YENİ NESİL HİZMET, YENİ NESİL TEDARİKÇİNİZ
NEW GENERATION SERVICE, NEW GENERATION SUPPLIER

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favorigrup.com *Bole DK Serisi / Series*

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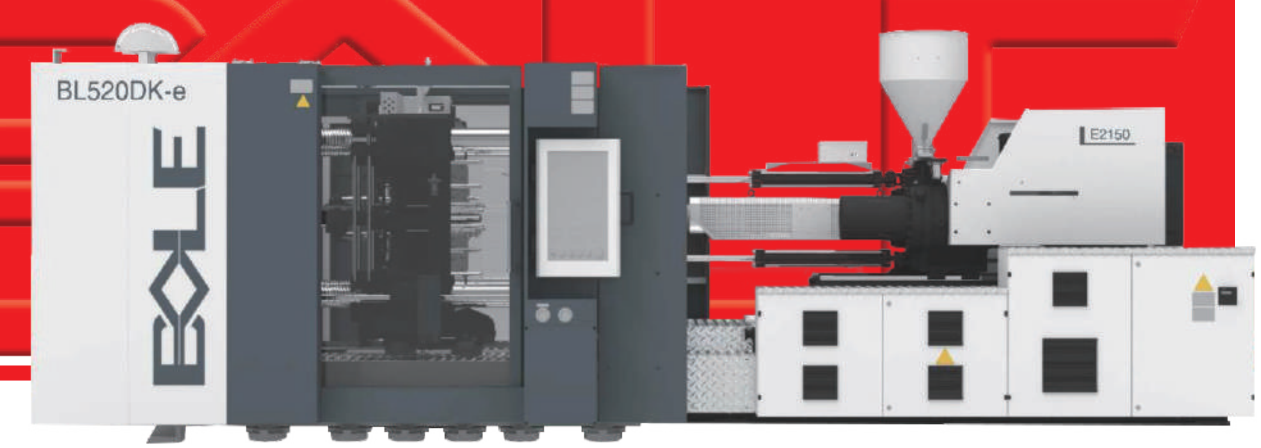
DK-e Series

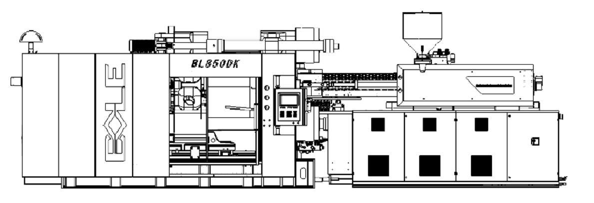
Electric Two Platen Injection Moulding Machine

German Origin



Injection Moulding Machine

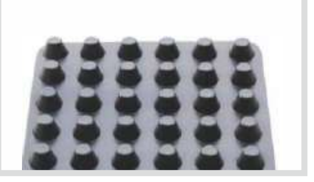
DK-e Series




Automobile


Household appliances


Deep cavity products


Logistics

BOLE DK-e Series operates independently with German engineering and performance for the highest quality for today's demand injection moulding applications.

Over 100 tests run on more than 20 horizontal machines to increase speed, accuracy and stability.

Electric Two Platen DK-e Series Injection Moulding Machine Solves Your Biggest Problems

BOLE Electric Two Platen DK-e Series injection moulding machines can solve the problems below:

Tie Bars Breaking Easily

Typically an injection moulding machinery manufacturer will ship a spare tie bar with the machine in case of a tie bar break during use.
The BOLE DK Series Two-Platen machine solves the problem of tie-bar breakage, making it one of the best in the industry.

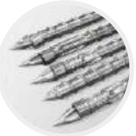
Mould Open & Close Malfunction

Limitations in computer software development means that many competing injection moulding machines must slow down the speed of the mould open and close to avoid vibration in the mould and machine.
BOLE DK Series has solved this problem with its superior software to prevent vibration that can damage the mould and machine.

