

DK Series



The Passionate Pursuit of Perfection

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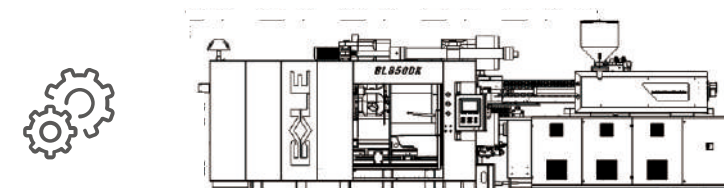
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DK Series Two Platen Injection Moulding Machine

German Origin



Injection Moulding Machine

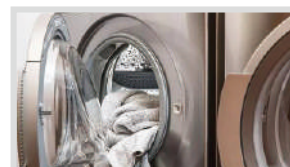


Operate independently to ensure German quality and present European performance perfectly.

More than 100 tests, more than 20 patents,
speed, accuracy, stability are increased,
It will become the first choice in automobile industry compared
with European products.



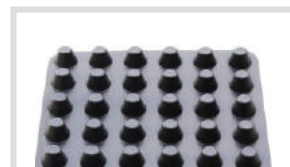
Automobile industry



Household electrical
appliance industry



Deep cavity product

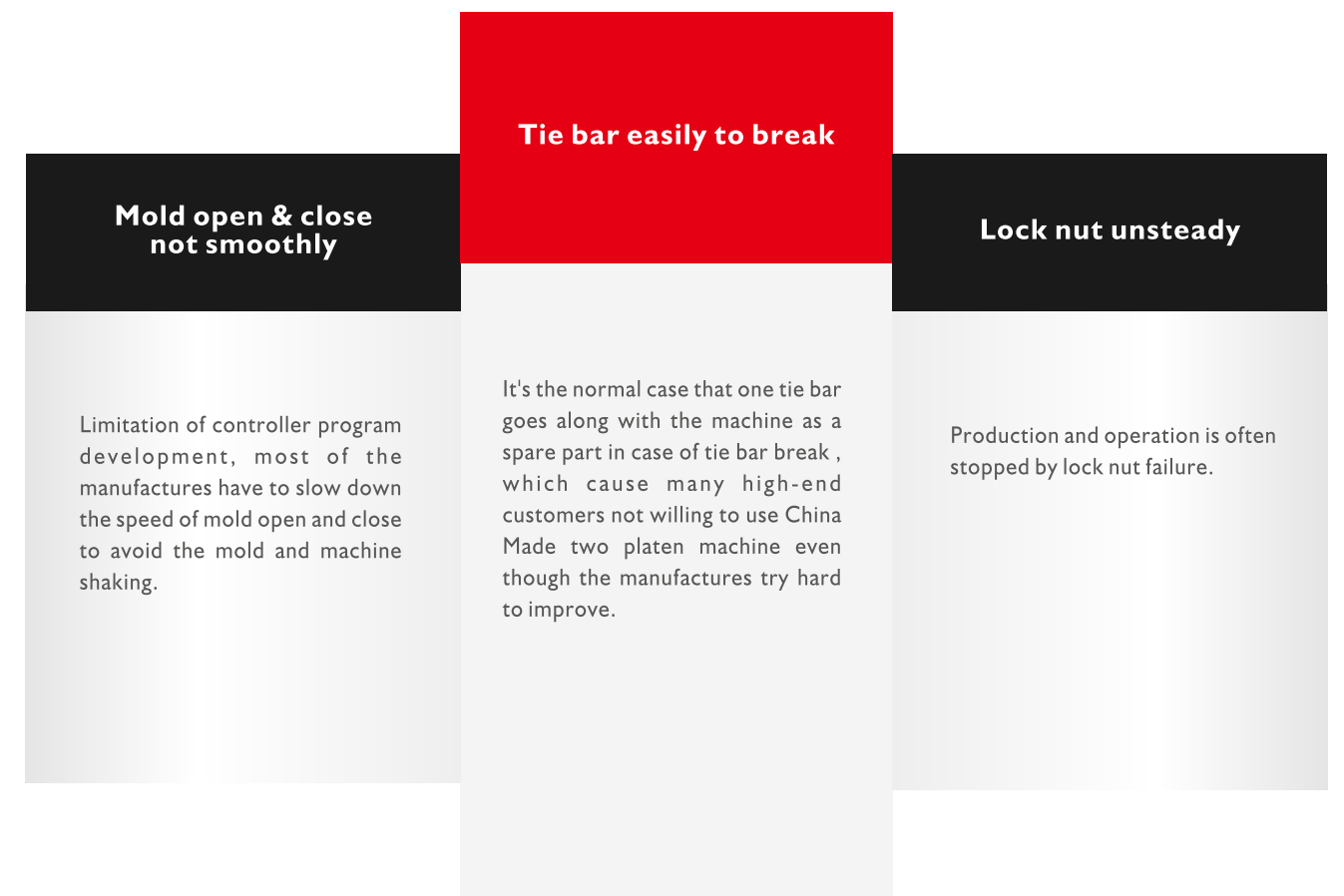


Logistics building material



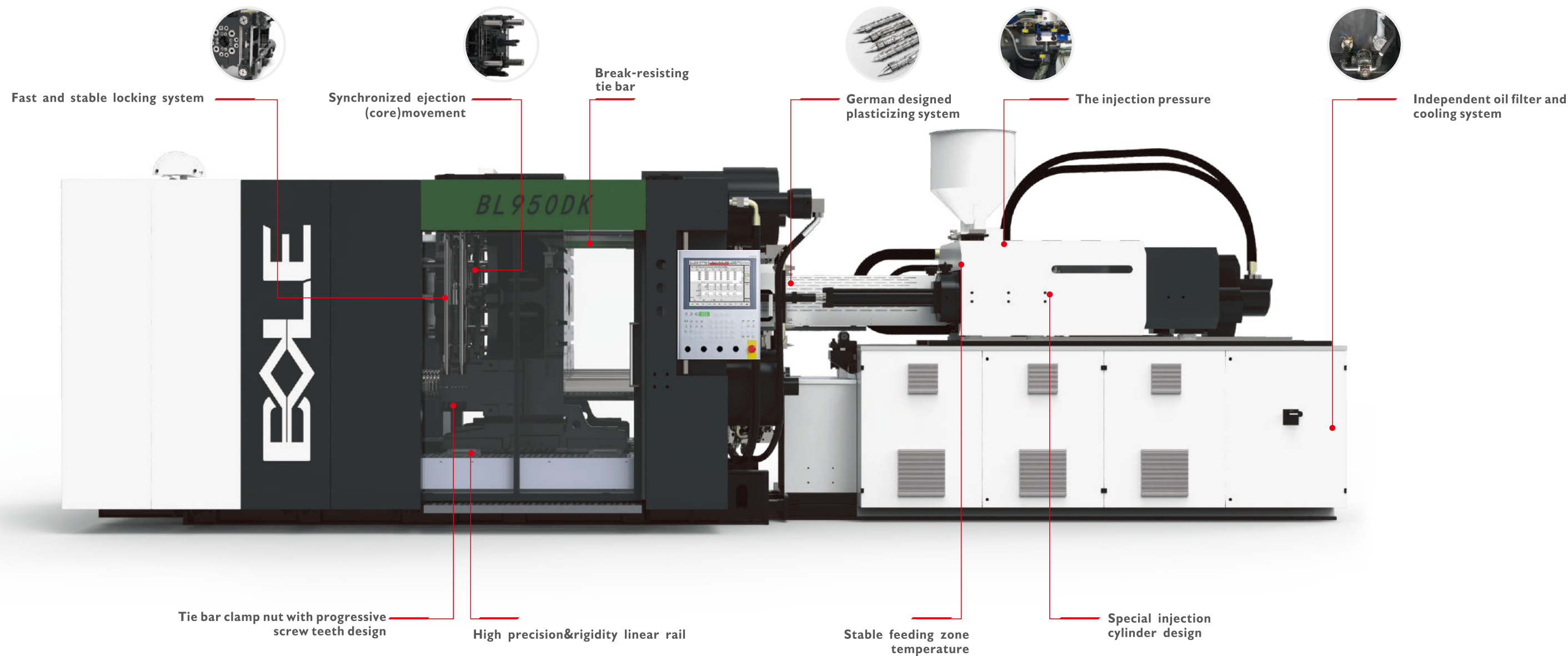


Two Platen Injection Moulding Machine Technical Pain Points in China



Bole two platen injection moulding machine can solve these problems effectively.

