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BOLE Customer Service Center



Injection Moulding Machine

High-speed Packaging Injection Moulding Application



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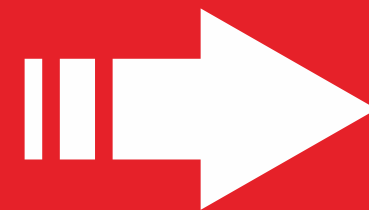
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As an innovation pioneer in the injection moulding machine market, our injection moulding technology accumulated according to different market needs and customer industry conditions will become your technical backup database during production.

We are responsible for the best production efficiency of our customers. All BOLE high-speed packaging injection moulding equipment have the concept of high efficiency and energy saving. BOLE can not only enhance product quality, reduce costs, and improve economic efficiency, but also protect corporate environmental resources.

BOLE HIGH-SPEED INJECTION MOULDING MACHINES



BOLE PACKAGING TECHNOLOGY

Advantages



Energy saving:

efficient energy conversion, further saving energy



High efficiency:

multiple synchronous actions to achieve the shortest moulding cycle



Precision:

high positioning accuracy up to 0.01 mm level to ensure product quality
(electrical clamping is optional)



High speed:

ACC assists in achieving high-speed injection to meet the moulding needs
of thin-walled, packaging and other special products



Quiet:

low noise, more comfortable working environment

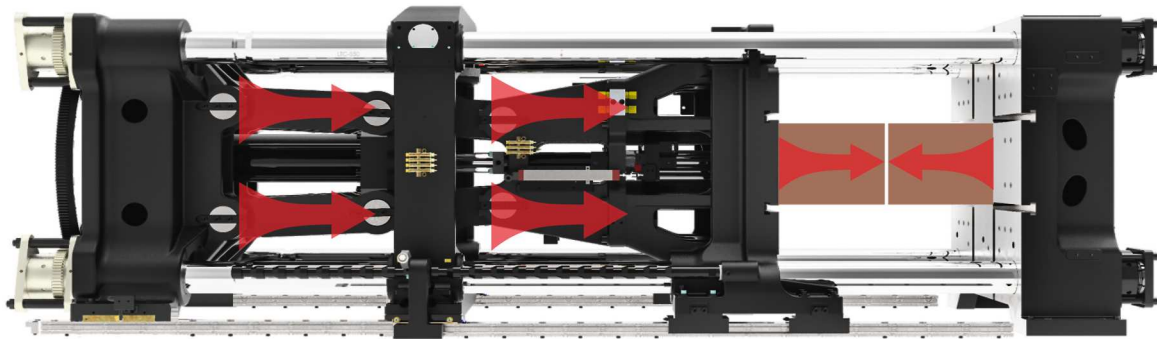
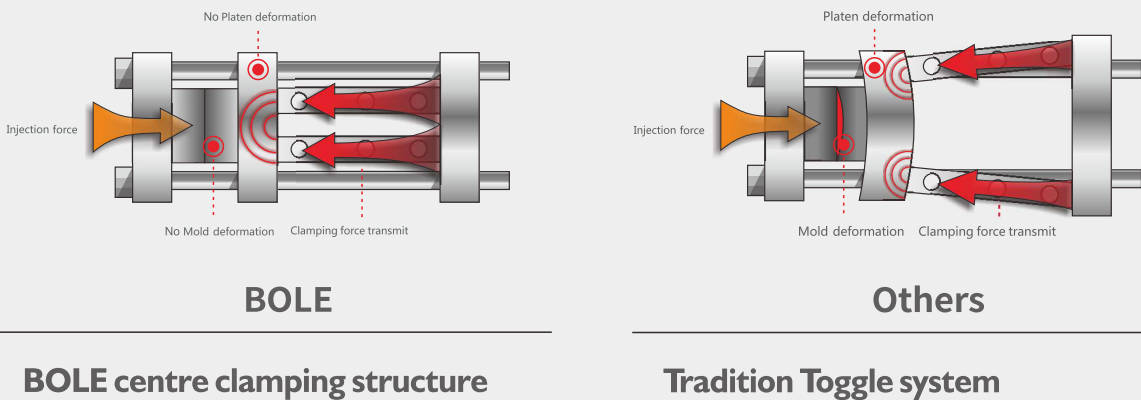


01

Clamping Unit National Invent Patent Center Locking

- The whole series adopts a central mould clamping structure and optimized connecting tie bar parameters, and cooperates with oil-containing steel sleeves to reduce high-speed running wear problems, longer life, and more stable operation of mould opening and closing
- The whole series of clamping part and injection part adopt linear guide structure.
- EKS HK standard with linear guide in the mould clamping part to improve the running stability and accuracy.
- With ACC injection control, the response time is less than 25ms.
With high-frequency response valve to achieve precise position control
- Standard multi-stage ejection function, which can realize pulse ejection
- 230-650 EKS-CAP offer more space with built-in clamping cylinder compared with previous model.
- The moving plate slide foot adopts the linear guide to ensure the positioning accuracy.
Because of the low resistance, faster opening and closing speed can be obtained,
and the lubricating oil spatter can be avoided, so the performance of the whole machine is smoother and faster.
- Bear averaged force,less platen distortion,apply for more molds.
- 100-1000 ton use linear guide instead of tie bar without lubrication to keep mold area clean.
- T shot plus threaded hole platen,to avoid damage problem
- 1200ton and above use non-slip foot design to make the machine more stable and reliable when heavy mold is loaded.

Toggle System Comparison

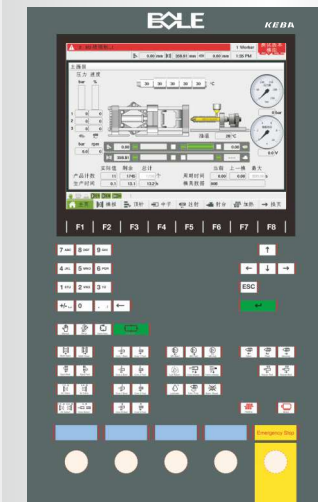
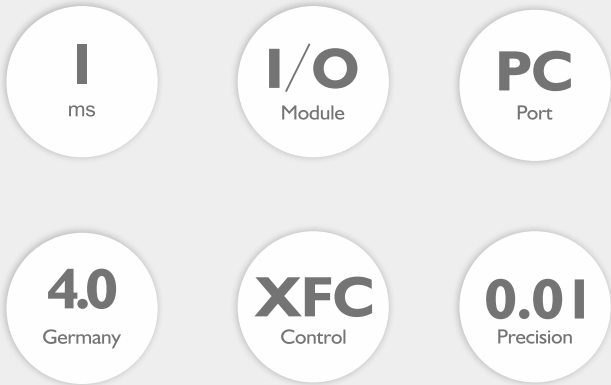


02

Control System

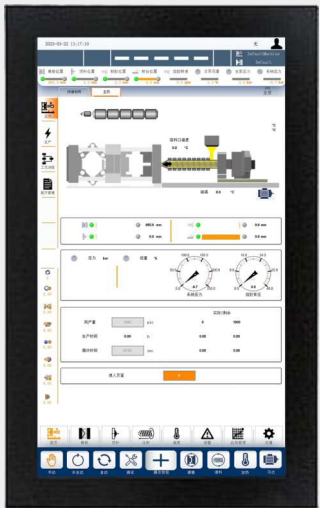
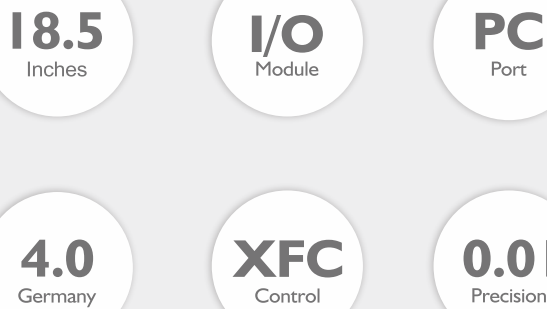
- Full series of standard original imported B&R/KEBA/ EST high-end control system, scanning cycle is less than 1ms
- Bole's unique patented injection control technology can effectively reduce the consumption of raw materials and improve the quality of molded products
- German Industry 4.0 standard, easy-to-implement intelligent manufacturing technology
- Standard SM third-generation low-inertia servo system, the fastest response time is 35ms, energy saving is up to 50%
- The standard multi-stage ejection function can realize pulse ejection.

