

DK Series



The Passionate Pursuit of Perfection

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DK Series Two Platen Injection Moulding Machine

German Origin



Injection Moulding Machine

Technical Data

Injection Unit	
International specification	
Screw diameter	mm
Screw L/D ratio	
Calculated injection volume	cm ³
Shot weight,PS	g
	oz
Injection max speed	mm/s
Injection rate	cm ³ /s
	g/s
Injection pressure	MPa
Screw speed	r/min
Clamping Unit	
Clamping force	Ton
	kN
Size of mould platens(h x v)	mm x mm
Clearance between tie bars (h x v)	mm x mm
Opening stroke	mm
Mould height min.	mm
Mould height max.	mm
Max. daylight	mm
Ejector stroke	mm
Ejector force forward	kN
Ejector force backward	kN
Number of ejector rods	PCS
Driving and Heating	
Installed heating power	kW
Drive power	kW
Working pressure	MPa
Other	
Oil tank capacity	L
Maximum mould weight	kg
Net weight	ton
Machine dimensions (LxWxH)	m x m x m

BL520DK		BL620DK			BL750DK			BL950DK			BL1100DK			BL1400DK			
BL520DK/Z2950		BL620DK/Z3700			BL750DK/Z4800			BL950DK/Z5900			BL1100DK/Z7900			BL1400DK/Z13400			
Injection Unit				Clamping Unit				Driving and Heating				Other					
2950		3700			4800			5900			7900			13400			
65	75	80	70	80	85	75	85	90	80	90	100	90	100	110	110	120	130
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
1227	1634	1859	1596	2085	2354	2009	2581	2893	2513	3181	3927	3467	4280	5180	6082	7238	8495
1129	1503	1710	1469	1918	2165	1848	2374	2662	2312	2926	3612	3189	3938	4765	5596	6659	7815
40	53	60	52	68	77	65	84	94	82	103	127	112	138	168	197	235	276
	116			119			116			106			104			105	
386	514	585	458	598	675	513	659	738	519	657	812	666	822	995	1038	1235	1450
351	467	532	417	544	614	467	599	672	478	605	747	612	756	915	955	1136	1334
246	185	162	234	179	159	239	186	166	230	182	147	230	186	154	221	186	158
	160			147			140			135			120			115	
	531			633			765			969			1122			1429	
	5200			6200			7500			9500			11000			14000	
	1260X1210			1380X1280			1500X1360			1560X1420			1855X1715			2130X2030	
	860X810			960X860			1060X920			1160X1020			1260X1120			1420X1320	
	1100/600			1300/750			1400/800			1600/950			1870/1150			2200/1500	
	350			350			400			450			480			650	
	850			900			1000			1100			1200			1350	
	1450			1650			1800			2050			2350			2850	
	250			250			280			280			320			360	
	124			124			232			232			232			309	
	75			75			155			155			155			210	
	13			21			17			17			25			25	
22	25	22	28	33	37	32	38	42	37	42	56	42	56	72	72	75	87
	30+30			30+42			50+30			50+30			50+30+21			50+50+50	
	17.5			17.5			17.5			17.5			17.5			17.5	
	720			800			900			1000			1400			2000	
	6500			8000			9500			12000			15000			21000	
	20			22			26			38			50			75	
	7.3X2.2X2.7			7.8X2.5X3.2			8.4X2.8X2.8			9.3X3.0X2.8			10.6X3.2X2.8			11.6X3.4X3.1	