Lock Nut Failure

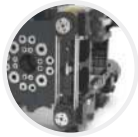
Production operations often must be stopped due to lock nut failure.
BOLE DK Series injection moulding machine has corrected this situation with improved lock nuts.

DK-e Series Electric Two Platen Injection Moulding Machine



German Engineering PU

German-engineering plasticizing
system for greater efficiency
by 20%



Forged Tie Bar (Patent Pending)

Patent Pending anti-break tie bars

Electric Nut Locking

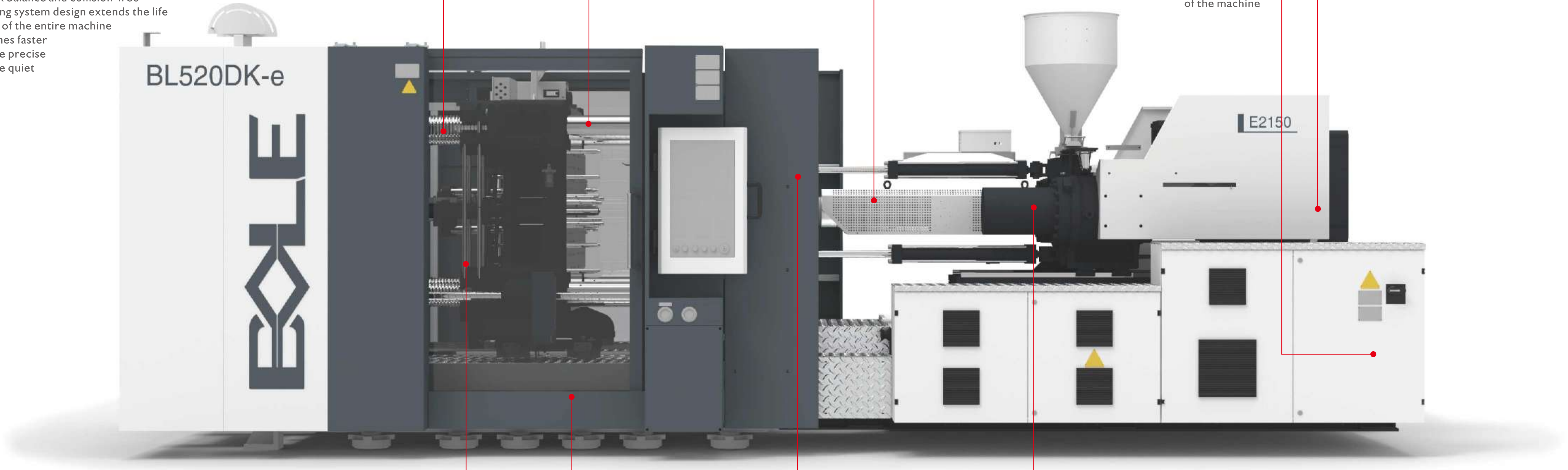
Quick balance and collision-free
braking system design extends the life
cycle of the entire machine
-3 times faster
-More precise
-More quiet

Independent F&C System

Independent filter cooling system
provides extreme stability of the oil
temperature in the hydraulic circuit
of the machine

Electric Plasticizing

More precision
Less energy
Less noise



Progressive Pitch-Distance Design

Variable pitch screw holding nut means
equal stress on each tooth of the nut
resulting in longer life for the locking nut

Linear Guide

Linear guide in clamping unit ensures the
position accuracy of the moving platen,
resulting in faster opening and closing speed

Electric Mold Movement(≤1000t)

Faster moving and more precise opening position.
Repeatability <0.1mm.
Better control for ICM process.