DK Series Two Platen Injection Moulding Machine



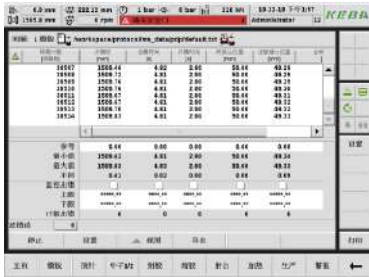
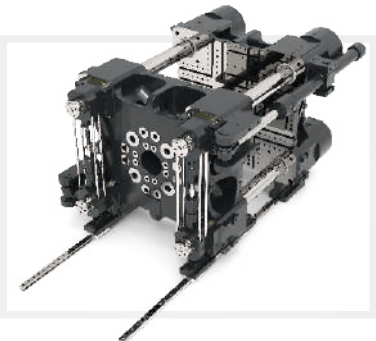
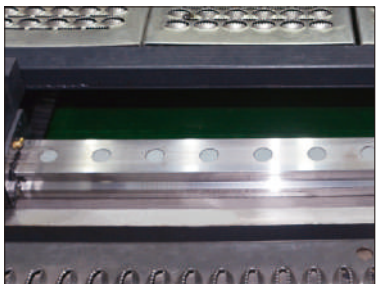
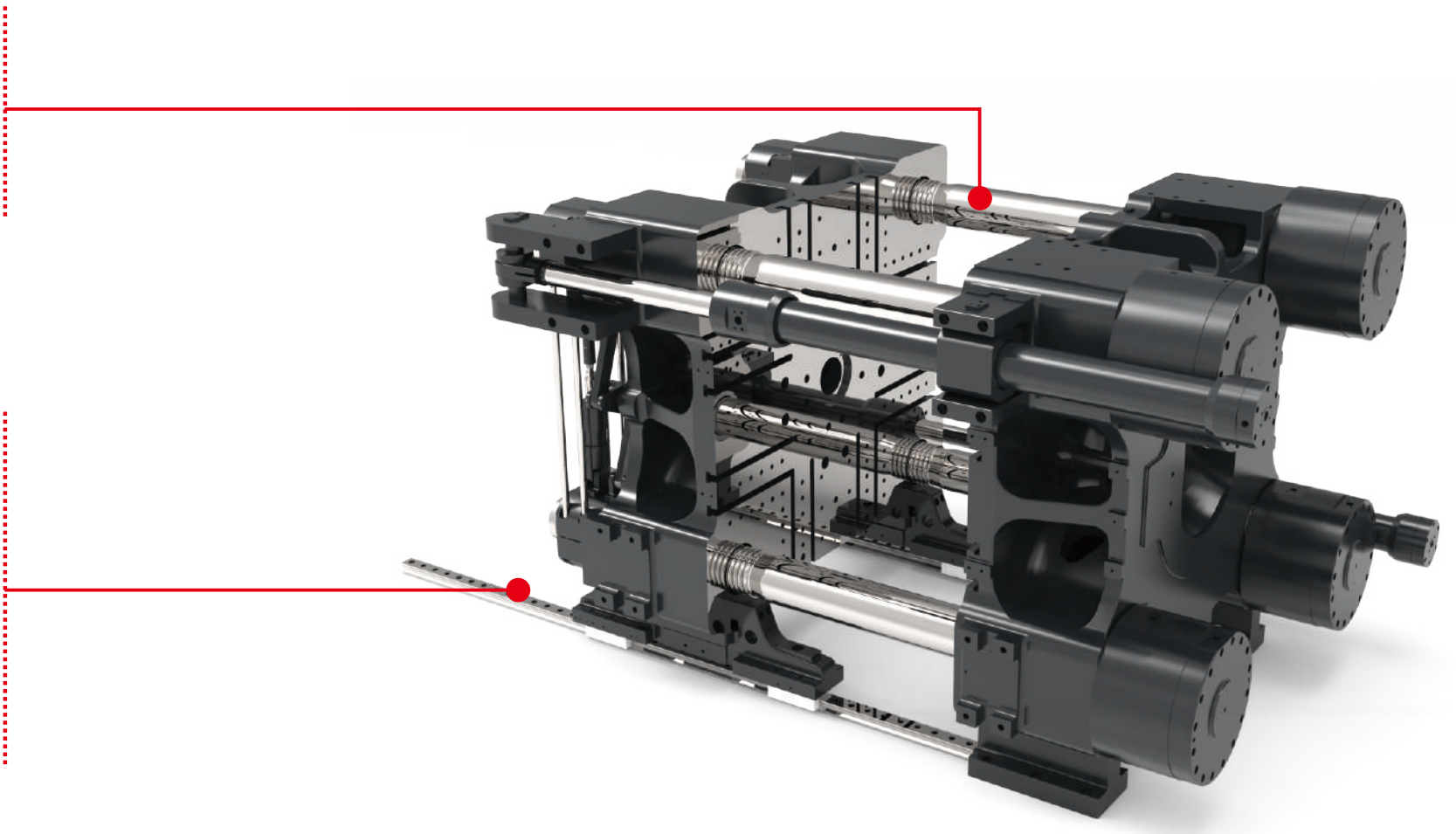
DK series two-platen injection moulding machine ten core strengths