KEBA



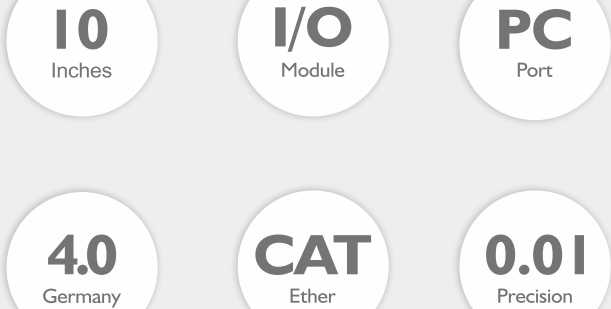
EKS-PB center-locking barrel type high-speed packaging machine ●

B&R



EKS-CAP center-locking high-speed packaging machine ●
BL-EKS high-speed special machine ●

EST



HK thin-walled high-speed packaging machine ●
EKH Center Clamping Commodity Fast Packaging Machine ●

03

Injection Unit

- The injection speed needs matching different models, from 350mm/s to 1000mm/s, which fully meets the current thin-wall moulding requirements of the packaging industry
- HK injection unit is with special single injection cylinder design and injection rod is not rotating with screw, which will be no oil leakage risk.
- EKS-CAP adopts a new injection cylinder with low inertia, with fast response and high control accuracy, and can be combined with electromelt adhesive with ACC injection, which has lower energy consumption.



04

German Design Plasticizing System

- The plasticizing system designed from Germany: the special plasticizing system is customized for the commonly used plastics in the packaging industry, and the plasticizing efficiency far exceeds the domestic level by more than 20%
- Special plasticizing systems for various complex degradable materials and special process requirements can be customized



BOLE FOR YOU

Focus on high-speed packaging applications,
Provide professional and perfect solutions



Bole high-speed injection moulding machines are born for different packaging industries. Through energy-saving and improved work efficiency, we can provide you with the maximum production efficiency by all means, enhancing your core competitiveness.

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PACKAGING TECHNOLOGY

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- EKS-PB Center-locking Barrel Type High-speed Packaging Machine
- HK Thin-walled High-speed Packaging Machine
- BL-EKS High-speed Special Machine
- EKH-DN Center Clamping Commodity Fast Packing Machine

EKS-CAP CENTER-LOCKING
HIGH-SPEED PACKAGING MACHINE

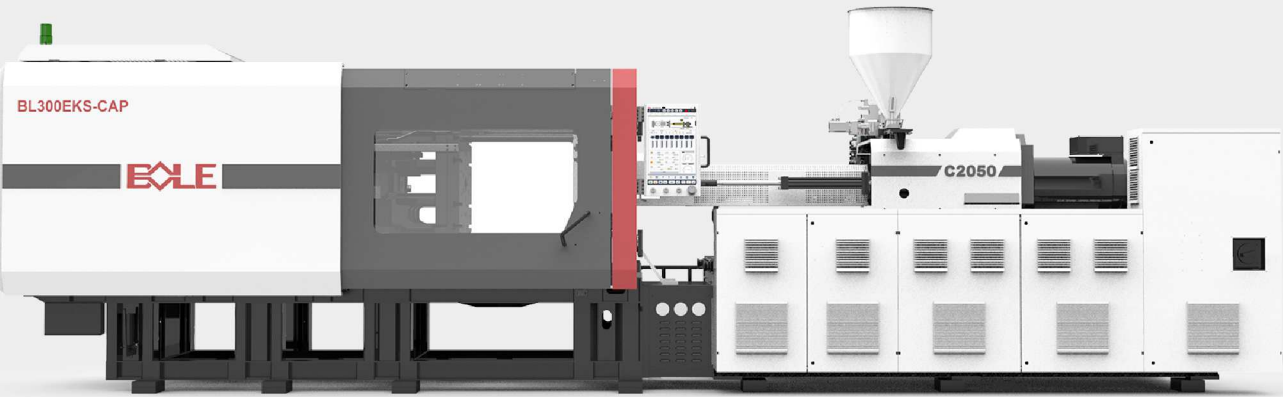


Product	Cavities	Model	Cycle time	Output
5L Blew cover	32	BL300EKS-CAP/C2050	6-7 S	~460,799
5L Top cover	48	BL500EKS-CAP/C3700	12.5 S	~331,776
5L Integrated flap	32	BL650EKS-CAP/C4800	14.3 S	~193,342
Soy sauce cap	24	BL230EKS-CAP/C1450	16.6 S	~124,915
10L Threaded cap	32	BL300EKS-CAP/C2050	8.5 S	~325,270
20L Threaded cap	24	BL650EKS-CAP/C4800	11 S	~188,509

PRODUCTION
CASES



Product: Cap
Cavities: 24
Raw material: HDPE
Weight of one cavity: 200g/shot
Product size: $\Phi 73 \times 12.5$
Cycle time: 7s (cooling 3s)



- Fully hydraulically driven, the injection unit adopts ACC auxiliary injection, the maximum shooting speed is 1000mm/S;
- The special plasticizing system is customized for commonly used plastics in the packaging industry, and the plasticizing efficiency far exceeds the domestic level by more than 20%;
- Optional e-charging unit to realize synchronous pre-plasticizing function.
- European standard platen size, suitable for bottle caps, thin-walled multi-cavity products, and products with higher requirements for moulding cycle.

EKS-CAP center-locking high-speed packaging machine Technical Data

	UNIT	BL170EKS-CAP				BL230EKS-CAP			
International specification		1700/C700		1700/C880		2300/C700		2300/C880	
Screw specifications		A	B	A	B	A	B	A	B
Screw diameter	mm	40	45	45	50	40	45	45	50
Screw L/D ratio		25	23	25	23	25	23	25	23
Theoretical injection capacity	cm³	289	366	366	451	289	366	366	451
Shot weight	g(PS)	266	336	336	415	266	336	336	415
	g(PP)	211	267	267	330	211	267	267	330
	oz(PS)	9.4	11.9	11.9	14.7	9.4	11.9	11.9	14.7
	oz(PP)	7.5	9.4	9.4	11.6	7.5	9.4	9.4	11.6
Injection rate into Air	cm³/s	1256	1590	1590	1963	1256	1590	1590	1963
	g/S(PS)	1143	1447	1447	1786	1143	1447	1447	1786
	g/S(PP)	834	1056	1056	1304	834	1056	1056	1304
Injection pressure(-400℃)	bar	2461	1944	2333	1890	2461	1944	2333	1890
Injection stroke	mm	230		230		230		230	
Max. injection speed (at 1000 bar injection pressure)	mm/s	1000		1000		1000		1000	
Screw speed	r/min	350		350		350		350	
Theoretical plasticizing speed	g/S(PS)	33	45	42	56	38	50	48	63
Theoretical plasticizing speed	g/S(PP)	26	35	34	44	30	40	38	50
Sys. Pressure	MPa	17.5		21		17.5		21	
Pump Motor(Min~Max)	kW	26.7+26.7		26.7+26.7		40.9+40.9		40.9+40.9	
Pre-plastic motor power	KW	19.6(optional)		19.6(optional)		26.7(optional)		26.7(optional)	
Pump motor(Min~Max)	KW	53.3(72.9optional)		53.3(72.9optional)		81.8(108.5optional)		81.8(108.5optional)	
Heater power	kW	16.2		16.2		18.5		18.5	
Number of Temp. control zones		4+2		4+2		4+2		4+2	
Clamping force	kN	1700		1700		2300		2300	
Opening stroke	mm	530		530		580		580	
Space between tie bar	mmxmm	560×510		560×510		660×610		660×610	
Min. mould height	mm	220		220		240		240	
Max. mould height	mm	580		580		680		680	
Moving/fixed platen	KG	1100	600	1100	600	1800	900	1800	900
Max. daylight	mm	1110		1110		1260		1260	
Ejector stroke	mm	150		150		190		190	
Ejector force forward	kN	67		67		68		68	
Ejector force back	kN	39		39		44		44	
Number of ejector bar	PC	9		9		13		13	
Dry cycle period	S-mm	1.7/392		1.7/392		1.8/462		1.8/462	
Energy consumption level	kW.h/kg	≤0.6		≤0.6		≤0.6		≤0.6	
Hopper capacity	kg	50		50		50		50	
Oil tank capacity	L	280		280		350		350	
Machine dimensions(L×W×H)	mxmxm	5.9x1.7x2.4		5.9x1.7x2.4		6.6x1.8x2.4		6.6x1.8x2.4	