Electric Injection & Holding

Min. 5 times more precise than hydraulic drive
Higher reliability,
Lower energy consumption

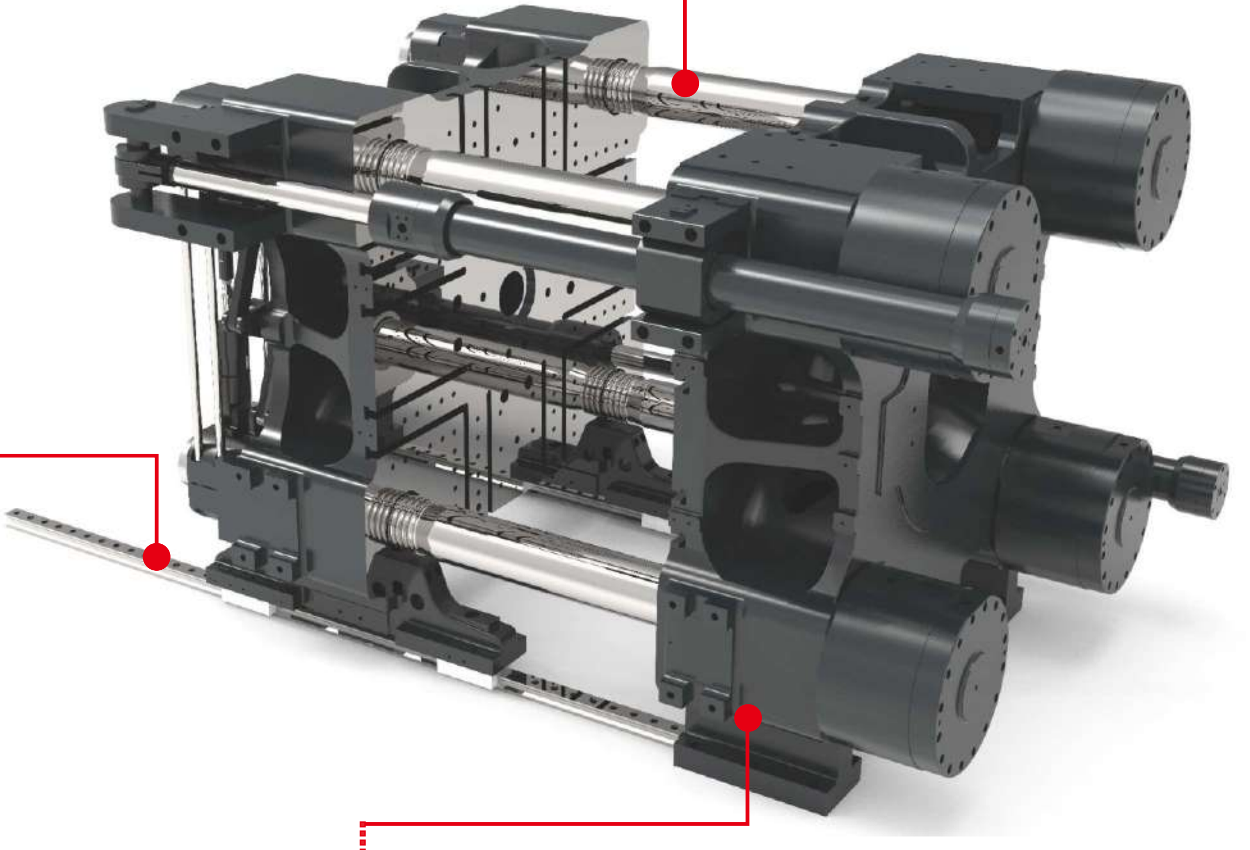
DK-e Series Electric Two-Platen Injection Moulding Machine: 9 Core Features

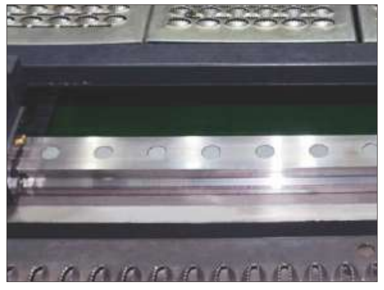
01 Forged Tie Bar (Patent Pending):

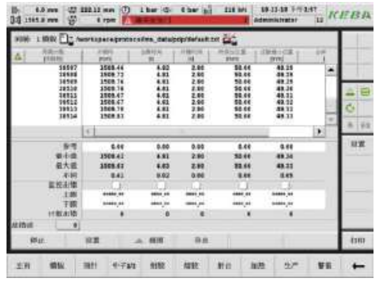
Less stress on the weak point of the tie bar means almost no risk of fracture.
Can withstand high loadings; resistant to bending.