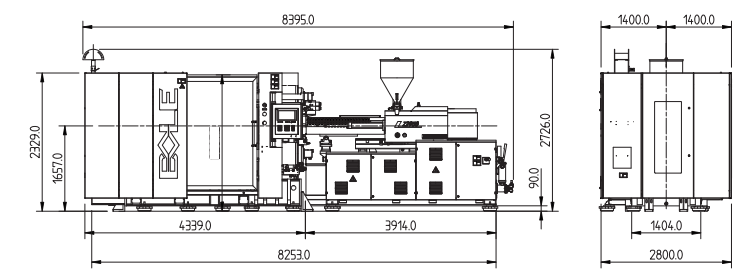
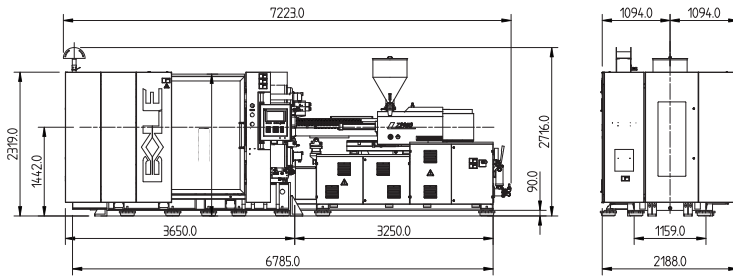
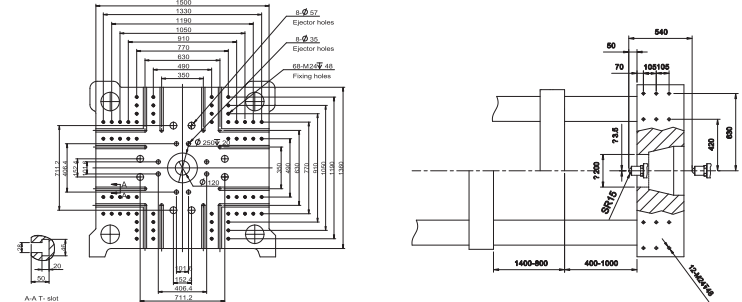
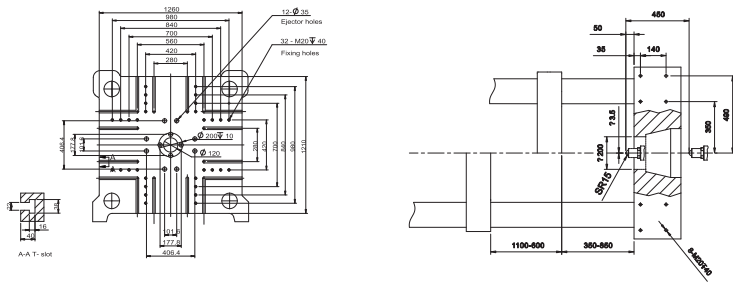
Technical Data

Injection Unit	
International specification	
Screw diameter	mm
Screw L/D ratio	
Calculated injection volume	cm ³
Shot weight,PS	g
	oz
Injection max speed	mm/s
Injection rate	cm ³ /s
	g/s
Injection pressure	MPa
Screw speed	r/min
Clamping Unit	
Clamping force	Ton
	kN
Size of mould platens(h x v)	mm x mm
Clearance between tie bars (h x v)	mm x mm
Opening stroke	mm
Mould height min.	mm
Mould height max.	mm
Max. daylight	mm
Ejector stroke	mm
Ejector force forward	kN
Ejector force backward	kN
Number of ejector rods	PCS
Driving and Heating	
Installed heating power	kW
Drive power	kW
Working pressure	MPa
Other	
Oil tank capacity	L
Maximum mould weight	kg
Net weight	ton
Machine dimensions (LxWxH)	m x m x m