01 Break-resisting tie bar

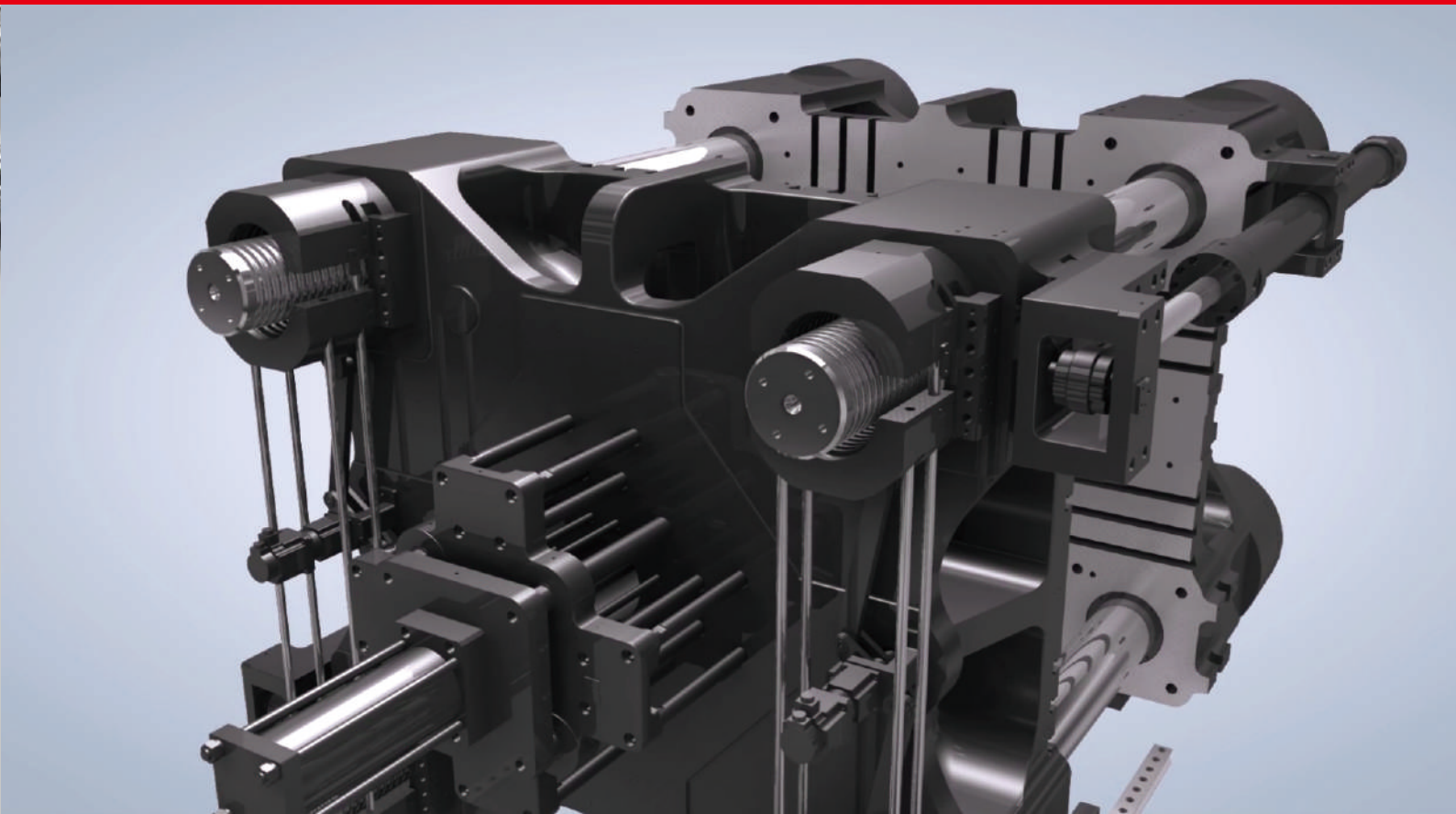
Less stress for weak point of tie bar, there is almost no risk of fracture, high overload and bending resisted tie bar. Patent applied.

02 High precision&rigidity linear rail

DK series two platen machines adopt high-precision and high-rigidity liner guide coordinates with sliding foot to support movable platen, guarteeing high .



DK series two-platen injection moulding machine ten core strengths



03 Germany design plasticizing system

- ③ Originate form Germany design Plasticizing System, efficiency excess above 20% of domestic level (Common plastics such as ABS, PS, PP, etc).
- ③ Custom made complicated technical requirement, applied to special plasticizing system.
- ③ All series can fit with A\B\C screw, L/D ratio 23:1, to achieve the best plasticizing effect and efficiency.

04 Fast and smooth electrical locking system

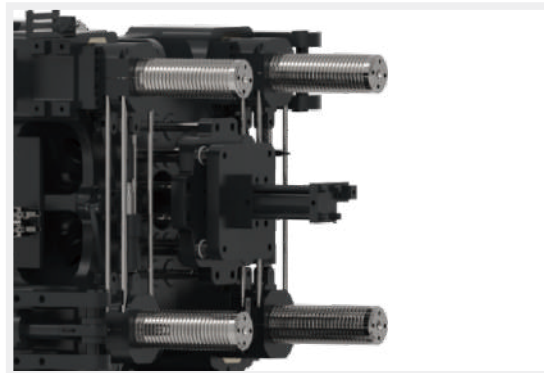
- ③ Adopt direct driving motor, high efficiency and energy saving
- ③ Closed loop control, fast and accurate
- ③ Left and right independent control, stable and reliable
- ③ Easy to maintain, clean without stains



DK series two-platen injection moulding machine, developed by the German chief engineer, reshapes the Chinese two-platen injection machine market.