02 Linear Guide:

DK-e Series Two Platen machines incorporate high-precision, rigid linear guide coordinates with sliding block to support moveable platens, guaranteeing precision positioning of the platens and faster opening and closing speed. Eliminates the problem of splashing lubricating oil and improving the performance of the entire machine.





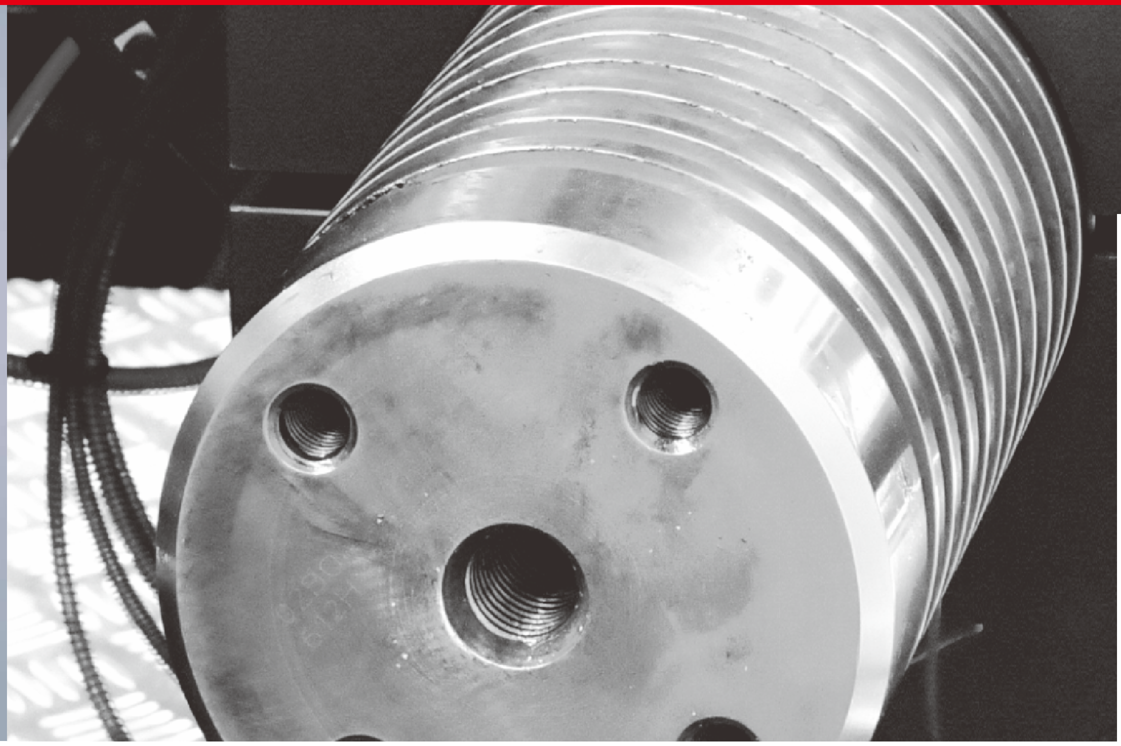


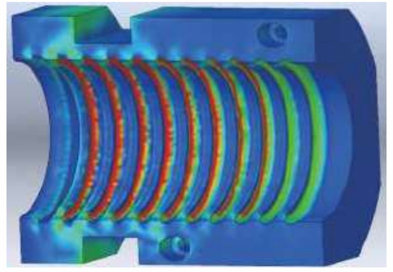
03 Electric Mould Movement(＜1000t)

Faster moving and more precise opening Position
Repeatability ＜0. 1mm
Better control for ICM process.

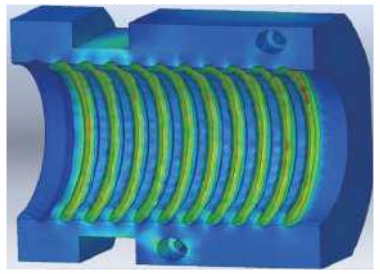
DK-e Series electric two-platen injection moulding machine developed with German engineering, reshapes the two-platen injection machine market.