BL1700DK			BL2000DK			BL2300DK			BL2300DK			BL2700DK			BL3000DK		
BL1700DK/ZI9300			BL2000DK/ZI9300			BL2300DK/Z25800			BL2300DK/Z27300*			BL2700DK/Z36800			BL3000DK/Z36800		
Injection Unit																	
19300			19300			25800			27300*			36800			36800		
120	135	145	120	135	145	140	150	160	170	160	170	185	160	170	185		
23	23	23	23	23	23	23	23	23	22	23	23	23	23	23	23		
8200	10378	11972	8200	10378	11972	12084	13872	15783	19293	18598	20996	24864	18598	20996	24864		
7544	9547	11014	7544	9547	11014	11117	12762	14521	17750	17110	19316	22875	17110	19316	22875		
266	337	388	266	337	388	392	450	512	626	603	681	807	603	681	807		
110			110			96			95	95			95				
1235	1563	1803	1235	1563	1803	1432	1645	1871	2158	1932	2182	2583	1932	2182	2583		
1136	1438	1659	1136	1438	1659	1318	1513	1722	1985	1778	2007	2377	1778	2007	2377		
236	186	161	236	186	161	213	186	164	142	198	175	148	198	175	148		
100			100			84			84	69			69				
Clamping Unit																	
1735			2041			2347			2347	2755			3061				
17000			20000			23000			23000	27000			30000				
2260X2100			2480X2320			2560X2360			2560X2360	2700X2500			2840X2640				
1620X1460			1720X1560			1820X1620			1820X1620	1920X1720			2020X1820				
2570/1700			2580/1700			2720/1800			2720/1800	2920/1900			3020/2000				
680			720			780			780	780			880				
1550			1600			1700			1700	1800			1900				
3250			3300			3500			3500	3700			3900				
400			450			450			450	500			500				
309			465			465			465	465			465				
210			310			310			310	310			310				
25			25			25			25	29			29				
Driving and Heating																	
75	96	115	75	96	115	109	123	128	145	128	158	173	128	158	173		
42+50+50+50			42+50+50+50			50+50+50+50			50+50+50+50	50+50+50+50+50			50+50+50+50+50				
17.5			17.5			17.5			17.5	17.5			17.5				
Other																	
2500			2500			3000			3000	3200			3200				
35000			42000			50000			50000	68000			72000				
88			100			120			125	135			155				
13.3X3.7X3.3			13.7X4.1X3.5			14.3X4.1X3.7			14.3X4.1X3.7	15.5X4.3X4.1			16.5X4.5X4.2				