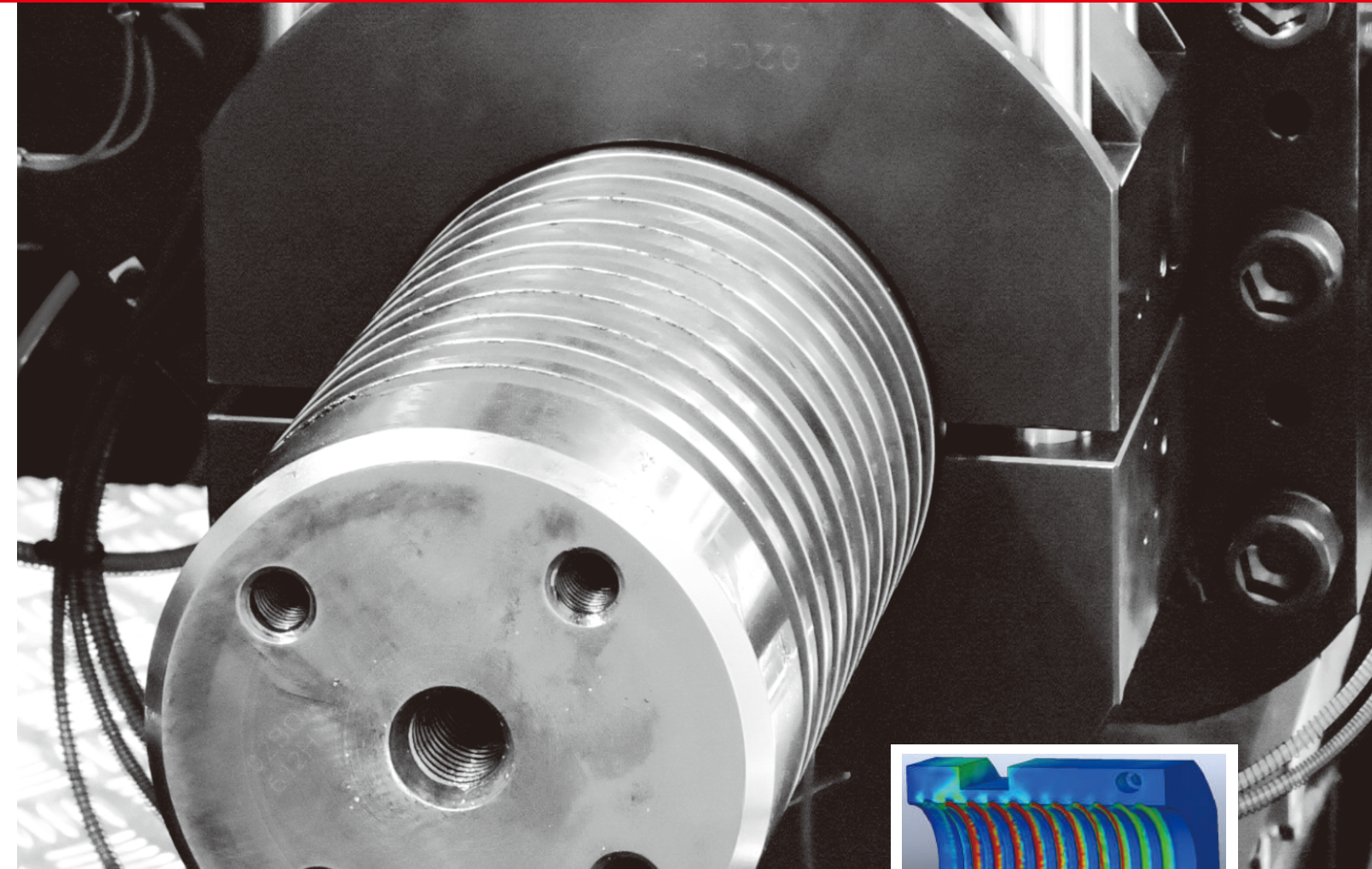
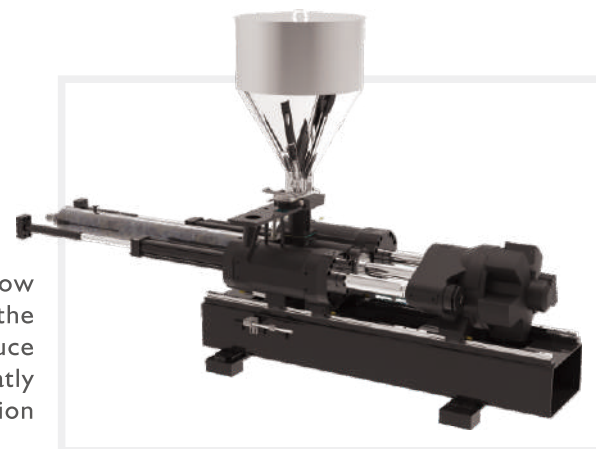
05 Synchronized ejection (core)movement

simultaneous eject (core pulling) function as standard, improve machine cycle efficiency.