German Technology · Made In China





Same tooth spacing, uneven force



Variable tooth spacing, even force

04 Electric Nut Locking:

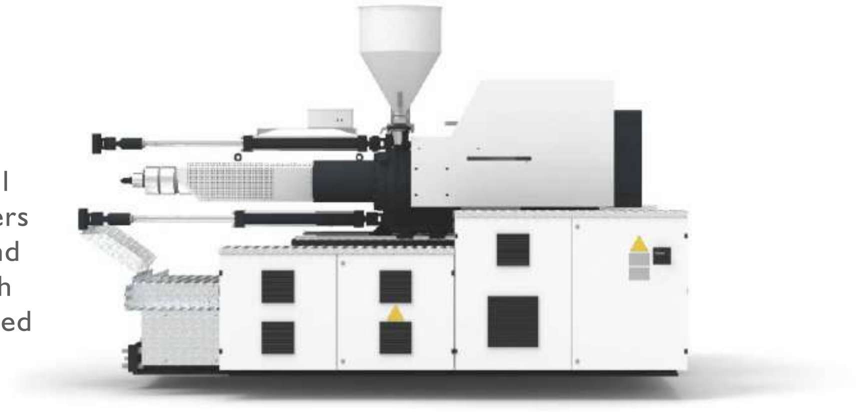
Fast, smooth, and quiet the DK-e Series machine contains a more effective locknut to protect the tie bar and the nut itself for longer equipment life.

05 German Engineering PU:

Designed with German engineering,
BOLE DK-e Series injection moulding machine's plasticizing system provides 20% higher capacity.

06 Full Electric Injection Unit

The injection holding and plasticizing are all driven by electric servo motors, which offers extremely high precision, high reliability and lower energy consumption. Moreover, with thefull electric injection unit, the sophiscated CPBCprocess control is also available.



07 Progressive Pitch-distance Design:

Results in longer life for the locking nuts by even stress distribution.

08 Independent Filtering and Cooling System:

Very compact and uses less space; stabilizes the oil temperature without interrupting cycle time and other working elements during production.

09 Close Loop Temperature Control:

The temperature of the lower feed port is incorporated in the closed-loop control of the temperature unit, which improves the efficiency and accuracy of the entire injection unit. This prevents the influence of unloading and misalignment of the injection unit.

Technical Data

DESCRIPTION	UNIT	BL520DK				BL650DK			
International specification		BL520DK/E2150				BL650DK/E3250			
Injection Unit									
Injection model		E2150				E3250			
Screw diameter	mm	60	65	70	75	70	75	80	85
Screw L/D ratio		23	23	23	23	23	23	23	23
Theoretical injection capacity	cm^3	919	1078	1251	1436	1424	1635	1860	2100
Shot weight (PS)	g	836	981	1138	1307	1296	1488	1693	1911
	oz	29	35	40	46	46	52	60	67
Injection piston speed	mm/s	165				165			
Injection rate	cm^3/s	467	548	635	729	635	729	829	936
	g/s	425	498	578	663	578	663	755	852
Injection pressure	Mpa	235	200	172	150	230	200	176	156
Holding Pressure	Mpa	188	160	138	120	184	160	141	125
Screw speed	r/min	200				200			
Clamping Unit									
Clamping force	Ton	531				663			
	kN	5200				6500			
Platen dimension (h×v)	mm×mm	1250×1200				1380×1280			
Space between tie bar (h×v)	mm×mm	860×810				960×860			
Opening stroke	mm	1100/600				1300/750			
Min. mould height	mm	350				350			
Max. mould height	mm	850				900			
Max. daylight	mm	1450				1650			
Ejector stroke	mm	250				250			
Ejector force forward	kN	124				124			
Ejector force back	kN	75				75			
Number of ejector rod	PC	13				21			
Driving System Power									
Heater power	KW	27	29.2	30	31.4	32	35.5	36.4	37.5
Pump motor	KW	42+30				42+42			
Sys. pressure	Mpa	17.5				17.5			
Others									
Oil tank capacity	L	500				600			
Max. mold weight	kg	6500				8000			
Net weight	Ton	18				22			
Machine size (L×W×H)	m×m×m	7.39×2.46×2.68				7.75×2.57×2.96			