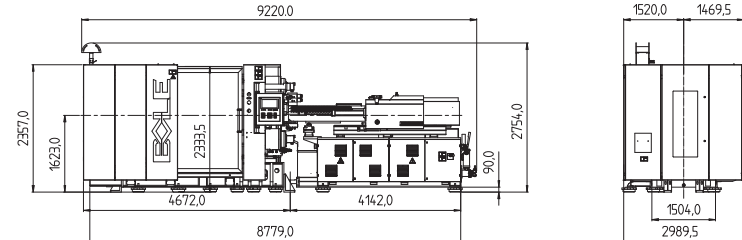
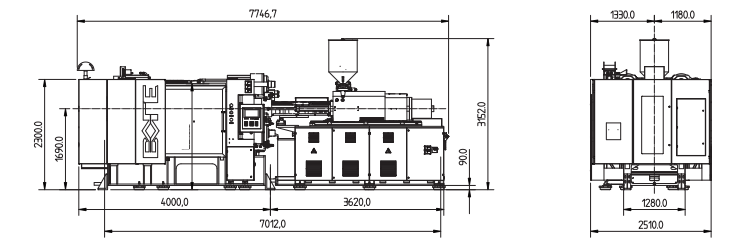
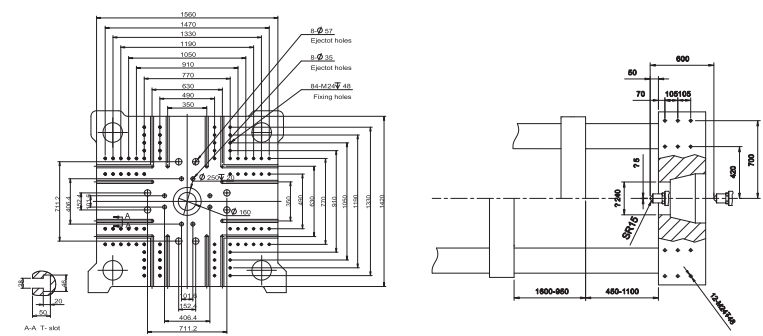
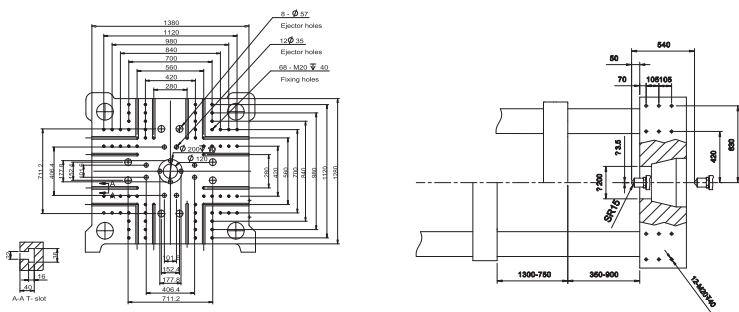
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BL3500DK/Z58100			BL4000DK/Z79800			BL5000DK/Z79800			BL6800DK/Z119000		
Injection Unit											
58100			79800			79800			119000		
185	200	220	200	220	240	200	220	240	220	240	260
23	23	23	23	23	23	23	23	23	23	23	23
28224	32987	39914	38013	45996	54739	38013	45996	54739	57780	68763	80701
25966	30348	36720	34972	42316	50360	34972	42316	50360	53157	63262	74245
916	1070	1295	1233	1492	1776	1233	1492	1776	1875	2231	2619
69			58			58			56		
1856	2170	2626	1822	2205	2625	1822	2205	2625	2138	2545	2987
1708	1996	2416	1677	2029	2415	1677	2029	2415	1968	2342	2748
206	176	146	210	174	146	210	174	146	208	174	148
60			54			54			50		
Clamping Unit											
3571			4082			5102			6939		
35000			40000			50000			68000		
3120X2820			3340X2940			3820X3420			4350X3750		
2220X1920			2420X2020			2800X2400			3200X2600		
3180/2160			3480/2360			3680/2460			4200/2900		
980			980			1080			1200		
2000			2100			2300			2500		
4160			4460			4760			5400		
550			550			550			1000		
465			619			619			891		
310			420			420			616		
33			33			33			33		
Driving and Heating											
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			42+50+50+50+50+50		
17.5			17.5			17.5			17.5		
Other											
3500			3500			3500			3800		
80000			100000			100000			180000		
195			254			330			420		
19.5X4.9X4.7			20.5X5.0X5.0			23.5X5.3X5.0			25.5X5.8X5.3		

Platen Size



BL520DK

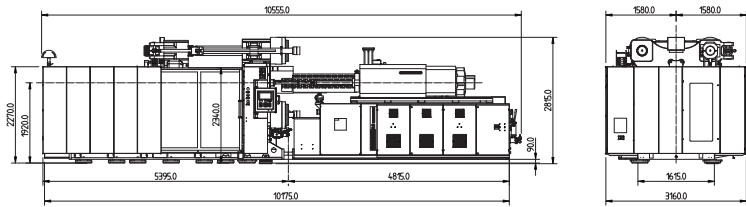
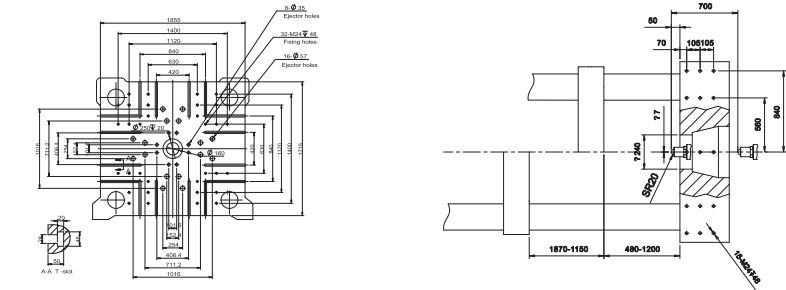
BL750DK