BL230EKS-CAP		BL300EKS-CAP						BL360EKS-CAP	
2300/C1500		3000/C880		3000/C1500		3000/C2800		3600/C880	
A	B	A	B	A	B	A	B	A	B
50	60	45	50	50	60	60	70	45	50
25	23	25	23	25	23	25	23	25	25
540	777	366	451	540	777	1046	1423	366	451
497	715	336	415	497	715	962	1309	336	415
394	567	267	330	394	567	763	1039	267	330
17.5	25.3	11.9	14.7	17.5	25.3	34	46.3	11.9	14.7
13.9	20	9.4	11.6	13.9	20	27	36.7	9.4	11.6
1963	2826	1590	1963	1963	2826	1978	2693	1590	1963
1786	2572	1447	1786	1786	2572	1800	2450	1447	1786
1304	1877	1056	1304	1304	1877	1314	1789	1056	1304
2396	1996	2333	1890	2396	1996	2685	2367	2333	1890
275		230		275		370		230	
1000		1000		1000		700		1000	
300		350		300		300		350	
51	79	50	67	54	84	79	116	54	73
41	62	40	53	43	67	62	92	43	59
17.5	21	21		17.5	21	17.5	21	21	
40.9+40.9		50.7+40.9		50.7+40.9		50.7+40.9		60.5+50.7+13.4	
26.7(optional)		65.4(optional)		65.4(optional)		65.4(optional)		65.4(optional)	
81.8(108.5optional)		91.6(157optional)		91.6(157optional)		91.6(157optional)		190(standard)	
18.5		26.2		26.2		26.2		31.4	
4+2		4+2		4+2		4+2		4+2	
2300		3000		3000		3000		3600	
580		660		660		660		750	
660×610		710×660		710×660		710×660		810×760	
240		270		270		270		300	
680		720		720		720		820	
1800	900	2200	1100	2200	1100	2200	1100	3300	1700
1260		1380		1380		1380		1570	
190		190		190		190		210	
68		116		116		116		116	
44		72		72		72		72	
13		13		13		13		17	
1.8/462		2.2/497		2.2/497		2.2/497		2.6/567	
≤0.6		≤0.6		≤0.6		≤0.6		≤0.6	
50		50		50		50		50	
350		420		420		420		500	
6.6x1.8x2.4		7.4x2x2.5		7.4x2x2.5		7.4x2x2.5		8.1x2.2x2.5	

EKS-CAP center-locking high-speed packaging machine Technical Data

	UNIT	BL360EKS-CAP				BL420EKS-CAP			
International specification		3600/C1500		3600/C2800		4200/C1500		4200/C2800	
Screw specifications		A	B	A	B	A	B	A	B
Screw diameter	mm	50	60	60	70	50	60	60	70
Screw L/D ratio		25	23	25	23	25	23	25	23
Theoretical injection capacity	cm³	540	777	1046	1423	540	777	1046	1423
Shot weight	g(PS)	497	715	962	1309	497	715	962	1309
	g(PP)	394	567	763	1039	394	567	763	1039
	oz(PS)	17.5	25.3	34	46.3	17.5	25.3	34	46.3
	oz(PP)	13.9	20.0	27	36.7	13.9	20	27	36.7
Injection rate into Air	cm³/s	1963	2826	1978	2693	1963	2826	1978	2693
	g/S(PS)	1786	2572	1800	2450	1786	2572	1800	2450
	g/S(PP)	1304	1877	1314	1789	1304	1877	1314	1789
Injection pressure(-400℃)	bar	2396	1996	2685	1972	2396	1996	2685	1972
Injection stroke	mm	275		370		275		370	
Max. injection speed (at 1000 bar injection pressure)	mm/s	1000		700		1000		700	
Screw speed	r/min	300		280		300		280	
Theoretical plasticizing speed	g/S(PS)	54	91	78	117	60	95	82	122
Theoretical plasticizing speed	g/S(PP)	46	72	62	93	48	75	65	97
Sys. Pressure	MPa	17.5	21	17.5	21	17.5	21	17.5	
Pump Motor(Min~Max)	kW	60.5+50.7+13.4		60.5+50.7+13.4		50.7+50.7		50.7+50.7	
Pre-plastic motor power	KW	65.4(standard)		65.4(standard)		65.4(optional)		65.4(optional)	
Pump motor(Min~Max)	KW	190(standard)		190(standard)		101.4(166.8optional)		101.4(166.8optional)	
Heater power	kW	31.4		31.4		31.4		31.4	
Number of Temp. control zones		4+2		4+2		5+2		5+2	
Clamping force	kN	3600		3600		4200		4200	
Opening stroke	mm	750		750		850		850	
Space between tie bar	mmxmm	810×760		810×760		860×800		860×800	
Min. mould height	mm	300		300		350		350	
Max. mould height	mm	820		820		880		880	
Moving/fixed platen	KG	3300	1700	3300	1700	4400	2200	4400	2200
Max. daylight	mm	1570		1570		1730		1730	
Ejector stroke	mm	210		210		220		220	
Ejector force forward	kN	116		116		154		154	
Ejector force back	kN	72		72		110		110	
Number of ejector bar	PC	17		17		17		17	
Dry cycle period	S-mm	2.6/567		2.6/567		3.0/602		3.0/602	
Energy consumption level	kW.h/kg	≤0.6		≤0.6		≤0.6		≤0.6	
Hopper capacity	kg	50		50		100		100	
Oil tank capacity	L	500		500		750		750	
Machine dimensions(L×W×H)	mxmxm	8.1x2.2x2.5		8.1x2.2x2.5		9x2.3x2.9		9x2.3x2.9	

BL420EKS-CAP		BL500EKS-CAP/SP						BL650EKS-CAP			
4200/C3400		5000/C2800		5000/C3400		5000/C5000		5000/C5000		5000/C8000	
A	B	A	B	A	B	A	B	A	B	A	B
70	80	60	70	70	80	80	95	85	95	95	110
25	23	25	23	25	23	25	23	25	23	25	23
1423	1859	1046	1423	1423	1859	2085	2940	2354	2940	3365	4512
1309	1710	962	1309	1309	1710	1918	2705	2165	2705	3096	4151
1039	1357	763	1039	1039	1357	1522	2146	1718	2146	2457	3294
46.3	60.4	34	46.3	46.3	60.4	67.8	95.6	76.5	95.6	109.4	146.7
36.7	47.9	27	36.7	36.7	47.9	53.8	75.8	60.7	75.8	86.8	116.4
2308	3014	1978	2693	2308	3014	2512	3542	2836	3542	2480	3324
2100	2743	1800	2450	2100	2743	2286	3224	2581	3224	2256	3025
1533	2002	1314	1789	1533	2002	1669	2353	1884	2353	1647	2208
2367	1812	2685	1972	2367	1812	2392	1696	2119	1696	2383	1777
370		370		370		415		415		475	
600		700		600		500		500		350	
250		280		250		250		250		210	
101	144	85	122	105	144	138	204	163	220	172	250
80	114	68	97	83	114	110	162	129	175	136	198
21		17.5		21		21		21		21	
50.7+50.7		60.5+60.5+16.7+3.7		60.5+60.5+16.7+3.7		60.5+60.5+16.7+3.7		60.5+60.5		60.5+60.5	
65.4(optional)		78.5(optional)		78.5(standard)		78.5(standard)		78.5(optional)		78.5(optional)	
101.4(166.8optional)		220(standard)		220(standard)		220(standard)		124(202.5optional)		124(202.5optional)	
31.4		35.5		35.5		35.5		35.5		35.5	
5+2		5+2		5+2		5+2		5+2		5+2	
4200		5000		5000		5000		6500		6500	
850		950		950		950		1050		1050	
860×800		960×860		960×860		960×860		1060×960		1060×960	
350		400		400		400		450		450	
880		1000		1000		1000		1100		1100	
4400	2200	7300	3800	7300	3800	7300	3800	7300	3800	7300	3800
1730		1950		1950		1950		2150		2150	
220		240		240		240		270		270	
154		198		198		198		198		198	
110		129		129		129		129		129	
17		21		21		21		21		21	
3.0/602		3.5/672		3.5/672		3.5/672		3.5/742		3.5/742	
≤0.6		≤0.6		≤0.6		≤0.6		≤0.6		≤0.6	
100		100		100		100		100		100	
750		850		850		850		1000		1000	
9x2.3x2.9		9.7x2.4x3		9.7x2.4x3		9.7x2.4x3		10.5x2.7x3		10.5x2.7x3	