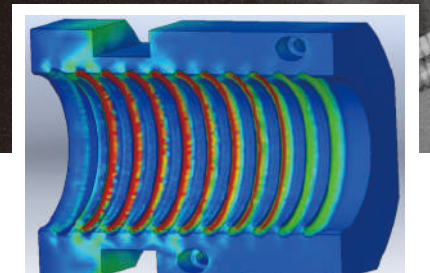
06 Special injection cylinder design

The new injection cylinder has extremely low oil return resistance and cooperates with the frame structure of the linear guide to reduce the friction of the injection part and greatly improve the control precision of the injection unit.

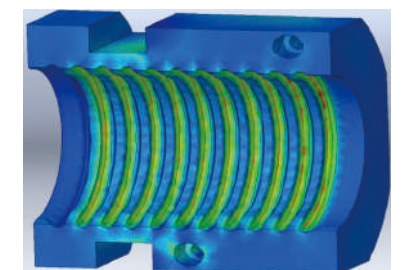


07 Tie bar clamp nut with progressive screw teeth design

Each stress on even teeth, longer life time for locking nuts.



Same tooth spacing, force not even



Variable tooth spacing, force even



08 Independent oil filter and cooling system

Very compact and less space occupation. Stabilize the entire oil temperature without any other interruption, such as cycle time and other working elements.



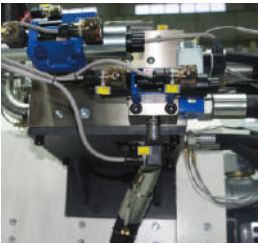
09 Stable feeding zone temperature

The feed throat temperature is brought into the closed loop control of the temperature unit, thus the efficiency and precision of the whole injection molding unit are improved. To avoid low injection accuracy due to inconsistency and caking.



10 The injection pressure

The injection pressure gets feedback always, and the injection curve makes it easier for the customer to adjust the process of the product.



Technical Data

Description		BL520DK			BL650DK			BL800DK		
		BL520DK/ Z2950			BL650DK/ Z3700			BL800DK/ Z4800		
International specification		Z2950			Z3700			Z4800		
Injection Unit										
Screw diameter	mm	70	75	85	75	80	90	80	85	90
Screw L/D ratio		23	23	23	23	23	23	23	23	23
Theoretical injection capacity	cm³	1423	1634	2099	1832	2085	2639	2286	2581	2893
Maximum Shot weight (PS)	g	1310	1503	1931	1686	1918	2428	2103	2374	2662
Maximum Shot weight (PS)	oz	46	53	68	59	68	86	74	84	94
Max. Injection speed	mm/s	120			119			116		
Injection rate in to the air	cm³/s	470	540	694	525	598	756	583	659	738
Injection rate in to the air (PS)	g/s	433	497	638	478	544	688	536	599	672
Specific Injection pressure	MPa	212	185	144	204	179	142	210	186	166
Max. Screw speed	r/min	160			147			140		
Clamping Unit										
Clamping force	Ton	531			663			816		
Clamping force	kN	5200			6500			8000		
Platen dimension (h×v)	mm × mm	1260×1210			1380×1280			1510×1380		
Distance between tie bars(h×v)	mm × mm	860×810			960×860			1060×920		
Opening stroke	mm	1100/600			1300/750			1400/800		
Min. mould height	mm	350			350			400		
Max. mould height	mm	850			900			1000		
Max. daylight	mm	1450			1650			1800		
Ejector stroke	mm	250			250			280		
Ejector force forward	kN	124			124			232		
Ejector force back	kN	75			75			155		
Number of ejector ping	PC	13			21			17		
Driving and Heating										
Heater power	kW	27	29. 2	31. 4	32	35. 5	37. 5	36	38. 3	40. 6
Pump Motor	kW	42+30			42+42			50+42		
System Pressure	MPa	17. 5			17. 5			17. 5		
Other										
Oil tank capacity	L	600			800			900		
Maximum mould weight	kg	6500			8000			9500		
Machine weight	ton	18			22			26		
Machine dimensions(L×W×H)	m × m × m	7. 39×2. 46×2. 68			7. 75×2. 57×2. 96			8. 35×2. 93×2. 91		

BL1000DK			BL1100DK			BL1200DK-W			BL1300DK-W			BL1400DK		
BL1000DK/Z5900			BL1100DK/Z7900			BL1200DK/Z7900			BL1300DK/Z10000			BL1400DK/Z13400		
Z5900			Z7900			Z7900			Z10000			Z13400		
80	90	100	90	100	110	90	100	110	100	110	120	110	120	130
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
2512	3179	3925	3467	4280	5180	3467	4280	5180	4671	5652	6726	6082	7238	8495
2311	2925	3611	3189	3938	4765	3189	3938	4765	4297	5199	6188	5596	6659	7815
82	103	127	112	138	168	112	138	168	152	184	219	197	235	276
106			104			104			104			102		
533	675	833	666	822	995	666	822	995	820	992	1180	969	1153	1353
490	621	766	612	756	915	612	756	915	746	902	1074	891	1060	1245
230	182	147	230	186	154	230	186	154	215	178	149	221	186	158
135			120			120			120			115		
1020			1122			1224			1327			1429		
10000			11000			12000			13000			14000		
1630×1550			1825×1685			1985×1725			1985×1725			2090×1990		
1160×1020			1260×1120			1420×1160			1420×1160			1420×1320		
1600/950			1870/1150			1870/1250			1870/1250			2200/1500		
450			480			580			580			650		
1100			1200			1200			1200			1350		
2050			2350			2450			2450			2850		
280			320			320			320			360		
232			232			232			232			309		
155			155			155			155			210		
17			25			25			25			25		
43	48. 5	54	50	54. 2	58. 4	50	54. 2	58. 4	56. 2	60. 4	62. 4	72	75	87
50+42			50+17+42			50+17+42			50+21+50			50+50+50		
17. 5			17. 5			17. 5			17. 5			17. 5		
1000			1100			1100			1100			1600		
12000			15000			15000			15000			21000		
35			45			49			52			60		
9. 15×3. 19×3. 1			10. 18×3. 31×3. 15			10. 78×3. 52×3. 16			10. 78×3. 52×3. 64			11. 53×3. 51×3. 81		