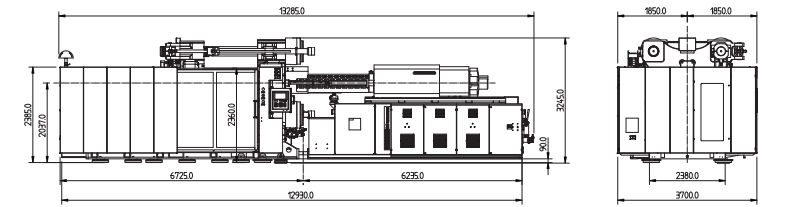
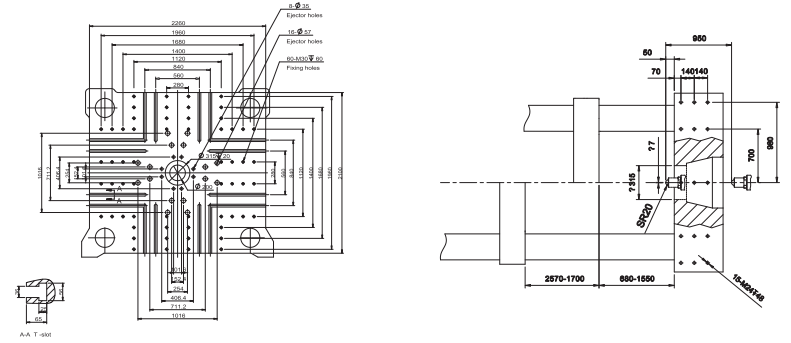
BL620DK

BL950DK

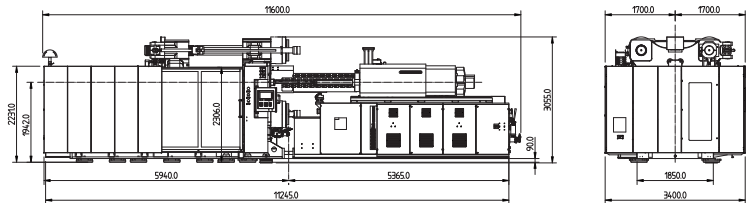
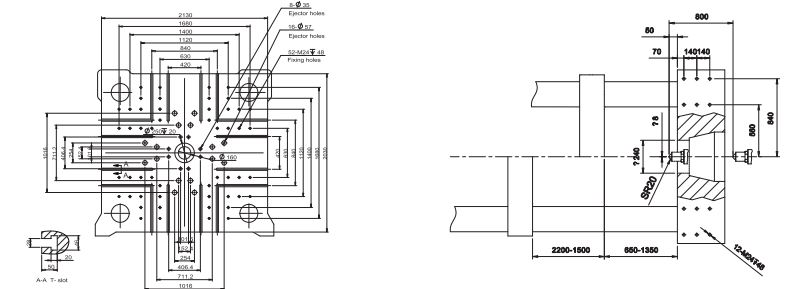
Platen Size



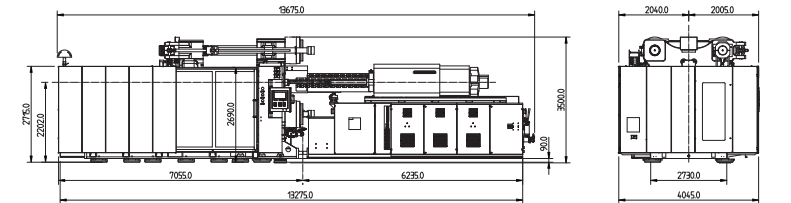
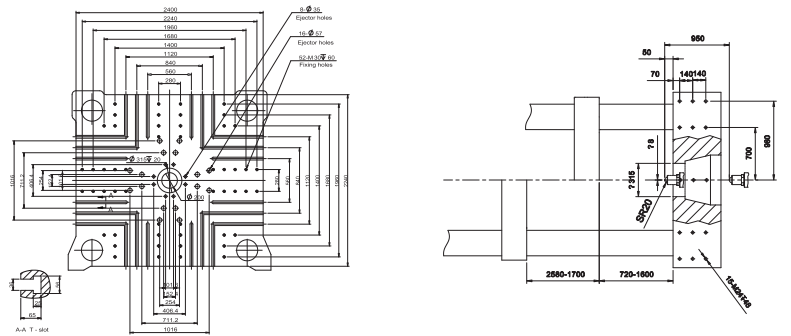
BL1100DK



