	990	1347	1759	1539	2011	2545		
	注射量 Shot Weight(PS)			g	100	153	200	158	229	289	234	326	402	362	447	541	362	447	541	362	447	541	901	1226	1601	1401	1830	2316		
				oz	3.5	5.4	7.1	5.6	8.1	10.2	8.3	11.5	14.2	12.8	15.8	19.1	12.8	15.8	19.1	12.8	15.8	19.1	31.8	43.2	56.5	49.4	64.5	81.7		
	注射压力 Injection Pressure			Bar	2363	1736	1329	2143	1641	1296	2105	1664	1348	2379	1927	1593	2379	1927	1593	2379	1927	1593	2431	1786	1367	2259	1729	1367		
	注射行程 Injection Stroke			mm	155	175	175	180	200	200	205	225	225	250	250	250	250	250	250	250	250	250	350	350	350	400	400	400		
	TypeI	注射最大速度 Injection Speed			mm/s	250			253			246			259			259			259			174			171			
		注射速率 Injection Rate			cm³/s	177	241	314	244	318	403	310	393	485	412	509	615	412	509	615	412	509	615	495	673	880	661	864	1093	
		塑化能力 Plasticizing Rate(PS)			g/s	13	17	25	16	24	36	24	36	48	25	36	44	25	36	44	25	36	44	42	57	88	48	74	98	
		螺杆最大转速 Max. Screw Speed			rpm	292			288			287			240			240			240			150			127			
		TypeII	注射最大速度 Injection Speed			mm/s	312			342			322			324			364			385			217			/		
	注射速率 Injection Rate			cm³/s	221	301	393	329	430	544	406	514	634	515	636	769	579	715	865	615	836	1092	615	836	1092	/	/	/		
	塑化能力 Plasticizing Rate(PS)			g/s	13	17	25	17	25	37	25	37	50	32	45	55	32	45	55	52	71	109	52	71	109	/	/	/		
	螺杆最大转速 Max. Screw Speed			rpm	300			300			300			230			300			288			187			/				
动力/电热 POWER UNIT	油压系统压力 System pressure			Bar	175			175			175			175			175			175			175			175				
	油泵电机功率 Pump Motor			TypeI	KW	12+12			18.2+18.2			21.5+21.5			29+29			29+29			29+29			36.7+36.7			45.2+45.2			
				TypeII *		18. 2+18. 2			21. 5+23			23+29			36.7+36.7			36.7+45.2			45.2+45.2			56+56			/			
	电热功率 Heating Capacity			KW	6.9	8.1	10.0	8.1	10.0	11.2	11.3	13.1	14.3	14.3	15.9	22.1	14.3	15.9	22.1	14.3	15.9	22.1	22.9	27.7	35.2	27.7	35.2	42.7		
温控段数 Number of Temp Zones			Unit	N+3			N+3			N+3			N+4			N+4			N+4			N+4			N+4					
合模装置 CLAMPING UNIT	合模力 Clamping Force			KN	1000			1400			1800			2200			2600			3200			3800			4500				
	移模行程 Opening Stroke			mm	330			380			445			490			540			610			680			735				
	拉杆间距 Space Between Tie Bars			mm	360X360			410X410			470X470			530x530			580X580			660X660			700X700			760X760				
	最大模厚 Max. Mould Height			mm	380			450			520			550			600			680			700			760				
	最小模厚 Min. Mould Height			mm	150			150			180			200			220			250			330			360				
	顶出行程 Ejector Stroke			mm	100			120			140			150			150			180			220			240				
	顶出力 Ejector Force			KN	34			41			49			67			77			77			67			111				
	顶出杆数 Number of Ejectors			Piece	5			5			5			9			9			13			13			13				
其他 GENERAL	油箱容积 Oil Tank Capacity			L	175			200			300			500			500			600			600			800				
	外形尺寸 Machine Dimensions(L×W×H)			m	4.11X1.28X1.6			4.63X1.36X1.73			5.13X1.5X1.82			5.5x1.67x1.85			6.6X1.85X1.95			7.0X1.96X2.3			7.72X2X2.13			8.15X2.1X2.1				
	重量 Machine Weight			Kg	3500			4600			5300			10.5			13.5			16.5			15000			23000				
	料斗容积 Hopper Capacity			Kg	25			25			25			50			50			50			50			50				
	冷却水流量 Cooling Water Flow			L/min	39			70			70			114			141			193			193			193				

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