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

DESCRIPTION	UNIT	BL850DK-W			BL1050DK-W			BL1200DK-W			BL1300DK-W		
International specification		BL850DK/E5900			BL1050DK/E5900			BL1200DK/E7000			BL1300DK/E7000		
Injection Unit													
Injection model		E5900			E5900			E7000			E7000		
Screw diameter	mm	80	90	100	80	90	100	90	100	110	90	100	110
Screw L/D ratio		23	23	23	23	23	23	23	23	23	23	23	23
Theoretical injection capacity	cm^3	2512	3179	3925	2512	3179	3925	2990	3691	4467	2990	3691	4467
Shot weight (PS)	g	2286	2893	3572	2286	2893	3572	2721	3359	4065	2721	3359	4065
	oz	81	102	126	81	102	126	96	118	143	96	118	143
Injection piston speed	mm/s	165			165			150			150		
Injection rate	cm^3/s	829	1050	1296	829	1050	1296	954	1178	1425	954	1178	1425
	g/s	755	955	1179	755	955	1179	868	1072	1297	868	1072	1297
Injection pressure	Mpa	228	180	146	228	180	146	235	190	157	235	190	157
Holding Pressure	Mpa	203	160	130	203	160	130	200	162	134	200	162	134
Screw speed	r/min	160			160			150			150		
Clamping Unit													
Clamping force	Ton	867			1071			1224			1327		
	kN	8500			10500			12000			13000		
Platen dimension (h×v)	mm×mm	1630×1400			1985×1725			1985×1725			1985×1725		
Space between tie bar (h×v)	mm×mm	1160×910			1440×1180			1420×1160			1420×1160		
Opening stroke	mm	1600/950			2270/1500			2270/1500			2270/1500		
Min. mould height	mm	450			580			580			580		
Max. mould height	mm	1100			1350			1350			1350		
Max. daylight	mm	2050			2850			2850			2850		
Ejector stroke	mm	280			320			320			320		
Ejector force forward	kN	232			232			232			232		
Ejector force back	kN	155			155			155			155		
Number of ejector rod	PC	17			25			25			25		
Driving System Power													
Heater power	KW	43	48.5	54	50	54.2	58.4	50	54.2	58.4	56.2	60.4	62.4
Pump motor	KW	50+42			50+17+50			50+17+50			50+21+50		
Sys. pressure	Mpa	17.5			17.5			17.5			17.5		
Others													
Oil tank capacity	L	800			900			900			1000		
Max. mold weight	kg	12000			15000			15000			15000		
Net weight	Ton	30			49			49			52		
Machine size (L×W×H)	m×m×m	9.15×3.19×3.06			10.78×3.52×3.2			10.78×3.52×3.2			10.78×3.52×3.64		