BL1700DK

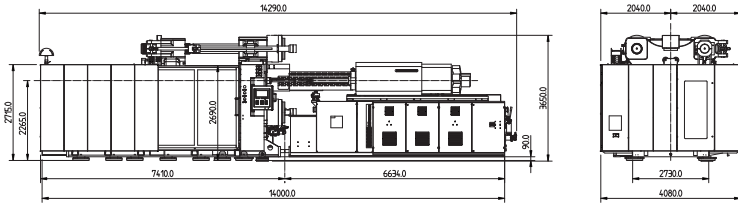
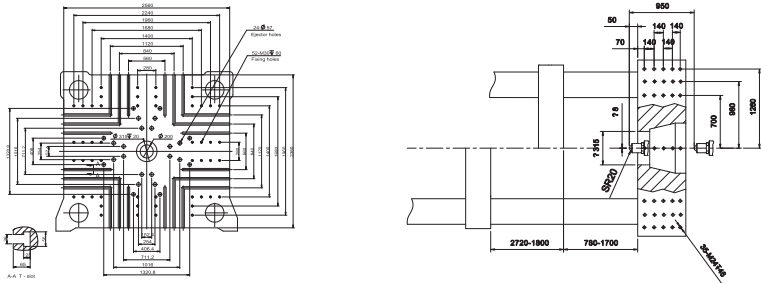


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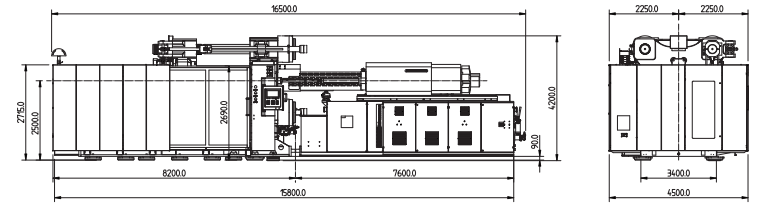
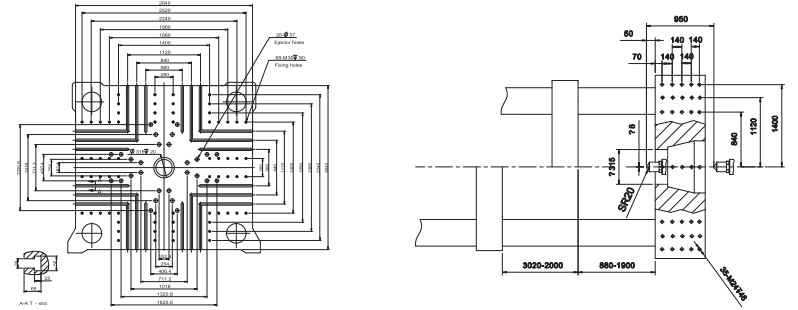