EKS-PB CENTER-LOCKING BARREL TYPE
HIGH-SPEED PACKAGING MACHINE

- Fully hydraulic drive, increase the opening stoke, suitable for deep cavity product, the injection unit adopts ACC auxiliary injection, the maximum shooting speed is 145-320mm/S
- The special plasticizing system is customized for commonly used plastics in the packaging industry, and the plasticizing efficiency far exceeds the domestic level by more than 20%
- Optional e-charging unit realizes synchronous pre-plasticizing function
- Suitable for packaging barrels, thin-walled and deep-cavity products

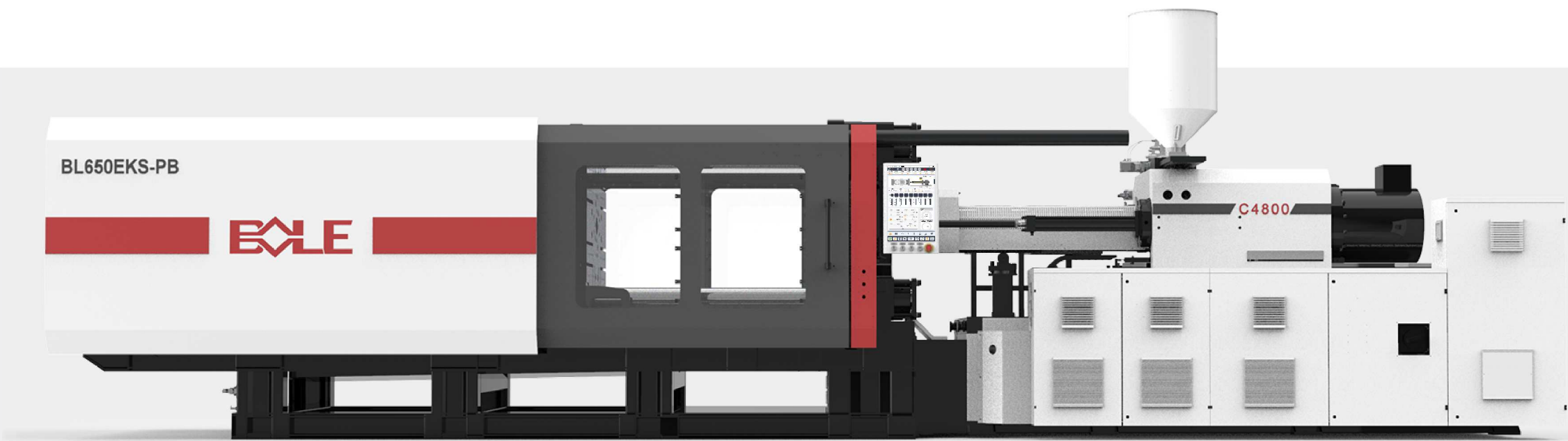
PRODUCTION CASES



Product: 20L Barrel lid
Model: BL280EKS
Cycle time: 20S



Product: 20L Paint buckets
Model: BL650EKS-PB
Cycle time: 20S



EKS-PB center-locking barrel type high-speed packaging machine Technical Data

	UNIT	BL280EKS-PB		BL350EKS-PB		BL650EKS-PB		BL650EKS-PB	
International specification		C1450		C2050		C4800		C5900	
Screw specifications		A	B	A	B	A	B	A	B
Screw diameter	mm	55	60	60	70	80	85	90	95
Screw L/D ratio		25	23	25	23	25	25	25	24.2
Theoretical injection capacity	cm³	689	820	918	1250	2286	2581	3179	3542
Shot weight	g(PS)	634	754	845	1150	2103	2374	2925	3259
	g(PP)	503	598	670	913	1669	1884	2321	2586
	oz(PS)	22.4	26.6	29.9	40.6	74.3	83.9	103.4	115.2
	oz(PP)	17.8	21.1	23.7	32.2	59.0	66.6	82.0	91.4
Injection rate into Air	cm³/s	344	410	677	921	1094	1235	1386	1544
	g/S(PS)	313	373	616	838	995	1124	1261	1405
	g/S(PP)	229	272	450	612	727	820	921	1026
Injection pressure(-400℃)	bar	2114	1777	2263	1663	2100	1860	1815	1629
Injection stroke	mm	290		325		455		500	
Max. injection speed (at 1000 bar injection pressure)	mm/s	145		239		218		218	
Screw speed	r/min	260		219		190		190	
Theoretical plasticizing speed	g/S(PS)	43	57	57	84	109	128	139	161
Theoretical plasticizing speed	g/S(PP)	35	45	46	67	87	102	110	128
Sys. Pressure	MPa	17.5		17.5		17.5		17.5	
Pump Motor(Min~Max)	kW	40.9		50.7+50.7		92+47		92+47	
Number of Motors	PC	1		2		2		2	
Pre-plastic motor power	KW	26.7(optional)		65.4		92(optional)		92(optional)	
Pump motor(Min~Max)	KW	40.9(67.6optional)		166.8		231(optional)		231(optional)	
Heater power	kW	18.5		26.2		38.3		38.3	
Number of Temp. control zones		4+2		4+2		5+2		5+2	
Clamping force	kN	2800		3500		6500		6500	
Opening stroke	mm	580		760		950		950	
Space between tie bar	mmxmm	660×610		710×660		960×860		960×860	
Min. mould height	mm	240		270(350superposition)		400		400	
Max. mould height	mm	680		720		1000		1000	
Moving/fixed platen	KG	1800	900	2200	1100	4400	2200	4400	2200
Max. daylight	mm	1260		1480		1950		1950	
Ejector stroke	mm	190		190		240		240	
Ejector force forward	kN	68		68		154		154	
Ejector force back	kN	44		44		110		110	
Number of ejector bar	PC	13		13		21		21	
Dry cycle period	S-mm	1.8/462		2.2/497		3.0/672		3.0/672	
Energy consumption level	kW.h/kg	≤0.6		≤0.6		≤0.6		≤0.6	
Hopper capacity	kg	50		50		100		100	
Oil tank capacity	L	330		350		860		940	
Machine dimensions(L×W×H)	mxmxm	6.6x1.8x2.4		7.4x2x2.5		9.7x2.4x3		9.9x2.4x3	

.19.

1: Accoring to GB/T30200-2013 standard, PP material.

2: Its a theoretical calculation value.

BL650EKS-PB		BL650EKS-PB		BLI000EKS-PB		BLI000EKS-PB	
C5900		C5900 (ACC)		C10000		C10000 (ACC)	
A	B	A	B	A	B	A	B
90	95	80	85	110	120	110	120
25	24.2	25	25	25	23	25	23
3179	3542	2512	2836	5652	6726	5652	6726
2925	3259	2311	2609	5199	6188	5199	6188
2321	2586	1834	2070	4126	4910	4126	4910
103.4	115.2	81.7	92.2	183.7	218.7	183.7	218.7
82.0	91.4	64.8	73.1	145.8	173.5	145.8	173.5
1386	1544	1758	1985	1653	1967	3040	3617
1261	1405	1600	1806	1504	1790	2766	3292
921	1026	1168	1319	1098	1307	2019	2403
1815	1629	2297	2035	1779	1495	1779	1495
500		500		595		595	
218		320(ACC auxiliary)		174		320(ACC auxiliary)	
190		190		160		160	
139	161	109	128	177	219	177	219
110	128	87	102	140	174	140	174
17.5		17.5		17.5		17.5	
92+47		62+62		117+65		117+65	
2		2		3		3	
92(optional)		92		117. 5(optional)		117.5	
231(optional)		216		299.5(optional)		299	
38.3		38.3		58.4		58.4	
5+2		5+2		5+2		5+2	
6500		6500		10000		10000	
1150		1150		1150		1150	
960×860		960×860		1160×1060		1160×1060	
400		400(450superposition)		500		500(600superposition)	
1000		1000		1200		1200	
4400	2200	4400	2200	9500	4900	9500	4900
2150		2150		2350		2350	
240		240		300		300	
154		154		198		198	
110		110		129		129	
21		21		21		21	
3.0/672		3.0/672		5.5/812		5.5/812	
≤0.6		≤0.6		≤0.6		≤0.6	
100		100		100		100	
940		940		1400		1400	
9.9x2.4x3		9.9x2.4x3		11.5x2.9x3		11.5x2.9x3	

Due to the continuous product improvement, we reserve the right to adjust the individual parameters, without notice.

.20.