Technical Data

Description		BL1500DK-W			BL1700DK			BL1850DK-W		
		BL1500DK/Z13400			BL1700DK/Z19300			BL1850DK/Z19300		
International specification		Z13400			Z19300			Z19300		
Injection Unit										
Screw diameter	mm	110	120	130	120	135	145	120	135	145
Screw L/D ratio		23	23	23	23	23	23	23	23	23
Theoretical injection capacity	cm³	6082	7238	8495	8200	10378	11972	8200	10378	11972
Maximum Shot weight (PS)	g	5596	6659	7815	7544	9547	11014	7544	9547	11014
Maximum Shot weight (PS)	oz	197	235	276	266	337	388	266	337	388
Max. Injection speed	mm/s	105			100			100		
Injection rate in to the air	cm³/s	1038	1235	1450	1170	1481	1708	1170	1481	1708
Injection rate in to the air (PS)	g/s	955	1136	1334	1076	1362	1572	1076	1362	1572
Specific Injection pressure	MPa	221	186	158	236	186	161	236	186	161
Max. Screw speed	r/min	115			100			100		
Clamping Unit										
Clamping force	Ton	1531			1735			1888		
Clamping force	kN	15000			17000			18500		
Platen dimension (h×v)	mm×mm	2190×1890			2260×2100			2500×2060		
Distance between tie bars (h×v)	mm×mm	1520×1220			1620×1460			1860×1420		
Opening stroke	mm	2200/1500			2570/1700			2570/1700		
Min. mould height	mm	650			680			720		
Max. mould height	mm	1350			1550			1600		
Max. daylight	mm	2850			3250			3300		
Ejector stroke	mm	360			400			400		
Ejector force forward	kN	309			309			309		
Ejector force back	kN	210			210			210		
Number of ejector ping	PC	25			25			25		
Driving and Heating										
Heater power	kW	72	75	87	75	96	115	75	96	115
Pump Motor	kW	50+50+50			50+50+42+50			50+50+42+50		
System Pressure	MPa	17. 5			17. 5			17. 5		
Other										
Oil tank capacity	L	1600			2100			2100		
Maximum mould weight	kg	21000			35000			35000		
Machine weight	ton	61			75			82		
Machine dimensions (L×W×H)	m×m×m	11. 53×3. 74×3. 81			13. 23×4. 05×4. 20			13. 25×4. 26×4. 11		

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

BL2000DK			BL2100DK-W			BL2300DK				BL2500DK-W		
BL2000DK/Z19300			BL2100DK/Z19300			BL2300DK/Z25800		BL2300DK/Z27300*		BL2500DK/Z25800		
Z19300			Z19300			Z25800		Z27300*		Z25800		
120	135	145	120	135	145	140	150	160	170	140	150	160
23	23	23	23	23	23	23	23	23	22	23	23	23
8200	10378	11972	8200	10378	11972	12084	13872	15783	19293	12084	13872	15783
7544	9547	11014	7544	9547	11014	11117	12762	14521	17750	11117	12762	14521
266	337	388	266	337	388	392	450	512	626	392	450	512
100			100			90		90		90		
1170	1481	1708	1170	1481	1708	1361	1562	1778	2158	1361	1562	1778
1076	1362	1572	1076	1362	1572	1252	1437	1636	1985	1252	1437	1636
236	186	161	236	186	161	213	186	164	142	213	186	164
100			100			84		84		84		
2041			2143			2347				2551		
20000			21000			23000				25000		
2480×2320			2500×2060			2560×2360				2760×2360		
1720×1560			1850×1410			1820×1620				2020×1620		
2580/1700			2580/1700			2720/1800				2720/1800		
720			720			780				780		
1600			1600			1700				1700		
3300			3300			3500				3500		
450			450			450				450		
496			496			465				465		
396			396			310				310		
25			25			25				29		
75	96	115	75	96	115	109	123	128	145	109	123	128
50+50+42+50			50+50+42+50			50+50+50+50			50+50+50+50		50+50+50+50	
17. 5			17. 5			17. 5				17. 5		
2100			2100			2700		2700		2700		
42000			35000			50000		50000		5000		
90			83			120		125		123		
13. 41×4. 34×4. 20			13. 25×4. 26×4. 11			14. 55×4. 24×4. 20		14. 53×4. 32×4. 20		14. 57×4. 46×4. 20		

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

.18.