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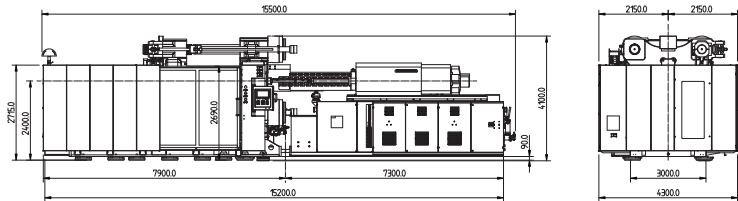
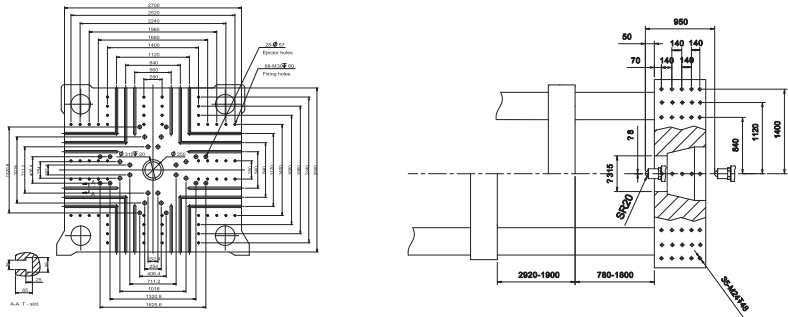
Platen Size



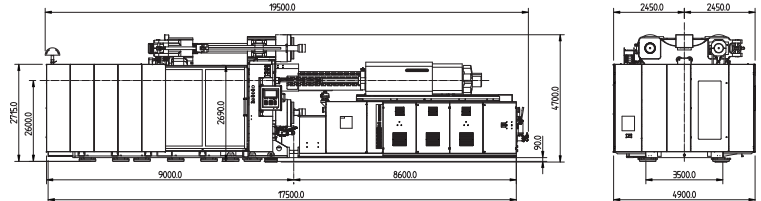
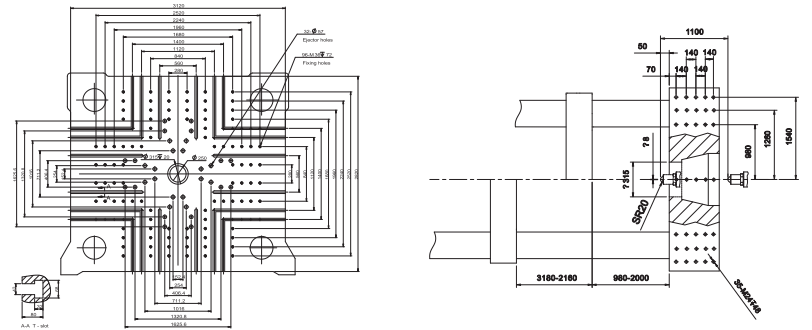
BL2300DK