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

Technical Data

DESCRIPTION	UNIT	BL1500DK-W			BL1850DK-W			BL2100DK-W		
International specification		BL1500DK/E9200			BL1850DK/E12800			BL2100DK/E12800		
Injection Unit										
Injection model		E9200			E12800			E12800		
Screw diameter	mm	100	110	120	110	120	130	110	120	130
Screw L/D ratio		23	23	23	23	23	23	23	23	23
Theoretical injection capacity	cm^3	4006	4847	5768	5227	6220	7300	5227	6220	7300
Shot weight (PS)	g	3645	4411	5249	4757	5660	6643	4757	5660	6643
	oz	129	156	185	168	200	234	168	200	234
Injection piston speed	mm/s	150			130			130		
Injection rate	cm^3/s	1178	1425	1696	1235	1470	1726	1235	1470	1726
	g/s	1072	1297	1544	1124	1338	1570	1124	1338	1570
Injection pressure	Mpa	230	190	160	244	205	175	244	205	175
Holding Pressure	Mpa	202	167	140	199	167	142	199	167	142
Screw speed	r/min	150			140			140		
Clamping Unit										
Clamping force	Ton	1531			1888			2143		
	kN	15000			18500			21000		
Platen dimension (h×v)	mm×mm	2190×2070			2500×2160			2500×2160		
Space between tie bar (h×v)	mm×mm	1520×1360			1860×1520			1850×1510		
Opening stroke	mm	2200/1500			2580/1700			2580/1700		
Min. mould height	mm	650			720			720		
Max. mould height	mm	1350			1600			1600		
Max. daylight	mm	2850			3300			3300		
Ejector stroke	mm	360			400			450		
Ejector force forward	kN	309			309			496		
Ejector force back	kN	210			210			396		
Number of ejector rod	PC	25			25			25		
Driving System Power										
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		
Sys. pressure	Mpa	17.5			17.5			17.5		
Others										
Oil tank capacity	L	1100			1400			1400		
Max. mold weight	kg	21000			35000			42000		
Net weight	Ton	61			82			83		
Machine size (L×W×H)	m×m×m	11.53×3.74×3.81			13.25×4.26×4.11			13.25×4.26×4.11		

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

DESCRIPTION	UNIT	BL2500DK-W			BL2800DK-W			BL3000DK-W		BL3300DK	
International specification		BL2500DK/E17800			BL2800DK/E17800			BL3000DK/E22800		BL3300DK/E22800	
Injection Unit											
Injection model		E17800			E17800			E22800		E22800	
Screw diameter	mm	130	140	150	130	140	150	140	150	140	150
Screw L/D ratio		23	23	23	23	23	23	23	23	23	23
Theoretical injection capacity	cm^3	8362	9698	11133	8362	9698	11133	10468	12017	10468	12017
Shot weight (PS)	g	7609	8825	10131	7609	8825	10131	9526	10935	9526	10935
	oz	268	311	357	268	311	357	336	386	336	386
Injection piston speed	mm/s	130			130			130		130	
Injection rate	cm^3/s	1726	2001	2297	1726	2001	2297	2001	2297	2001	2297
	g/s	1570	1821	2091	1570	1821	2091	1821	2091	1821	2091
Injection pressure	Mpa	213	184	160	213	184	160	218	190	218	190
Holding Pressure	Mpa	191	165	144	191	165	144	196	171	196	171
Screw speed	r/min	120			120			110		110	
Clamping Unit											
Clamping force	Ton	2551			2857			3061		3367	
	kN	25000			28000			30000		33000	
Platen dimension (h×v)	mm×mm	2760×2460			2850×2600			2850×2600		3050×2750	
Space between tie bar (h×v)	mm×mm	2020×1720			2185×1855			2165×1835		2220×1900	
Opening stroke	mm	2720/1800			2920/1900			3020/2000		3220/2200	
Min. mould height	mm	780			780			880		980	
Max. mould height	mm	1700			1800			1900		2000	
Max. daylight	mm	3500			3700			3900		4200	
Ejector stroke	mm	450			500			500		550	
Ejector force forward	kN	465			465			465		465	
Ejector force back	kN	310			310			310		310	
Number of ejector rod	PC	29			29			29		33	
Driving System Power											
Heater power	KW	109	123	128	128	158	173	128	158	173	216
Pump motor	KW	50+50+50+50			50+50+50+50+50			50+50+50+50+50		50+50+50+50+50	
Sys. pressure	Mpa	17.5			17.5			17.5		17.5	
Others											
Oil tank capacity	L	1500			1800			1800		1800	
Max. mold weight	kg	50000			68000			72000		80000	
Net weight	Ton	123			143			146		195	
Machine size (L×W×H)	m×m×m	14.57×4.46×4.20			16.15×4.77×4.41			16.35×4.77×4.41		17.91×5.12×4.69	

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