Technical Data

Description		BL2700DK			BL2800DK-W			BL3000DK		
		BL2700DK/Z36800			BL2800DK/Z36800			BL3000DK/Z36800		
International specification		Z36800			Z36800			Z36800		
Injection Unit										
Screw diameter	mm	160	170	185	160	170	185	160	170	185
Screw L/D ratio		23	23	23	23	23	23	23	23	23
Theoretical injection capacity	cm³	18598	20996	24864	18598	20996	24864	18598	20996	24864
Maximum Shot weight(PS)	g	17110	19316	22875	17110	19316	22875	17110	19316	22875
Maximum Shot weight(PS)	oz	603	681	807	603	681	807	603	681	807
Max. Injection speed	mm/s	85			85			85		
Injection rate in to the air	cm³/s	1932	2182	2583	1855	2094	2480	1855	2094	2480
Injection rate in to the air(PS)	g/s	1778	2007	2377	1707	1927	2282	1707	1927	2282
Specific Injection pressure	MPa	198	175	148	198	175	148	198	175	148
Max. Screw speed	r/min	69			69			69		
Clamping Unit										
Clamping force	Ton	2755			2857			3061		
Clamping force	kN	27000			28000			30000		
Platen dimension (h×v)	mm×mm	2700×2500			2850×2500			2850×2650		
Distance between tie bars(h×v)	mm×mm	1920×1720			2170×1720			2020×1820		
Opening stroke	mm	2920/1900			2920/1900			3020/2000		
Min. mould height	mm	780			780			880		
Max. mould height	mm	1800			1800			1900		
Max. daylight	mm	3700			3700			3900		
Ejector stroke	mm	500			500			500		
Ejector force forward	kN	465			465			465		
Ejector force back	kN	310			310			310		
Number of ejector ping	PC	29			29			29		
Driving and Heating										
Heater power	kW	128	158	173	128	158	173	128	158	173
Pump Motor	kW	50+50+50+50+50			50+50+50+50+50			50+50+50+50+50		
System Pressure	MPa	17. 5			17. 5			17. 5		
Other										
Oil tank capacity	L	2100			2100			2100		
Maximum mould weight	kg	68000			68000			72000		
Machine weight	ton	135			143			155		
Machine dimensions (L×W×H)	m×m×m	15. 98×4. 45×4. 48			15. 98×4. 78×4. 48			16. 18×4. 88×4. 48		

BL3000DK-W			BL3500DK			BL4000DK			BL5000DK			BL6800DK		
BL3000DK/Z36800			BL3500DK/Z58100			BL4000DK/Z79800			BL5000DK/Z79800			BL6800DK/Z119000		
Z36800			Z58100			Z79800			Z79800			Z119000		
160	170	185	185	200	220	200	220	240	200	220	240	220	240	260
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
18598	20996	24864	28224	32987	39914	38013	45996	54739	38013	45996	54739	57780	68763	80701
17110	19316	22875	25966	30348	36720	34972	42316	50360	34972	42316	50360	53157	63262	74245
603	681	807	916	1070	1295	1233	1492	1776	1233	1492	1776	1875	2231	2619
85			66			55			55			50		
1855	2094	2480	1775	2074	2510	1750	2117	2520	1750	2117	2520	2138	2545	2987
1707	1927	2282	1633	1908	2309	1610	1948	2318	1610	1948	2318	1968	2342	2748
198	175	148	206	176	146	210	174	146	210	174	146	208	174	148
69			60			54			54			50		
3061			3571			4082			5102			6939		
30000			35000			40000			50000			68000		
2850×2500			3120×2720			3340×2790			3570×3020			4150×3450		
2150×1700			2220×1820			2420×1870			2550×2000			3000×2300		
3020/2000			3180/2160			3480/2360			3680/2460			4200/2900		
880			980			980			1080			1200		
1900			2000			2100			2300			2500		
3900			4160			4460			4760			5400		
500			550			550			550			1000		
465			465			619			619			891		
310			310			420			420			616		
29			33			33			33			33		
128	158	173	173	216	236	216	236	263	216	236	263	236	263	290
50+50+50+50+50			50+50+50+50+50			50+50+50+50+50			50+50+50+50+50			50+50+50+50+50+42		
17. 5			17. 5			17. 5			17. 5			17. 5		
2100			2100			2100			2100			2600		
72000			80000			100000			100000			180000		
146			195			254			330			420		
16. 18×4. 78×4. 48			17. 91×5. 12×4. 69			20. 50×5. 63×4. 99			23. 5×5. 6×5. 0			25. 5×6. 5×6. 0		