HK THIN-WALLED HIGH-SPEED PACKAGING MACHINE

- Fully hydraulic drive, the third-generation servo pump drive technology of the injection unit, the maximum shooting speed is 500mm/S; the response time is less than 35ms;
- The special plasticizing system is customized for commonly used plastics in the packaging industry, and the plasticizing efficiency far exceeds the domestic level by more than 20%;
- Optional synchronous pre-plasticizing function.
- Main application scenarios, thin-walled packaging for lunch boxes, and thin-walled multi-cavity products for milk tea cups;
- A special plasticizing system for biodegradable materials can be selected for wider adaptability.



PRODUCTION CASES

- Suitable for thinwall packaging injection moulding field such as food packaging, medicine packaging, civil and logistic packaging etc.

	Product: Knives/forks/spoons
	Material: PP, PS
	weight: 2.5-3g
	Cycle time: 7s
	Charging time: 1.5s
	Injection+holding time: 1.1s
	Product : Milk tea cups
	Material: PP
	Average wall thickness: 0.52mm
	Mold cavities: 4/6/8
	Mold runner type: needle valve hot runner
	Ejector: Air+Robot
	Cycle time: ≤6s
	Product : Sauce boxes
	Material : PP
	Mold cavities: 4/6/8/12/16
	Mold runner type: Hot runner
	Ejector: Air+Robot
	Cycle time : ≤6S

HK thin-walled packaging machine Technical Data

	UNIT	BL300HK/C840	BL300HK-H/C840	BL400HK/CI460
International specification		3000/C840	3000/C840	4000/C1460
Screw specifications		专用	专用	专用
Screw diameter	mm	50	50	60
Screw L/D ratio		23	23	23
Theoretical injection capacity	cm³	491	491	820
Shot weight	g(PS)	451	451	754
	g(PP)	358	358	598
	oz(PS)	15.9	15.9	26.6
	oz(PP)	12.7	12.7	21.1
Injection rate into Air	cm³/s	883	1963	1272
	g/S(PS)	803	1786	1157
	g/S(PP)	586	1304	845
Injection pressure(-400°C)	bar	1714	1710	1781
Injection stroke	mm	250	250	290
Max. injection speed	mm/s	450	/	450
Max. injection speed	mm/s	/	1000	/
Screw speed	r/min	350	350	310
Theoretical plasticizing speed	g/S(PS)	56	56	81
Theoretical plasticizing speed	g/S(PP)	44	44	64
Sys. Pressure	MPa	19.0	19.0	19.0
Pump Motor(Min~Max)	kW	39.9+31.1	39.9+31.1	53+39.9
	kW	25.1	25.1	25.1
Number of Motors	PC	3	3	3
Pump motor	KW	96.1	96.1	118
Heater power	kW	29	29	32
Number of Temp. control zones		4+2	4+2	4+2
Clamping force	kN	3000	3000	4000
Opening stroke	mm	600	600	670
Space between tie bar	mmxmm	610×560	610×560	660×610
Min. mould height	mm	250	250	270
Max. mould height	mm	650	650	670
Moving/fixed platen	KG	1800	1800	2200
Max. distance platen	mm	1250	1250	1340
Ejector stroke	mm	120	120	160
Ejector force forward	kN	74	74	74
Ejector force back	kN	36	36	36
Number of ejector bar	PC	13	13	13
Dry cycle period	S-mm	2.2/427	2.2/427	2.5/462
Hopper capacity	kg	50	50	100
Oil tank capacity	L	420	420	500
Machine dimensions(L×W×H)	mxmxm	7.6×2×2.5	7.6×2×2.5	8.0×2×2.5
Machine weight	Ton	15	15	18

.23.

I: Accoring to GB/T30200-2013 standard, PP material.

2: Its a theoretical calculation value.

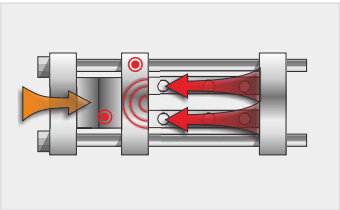
BL400HK-H/CI480	BL460HK/CI460	BL460HK-H/CI480	BL460HK-H/C3200	BL550HK-H/CI480	BL550HK-H/C4600
4000/C1480	4600/C1460	4600/C1480	4600/C3200	5500/C1480	5500/C4600
专用	专用	专用	专用	专用	专用
60	60	60	80	60	90
23	23	23	23	23	23
820	820	820	1859	820	2639
754	754	754	1710	754	2428
598	598	598	1357	598	1926
26.6	26.6	26.6	60.4	26.6	85.8
21.1	21.1	21.1	47.9	21.1	68.1
2826	1272	2826	2512	2826	3179
2572	1157	2572	2286	2572	2893
1877	845	1877	1669	1877	2112
1806	1781	1806	1890	1806	1753
290	290	290	370	290	415
/	450	/	/	/	/
1000	/	1000	700	1000	500
310	310	310	230	310	230
81	81	81	132	81	181
64	64	64	105	64	144
19.0	19.0	19.0	21.0	19.0	21.0
53+39.9	53+39.9	53+53	53+53	53+39.9	53+53
25.1	25.1	25.1	48.2	25.1	80.1
3	3	3	3	3	3
118	118	131.1	154.2	118	186.1
32	32	32	32	38.3	38.3
4+2	4+2	4+2	4+2	5+2	5+2
4000	4600	4600	4600	5500	5500
670	720	720	720	750	750
660×610	730×660	730×660	730×660	860×710	860×710
270	300	300	300	350	350
670	750	750	750	860	860
2200	3300	3300	3300	4400	4400
1340	1470	1470	1470	1610	1610
160	160	160	160	210	210
74	74	74	74	135	135
36	110	110	110	110	110
13	21	21	21	21	21
2.5/462	2.8/511	2.8/511	2.8/511	3.1/672	3.1/672
100	100	100	100	100	100
500	620	620	620	700	700
8.0×2×2.5	8.3×2.1×3	8.3×2.1×3	8.3×2.1×3	9.3×2.2×3	9.3×2.2×3
18	22	22	22	26	26

Due to the continuous product improvement, we reserve the right to adjust the individual parameters, without notice.

.24.

BL-EKS High-speed Special Machine

Bole EKS hydraulic servo energy-saving high-speed special machine, combines with the advantages of direct-press machine and traditional toggle machine. More than 60 emerging technologies have been applied in mechanical structural units, electrical systems, hydraulic systems, software systems and assembly processes.



Clamping system of central clamping structure



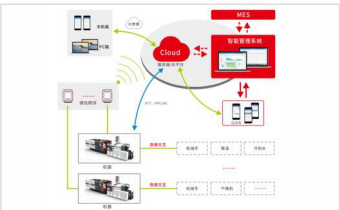
Efficient plasticizing screw



Optional injection proportional valve control



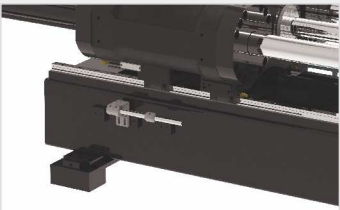
Optional ACC injection function



Industry 4.0 Interface (intelligent Factory)



Linear guide rail for moulding platen support



Linear guide rail for injection unit support



Optional ECO hybrid energy-saving version for synchronous electric charging function

BL-EKS Express Special Machine Technical Data

	UNIT	BLI00EKS/C340-H		BLI40EKS/C340-H		BLI40EKS/C460-H	
International specification		C340		C340		C460	
Screw specifications		A	B	A	B	A	B
Screw diameter	mm	32	36	32	36	36	40
Screw L/D ratio		23	23	23	23	23	23
Theoretical injection capacity	cm³	145	183	145	183	203	251
Shot weight(PP)	g	133	168	133	168	187	231
	oz	4.7	6.0	4.7	6.0	6.6	8.2
Injection rate into Air	cm³/s	282	356	282	356	356	440
	g/S	256	324	256	324	324	400
Injection pressure	Mpa	239	189	239	189	230	186
Injection stroke	mm	180		180		200	
Max. injection speed	mm/s	350		350		350	
Screw speed	r/min	350		350		350	
Theoretical plasticizing speed	g/S(PS)	17	23	17	23	23	30
Sys. Pressure	MPa	17.5		17.5		17.5	
Pump motor	KW	40.9		40.9		50.7	
Number of motors	PC	1		1		1	
Pump motor	KW	16.4		16.4		20.5	
Number of motors	PC	1		1		1	
Heater power	KW	5.8	7	5.8	7	6.95	8.7
Number of Temp. control zones		3+1		3+1		3+1	
Clamping force	KN	1000		1400		1400	
Opening stroke	mm	360		420		420	
Space between tie bar	mmxmm	410×360		460×410		460×410	
Min. mould height	mm	160		180		180	
Max. mould height	mm	420		470		470	
Max. daylight	mm	780		890		890	
Ejector stroke	mm	100		130		130	
Ejector force forward	kN	34		49		49	
Ejector force back	kN	22		37		37	
Number of ejector bar	PC	5		5		5	
Dry cycle period	S-mm	1.9		2.1		2.1	
Energy consumption level	kW.h/kg	≤0.4		≤0.4		≤0.4	
Hopper capacity	kg	25		25		50	
Oil tank capacity	L	155		125		125	
Machine dimensions(L×W×H)	mxmxm	4.6×1.4×2.2		5×1.5×2.3		5×1.5×2.3	

.27.