BL3000DK

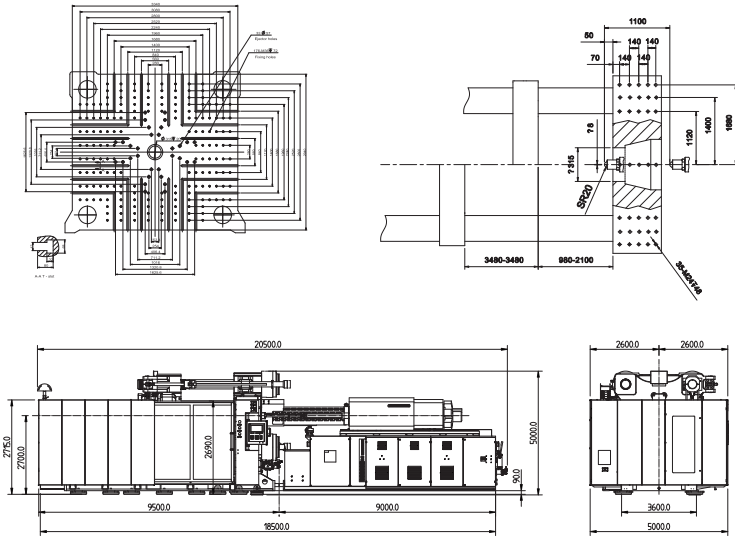


BL2700DK

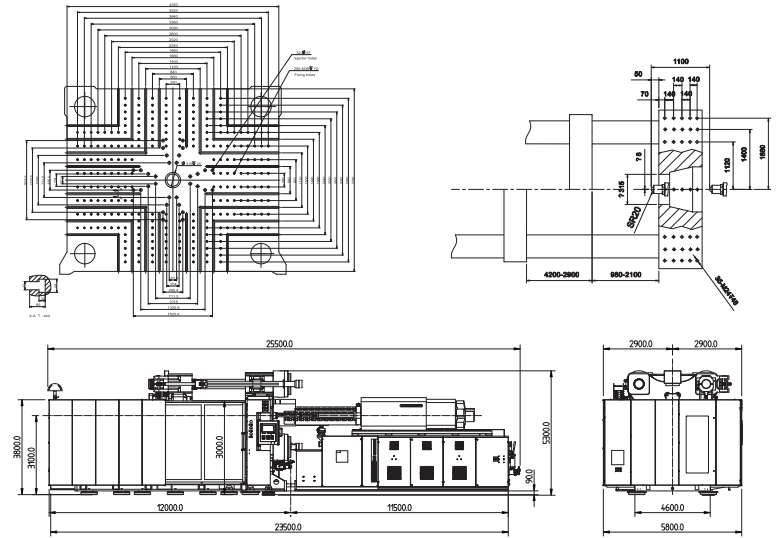


BL3500DK

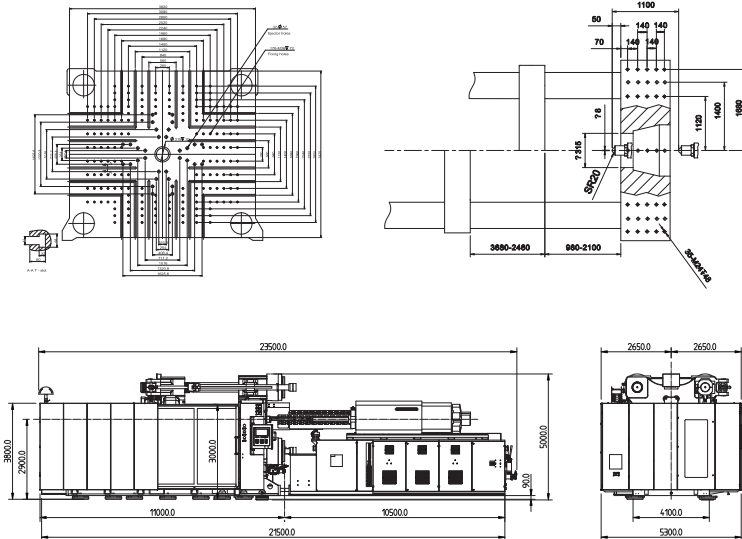
Platen Size



BL4000DK



BL6800DK



BL5000DK

Combination of clamp unit and injection unit

Injection unit	Z2950	Z3700	Z4800	Z5900	Z7900	Z13400	Z19300	Z25800	Z27300*	Z36800	Z58100	Z79800	Z119000		
Screw diameter	65/70/80	70/80/85	75/85/90	80/90/100	90/100/110	110/120/130	120/135/145	140/150/160	170	160/170/185	185/200/220	220/220/240	220/240/260		
Clamping force (kN)	5200	6200	7500	9500	11000	14000	17000	20000	23000	27000	30000	35000	40000	50000	68000
Space between tie bar	860 × 810	960 × 860	1060 × 920	1160 × 1020	1260 × 1120	1420 × 1320	1620 × 1460	1720 × 1560	1820 × 1620	1920 × 1720	2020 × 1820	2220 × 1920	2420 × 2020	2800 × 2400	3200 × 2600
	●	◎	◎												
		◎	●	◎	◎										
			◎	●	◎	◎									
				◎	●	◎	◎								
					◎	●	◎	◎							
						◎	◎	●	◎						
							◎	◎		◎	◎	●	◎		
								◎		◎	◎	●	◎		
									◎	◎	◎	●	◎		

Remark : ● Standard ◎ Optional