1: Accoring to GB/T30200-2013 standard, PP material.

2: Its a theoretical calculation value.

BLI70EKS/C340-H		BLI70EKS/C460-H		BLI70EKS/C630-H	
C340		C460		C630	
A	B	A	B	A	B
32	36	36	40	40	45
23	23	23	23	23	23
145	183	203	251	283	358
133	168	187	231	260	329
4.7	6.0	6.6	8.2	9.2	11.6
282	356	356	440	377	477
256	324	324	400	343	434
239	189	230	186	223	176
180		200		225	
350		350		300	
350		350		300	
17	23	23	30	26	36
17.5		17.5		17.5	
40.9		50.7		50.7	
1		1		1	
16.4		20.5		26.7	
1		1		1	
6.95	8.7	6.95	8.7	9.95	13.65
3+1		3+1		3+1	
1700		1700		1700	
480		480		480	
510×460		510×460		510×460	
200		200		200	
530		530		530	
1010		1010		1010	
150		150		150	
49		49		49	
37		37		37	
5		5		5	
2.3		2.3		2.3	
≤0.4		≤0.4		≤0.4	
25		50		50	
235		235		235	
5.6×1.6×2.3		5.6×1.6×2.3		5.6×1.6×2.3	

Due to the continuous product improvement, we reserve the right to adjust the individual parameters, without notice.

.28.

BL-EKS Express Special Machine Technical Data

	UNIT	BL230EKS/C460-H		BL230EKS/C630-H		BL230EKS/C860-H	
International specification		C460		C630		C860	
Screw specifications		A	B	A	B	A	B
Screw diameter	mm	36	40	40	45	45	50
Screw L/D ratio		23	23	23	23	23	23
Theoretical injection capacity	cm³	203	251	283	358	397	491
Shot weight(PP)	g	187	231	260	329	366	451
	oz	6.6	8.2	9.2	11.6	12.9	15.9
Injection rate into Air	cm³/s	356	440	377	477	477	589
	g/S	324	400	343	434	434	536
Injection pressure	Mpa	230	186	223	176	219	177
Injection stroke	mm	200		225		250	
Max. injection speed	mm/s	350		300		300	
Screw speed	r/min	350		300		300	
Theoretical plasticizing speed	g/S(PS)	23	30	26	36	36	48
Sys. Pressure	MPa	17.5		17.5		17.5	
Pump motor	KW	50.7		50.7		62	
Number of motors	PC	1		1		1	
Pump motor	KW	26.7		26.7		40.9	
Number of motors	PC	1		1		1	
Heater power	KW	6.95	8.7	9.95	13.65	11.45	13.95
Number of Temp. control zones		3+1		3+1		4+1	
Clamping force	KN	2300		2300		2300	
Opening stroke	mm	530		530		530	
Space between tie bar	mmxmm	560×510		560×510		560×510	
Min. mould height	mm	220		220		220	
Max. mould height	mm	580		580		580	
Max. daylight	mm	1110		1110		1110	
Ejector stroke	mm	150		150		150	
Ejector force forward	kN	67		67		67	
Ejector force back	kN	39		39		39	
Number of ejector bar	PC	9		9		9	
Dry cycle period	S-mm	2.7		2.7		2.7	
Energy consumption level	kW.h/kg	≤0.4		≤0.4		≤0.4	
Hopper capacity	kg	50		50		50	
Oil tank capacity	L	245		245		245	
Machine dimensions(L×W×H)	mxmxm	5.9×1.7×2.4		5.9×1.7×2.4		5.9×1.7×2.4	

.29.

1: Accoring to GB/T30200-2013 standard, PP material.

2: Its a theoretical calculation value.

BL280EKS/C630-H		BL280EKS/C860-H		BL280EKS/CI450-H	
C630		C860		C1450	
A	B	A	B	A	B
40	45	45	50	55	60
23	23	23	23	23	23
283	358	397	491	689	820
260	329	366	451	634	754
9.2	11.6	12.9	15.9	22.4	26.6
377	477	477	589	712	848
343	434	434	536	648	771
223	176	219	177	211	178
225		250		290	
300		300		300	
300		300		300	
26	36	36	48	63	79
17.5		17.5		17.5	
50.7		62		50.7+40.9	
1		1		2	
40.9		40.9		50.7	
1		1		2	
9.95	13.65	11.45	13.95	16.1	20
3+1		4+1		4+1	
2800		2800		2800	
580		580		580	
660×610		660×610		660×610	
240		240		240	
680		680		680	
1260		1260		1260	
190		190		190	
68		68		68	
44		44		44	
13		13		13	
3.6		3.6		3.6	
≤0.4		≤0.4		≤0.4	
50		50		50	
330		330		330	
6.6×1.8×2.4		6.6×1.8×2.4		6.6×1.8×2.4	

Due to the continuous product improvement, we reserve the right to adjust the individual parameters, without notice.

.30.

BL-EKS Express Special Machine Technical Data

	UNIT	BL350EKS/C860-H		BL350EKS/C1450-H		BL350EKS/C2050-H	
International specification		C860		C1450		C2050	
Screw specifications		A	B	A	B	A	B
Screw diameter	mm	45	50	55	60	60	65
Screw L/D ratio		23	23	23	23	23	23
Theoretical injection capacity	cm³	397	491	689	820	918	1078
Shot weight(PP)	g	366	451	634	754	845	992
	oz	12.9	15.9	22.4	26.6	29.9	35.0
Injection rate into Air	cm³/s	477	589	712	848	764	897
	g/S	434	536	648	771	695	816
Injection pressure	Mpa	219	177	211	178	226	193
Injection stroke	mm	250		290		325	
Max. injection speed	mm/s	300		300		270	
Screw speed	r/min	300		300		270	
Theoretical plasticizing speed	g/S(PS)	36	48	63	79	71	89
Sys. Pressure	MPa	17.5		17.5		17.5	
Pump motor	KW	62		50.7+40.9		62+40.9	
Number of motors	PC	1		2		2	
Pump motor	KW	50.7		50.7		62	
Number of motors	PC	1		2		2	
Heater power	KW	11.45	13.95	16.1	20	24.65	26.25
Number of Temp. control zones		4+1		4+1		4+1	
Clamping force	KN	3500		3500		3500	
Opening stroke	mm	660		660		660	
Space between tie bar	mmxmm	710×660		710×660		710×660	
Min. mould height	mm	270		270		270	
Max. mould height	mm	720		720		720	
Max. daylight	mm	1380		1380		1380	
Ejector stroke	mm	190		190		190	
Ejector force forward	kN	68		68		68	
Ejector force back	kN	44		44		44	
Number of ejector bar	PC	13		13		13	
Dry cycle period	S-mm	3.8		3.8		3.8	
Energy consumption level	kW.h/kg	≤0.4		≤0.4		≤0.4	
Hopper capacity	kg	50		50		50	
Oil tank capacity	L	350		350		350	
Machine dimensions(L×W×H)	mxmxm	7.4×2×2.5		7.4×2×2.5		7.4×2×2.5	

.31.

1: Accoring to GB/T30200-2013 standard, PP material.

2: Its a theoretical calculation value.

BL470EKS/C1450-H		BL470EKS/C2050-H		BL470EKS/C3000-H		BL550EKS/C2050-H	
C1450		C2050		C3000		C2050	
A	B	A	B	A	B	A	B
55	60	60	65	70	75	60	65
23	23	23	23	23	23	23	23
689	820	918	1078	1423	1634	918	1078
634	754	845	992	1309	1503	845	992
22.4	26.6	29.9	35.0	46.3	53.1	29.9	35.0
712	847	764	897	1001	1149	764	897
648	771	695	816	911	1046	695	816
211	178	226	193	212	185	226	193
290		325		370		325	
300		270		260		270	
300		270		260		270	
63	79	71	89	105	126	71	89
17.5		17.5		17.5		17.5	
62+26.7		62+40.9		62+62		62+40.9	
2		2		2		2	
62		62		62+26.7		62+26.7	
2		2		2		2	
16.1	20	24.65	26.25	31	33	24.65	26.25
4+1		4+1		4+1		4+1	
4700		4700		4700		5500	
750		750		750		850	
810×760		810×760		810×760		860×800	
300		300		300		350	
820		820		820		880	
1570		1570		1570		1730	
220		220		220		220	
116		116		116		116	
72		72		72		72	
17		17		17		17	
4.1		4.1		4.1		4.2	
≤0.4		≤0.4		≤0.4		≤0.4	
50		50		50		50	
430		430		430		540	
8.1×2.2×2.5		8.1×2.2×2.5		8.1×2.2×2.5		9×2.3×2.9	

Due to the continuous product improvement, we reserve the right to adjust the individual parameters, without notice.

.32.

BL-EKS Express Special Machine Technical Data

	UNIT	BL550EKS/C3000-H		BL550EKS/C3700-H		BL650EKS/C3000-H	
International specification		C3000		C3700		C3000	
Screw specifications		A	B	A	B	A	B
Screw diameter	mm	70	75	75	80	70	75
Screw L/D ratio		23	23	23	23	23	23
Theoretical injection capacity	cm³	1423	1634	1832	2085	1423	1634
Shot weight(PP)	g	1309	1503	1686	1918	1309	1503
	oz	46.3	53.1	59.6	67.8	46.3	53.1
Injection rate into Air	cm³/s	1001	1149	1016	1156	1001	1149
	g/S	911	1046	925	1052	911	1046
Injection pressure	Mpa	212	185	204	179	212	185
Injection stroke	mm	370		415		370	
Max. injection speed	mm/s	260		230		260	
Screw speed	r/min	260		230		260	
Theoretical plasticizing speed	g/S(PS)	105	126	111	132	105	126
Sys. Pressure	MPa	17.5		17.5		17.5	
Pump motor	KW	62+62		62+62		62+62	
Number of motors	PC	2		2		2	
Pump motor	KW	62+26.7		62+40.9		62+40.9	
Number of motors	PC	2		2		2	
Heater power	KW	31	33	31.35	32.95	31	33
Number of Temp. control zones		4+1		5+1		4+1	
Clamping force	KN	5500		5500		6500	
Opening stroke	mm	850		850		950	
Space between tie bar	mmxmm	860×800		860×800		960×860	
Min. mould height	mm	350		350		400	
Max. mould height	mm	880		880		1000	
Max. daylight	mm	1730		1730		1950	
Ejector stroke	mm	220		220		240	
Ejector force forward	kN	116		116		154	
Ejector force back	kN	72		72		110	
Number of ejector bar	PC	17		17		21	
Dry cycle period	S-mm	4.2		4.2		4.3	
Energy consumption level	kW.h/kg	≤0.4		≤0.4		≤0.4	
Hopper capacity	kg	100		100		100	
Oil tank capacity	L	540		540		650	
Machine dimensions(L×W×H)	mxmxm	9×2.3×2.9		9×2.3×2.9		9.7×2.4×3	

.33.

I: Accoring to GB/T30200-2013 standard, PP material.

2: Its a theoretical calculation value.

BL650EKS/C3700-H		BL650EKS/C4800-H		BL750EKS/C3700-H		BL750EKS/C4800-H	
C3700		C4800		C3700		C4800	
A	B	A	B	A	B	A	B
75	80	80	85	75	80	80	85
23	23	23	23	23	23	23	23
1832	2085	2286	2581	1832	2085	2286	2581
1686	1918	2103	2374	1686	1918	2103	2374
59.6	67.8	74.3	83.9	59.6	67.8	74.3	83.9
1016	1156	1004	1133	1016	1156	1004	1133
925	1052	914	1031	925	1052	914	1031
204	179	210	186	204	179	210	186
415		455		415		455	
230		200		230		200	
230		200		230		200	
111	132	115	135	111	132	115	135
17.5		17.5		17.5		17.5	
62+62		62+62		62+62		62+62	
2		2		2		2	
62+40.9		62+40.9		62+40.9		62+40.9	
2		2		2		2	
31.35	32.95	39.1	41.1	31.35	32.95	39.1	41.1
5+1		5+1		5+1		5+1	
6500		6500		7500		7500	
950		950		1050		1050	
960×860		960×860		1060×960		1060×960	
400		400		450		450	
1000		1000		1100		1100	
1950		1950		2150		2150	
240		240		270		270	
154		154		198		198	
110		110		129		129	
21		21		21		21	
4.3		4.3		4.8		4.8	
≤0.4		≤0.4		≤0.4		≤0.4	
100		100		100		100	
650		650		940		940	
9.7×2.4×3		9.7×2.4×3		10.4×2.6×3.1		10.4×2.6×3.1	

Due to the continuous product improvement, we reserve the right to adjust the individual parameters, without notice.

.34.

BL-EKS Express Special Machine Technical Data

	UNIT	BL750EKS/C5900-H		BL850EKS/C4800-H		BL850EKS/C5900-H	
International specification		C5900		C4800		C5900	
Screw specifications		A	B	A	B	A	B
Screw diameter	mm	80	90	80	85	80	90
Screw L/D ratio		23	23	23	23	23	23
Theoretical injection capacity	cm³	2512	3179	2286	2581	2512	3179
Shot weight(PP)	g	2311	2925	2103	2374	2311	2925
	oz	81.7	103.4	74.3	83.9	81.7	103.4
Injection rate into Air	cm³/s	1002	1269	1004	1134	1002	1269
	g/S	912	1154	914	1032	912	1154
Injection pressure	Mpa	230	181	210	186	230	181
Injection stroke	mm	500		455		500	
Max. injection speed	mm/s	200		200		200	
Screw speed	r/min	200		200		200	
Theoretical plasticizing speed	g/S(PS)	115	158	115	135	115	158
Sys. Pressure	MPa	17.5		17.5		17.5	
Pump motor	KW	50.7+50.7+50.7		62+62		50.7+50.7+50.7	
Number of motors	PC	3		2		3	
Pump motor	KW	62+62		62+50.7		62+62	
Number of motors	PC	2		2		2	
Heater power	KW	44.05	48.85	39.1	41.1	44.05	48.85
Number of Temp. control zones		5+1		5+1		5+1	
Clamping force	KN	7500		8500		8500	
Opening stroke	mm	1050		1100		1100	
Space between tie bar	mmxmm	1060×960		1120×1020		1120×1020	
Min. mould height	mm	450		450		450	
Max. mould height	mm	1100		1150		1150	
Max. daylight	mm	2150		2250		2250	
Ejector stroke	mm	270		300		300	
Ejector force forward	kN	198		198		198	
Ejector force back	kN	129		129		129	
Number of ejector bar	PC	21		21		21	
Dry cycle period	S-mm	4.8		5.8		5.8	
Energy consumption level	kW.h/kg	≤0.4		≤0.4		≤0.4	
Hopper capacity	kg	100		100		100	
Oil tank capacity	L	940		1200		1200	
Machine dimensions(L×W×H)	mxmxm	10.4×2.6×3.1		11.5×2.7×3.1		11.5×2.7×3.1	

.35.

I: Accoring to GB/T30200-2013 standard, PP material.

2: Its a theoretical calculation value.

BL850EKS/C7900-H		BLI000EKS/C5900-H		BLI000EKS/C7900-H		BLI000EKS/CI0000-H	
C7900		C5900		C7900		C10000	
A	B	A	B	A	B	A	B
90	100	80	90	90	100	110	120
23	23	23	23	23	23	23	23
3465	4278	2512	3179	3465	4278	5177	6161
3188	3936	2311	2925	3188	3936	4763	5668
112.7	139.1	81.7	103.4	112.7	139.1	168.3	200.3
1273	1571	1002	1269	1273	1571	1708	2032
1158	1430	912	1154	1158	1430	1554	1849
230	186	230	181	230	186	178	149
545		500		545		545	
200		200		200		180	
170		200		170		170	
134	181	115	158	134	181	202	263
17.5		17.5		17.5		17.5	
62+62+62		62+62+62		62+62+62		62+62+62	
3		3		3		3	
62+62		62+62		62+62		62+62	
2		2		2		2	
46	50	44.05	48.85	46	50	46	50
6+1		5+1		6+1		6+1	
8500		10000		10000		10000	
1100		1150		1150		1150	
1120×1020		1160×1060		1160×1060		1160×1060	
450		500		500		500	
1150		1200		1200		1200	
2250		2350		2350		2350	
300		300		300		300	
198		248		248		248	
129		165		165		165	
21		21		21		21	
5.8		6.3		6.3		6.3	
≤0.4		≤0.4		≤0.4		≤0.4	
100		100		200		200	
1200		1400		1400		1400	
11.5×2.7×3.1		10.2×2.9×3		10.2×2.9×3		10.2×2.9×3	

Due to the continuous product improvement, we reserve the right to adjust the individual parameters, without notice.

.36.

EKH-DN Center Clamping Commodity Fast Packaging Machine



Stronger / More / Faster / More beautiful / More accurate



- With widen platen and central clamping toggle, at the same tonnage model, larger opening stroke, wider tie bar space and greater mold height. Bole central clamping structure can save 2%-5% raw materials for more than 80% of molds.
- When the latest servo control technology is applied to produce the same products with the same tonnage machine under the same working conditions, compared with the traditional servo energy-saving control, the energy consumption will be saved by more than 15%.
- Bole's latest electric charging solution is optional for all series models. At the same tonnage models, charging energy saves more than 35%, overall energy saves more than 15%, product stability is increased by 30%. It is estimated to recover optional cost of the electric charging unit within 18 months.
- Equipped with patented software algorithm to improve control accuracy, human-computer interaction and optional industrial interface (OPC/U77, etc.), Bole supports customers to create a new era of intelligent factory.
- With Germany design plasticizing unit, plasticizing efficiency is greater, saving the charging time.
- Save dry cycle time. Patent intelligent increasing function makes the machine speed up by 20%.
- Optional ECO hybrid energy-saving version for synchronous electric charging function.

EKH-DN Center Clamping Commodity Fast Packing Machine Technical Data

	UNIT	BLI20EKW-DN	BLI60EKW-DN	BL200EKW-DN	BL250EKW-DN
International specification		C470	C630	C910	C1180
Screw specifications		Special	Special	Special	Special
Screw diameter	mm	45	50	55	60
Screw L/D ratio		23.0	23.0	23.0	23.0
Theoretical injection capacity	cm³	318	442	594	763
Shot weight(PP)	g	292	406	546	702
	oz	10.3	14.4	19.3	24.8
Injection rate into Air	cm³/s	247	322	398	465
	g/S	225	293	362	423
Injection pressure	Mpa	147	143	147	157
Theoretical plasticizing speed	g/S(PP)	32	43	61	83
Injection stroke	mm	200	225	250	270
Max. injection speed	mm/s	156	164	168	165
Screw speed	r/min	313	315	333	357
Sys. Pressure	MPa	17.5	17.5	17.5	17.5
Pump motor	KW	16.4~17.1	20.5~22.4	26.7~29.9	37~40.9
Heater power	kW	8.7	13.65	13.95	14.85
Number of Temp. control zones		3+1	3+1	3+1	4+1
Clamping force	kN	1200	1600	2000	2500
Opening stroke	mm	380	450	500	570
Space between tie bar	mmxmm	455×355	505×405	555×455	605×505
Min. mould height	mm	160	180	200	220
Max. mould height	mm	450	510	550	600
Max. daylight	mm	830	960	1050	1170
Ejector stroke	mm	120	140	150	150
Ejector force forward	kN	34	49	49	67
Ejector force backward	kN	22	37	37	39
Number of ejector bar	PC	5	5	5	9
Hopper capacity	kg	25	25	50	50
Oil tank capacity	L	125	165	205	270
Machine dimensions(L×W×H)	mxmxm	4.9x1.5x2	5.2x1.6x2.1	5.3x1.6x2.3	6x1.7x2.4

BL300EKW-DN	BL360EKW-DN	BL400EKW-DN	BL470EKW-DN	BL530EKW-DN
C1450	C2080	C2500	C3200	C4500
Special	Special	Special	Special	Special
65	75	75	85	95
23.0	23.0	23.0	23.0	23.0
962	1435	1590	2212	3117
885	1320	1462	2035	2868
31.3	46.7	51.7	71.9	101.3
482	629	750	1014	1275
438	573	683	922	1160
151	145	156	144	143
92	108	148	188	197
290	325	360	390	440
145	143	170	179	180
313	260	333	313	250
17.5	17.5	17.5	17.5	17.5
37~40.9	47.2~50.7	60.5~65	75.1~81.8	92.6~101.4
20	24.3	25.9	28.25	31.4
4+1	4+1	4+1	4+1	5+1
3000	3600	4000	4700	5300
610	660	710	800	900
705×575	755×605	805×625	855×655	905×705
250	250	270	330	330
660	730	730	810	880
1270	1390	1440	1610	1780
190	190	190	210	220
67	123	123	123	123
39	82	82	82	82
13	13	13	13	21
50	50	50	50	100
275	340	340	380	450
6.5x1.8x2.3	7x1.9x2.3	7x1.8x2.5	7.7x1.9x2.6	8.3x2.1x2.9

EKH-DN Center Clamping Commodity Fast Packing Machine Technical Data

	UNIT	BL600EKW-DN	BL700EKW-DN	BL800EKW-DN	BL900EKW-DN
International specification		C4500	C5900	C8000	C8000
Screw specifications		Special	Special	Special	Special
Screw diameter	mm	95	100	110	110
Screw L/D ratio		23.0	23.0	23.0	23.0
Theoretical injection capacity	cm³	3117	3925	5224	5224
Shot weight(PP)	g	2868	3611	4806	4806
	oz	101.3	127.6	169.8	169.8
Injection rate into Air	cm³/s	1275	1208	1516	1516
	g/S	1160	1099	1380	1380
Injection pressure	Mpa	143	151	154	154
Theoretical plasticizing speed	g/S(PP)	197	191	307	307
Injection stroke	mm	440	500	550	550
Max. injection speed	mm/s	180	154	160	160
Screw speed	r/min	250	223	258	258
Sys. Pressure	MPa	17.5	17.5	17.5	17.5
Pump motor	KW	92.6~101.4	92.6~101.4	117.5~121	117.5~121
Heater power	kW	31.4	40.95	45.8	45.8
Number of Temp. control zones		5+1	5+1	5+1	5+1
Clamping force	kN	6000	7000	8000	9000
Opening stroke	mm	940	1020	1080	1160
Space between tie bar	mmxmm	955×755	1010×805	1060×860	1110×910
Min. mould height	mm	380	400	450	450
Max. mould height	mm	950	980	1000	1100
Max. daylight	mm	1890	2000	2080	2260
Ejector stroke	mm	220	260	280	300
Ejector force forward	kN	123	166	166	232
Ejector force backward	kN	82	117	117	132
Number of ejector bar	PC	21	21	21	21
Hopper capacity	kg	100	100	100	100
Oil tank capacity	L	450	650	690	690
Machine dimensions(L×W×H)	mxmxm	9.1x2.2x2.9	9.6x2.3x3	10.4x2.5x3.1	10.8x2.6x3.1

BLI000EKW-DN	BLI200EKW-DN	BLI300EKW-DN	BLI400EKW-DN	BLI600EKW-DN
C10300	C10300	C13000	C13000	C17100
Special	Special	Special	Special	Special
120	120	130	130	140
23.0	23.0	23.0	23.0	23.0
6782	6782	8623	8623	10462
6240	6240	7933	7933	9625
220.5	220.5	280.3	280.3	340.1
1529	1529	1734	1734	1820
1392	1392	1578	1578	1656
153	153	151	151	164
302	302	339	339	357
600	600	650	650	680
135	135	131	131	118
186	186	167	167	151
17.5	17.5	17.5	17.5	17.5
117.5~121	117.5~121	140.1~142.3	140.1~142.3	157.6~161.9
58.9	58.9	69	69	87.8
6+1	6+1	6+1	6+1	6+1
10000	12000	13000	14000	16000
1250	1350	1410	1530	1650
1210×960	1310×1010	1360×1060	1460×1160	1560×1220
500	550	600	700	700
1200	1260	1300	1400	1500
2450	2610	2710	2930	3150
300	350	350	350	400
248	248	248	248	363
165	165	165	165	280
21	21	29	29	29
200	200	200	200	200
940	940	1100	1100	1160
10.9x2.9x4.2	11.4x3x4.2	12.3x3.3x4.1	12.3x3.3x4.1	13.4x3.4x4.3



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