

DK Serisi / *DK Series*

Çift Plaka Plastik Enjeksiyon Makinesi
Two Platen Injection Moulding Machine

BOLE

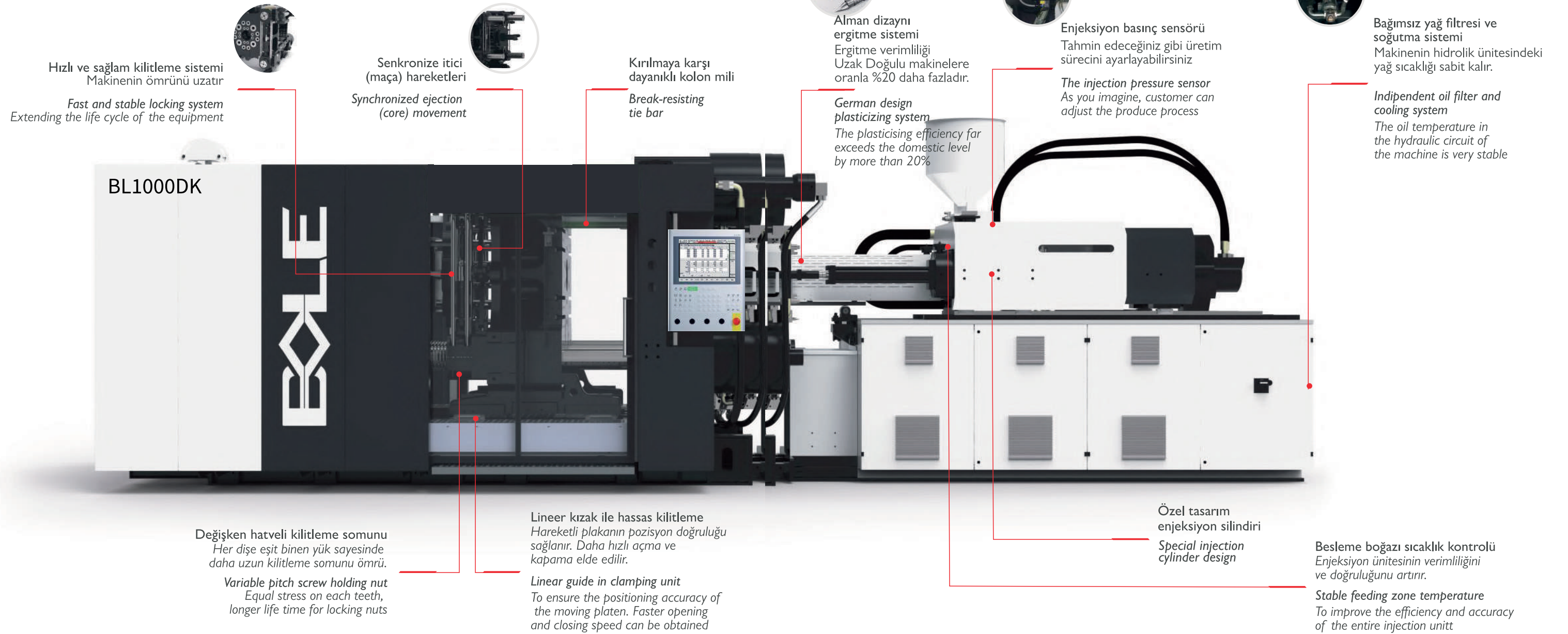
Injection Moulding Machine



FAVORI
GRUP

DK Serisi / DK Series

Çift Plaka Plastik Enjeksiyon Makinesi Two Platen Injection Moulding Machine



DK Serisi çift plaka plastik enjeksiyon makinelerinin 10 fark yaratan özelliği

DK Series two platen injection moulding machine ten core strengths



01 Kırılmaya karşı dayanıklı kolon mili Break-resisting tie bar

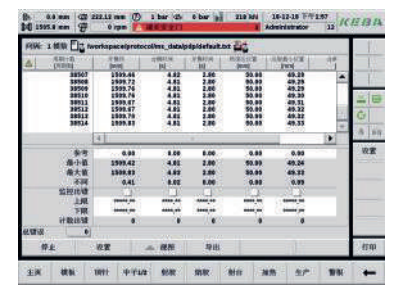
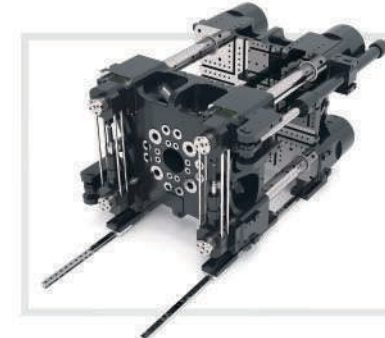
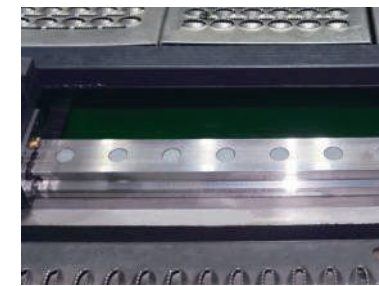
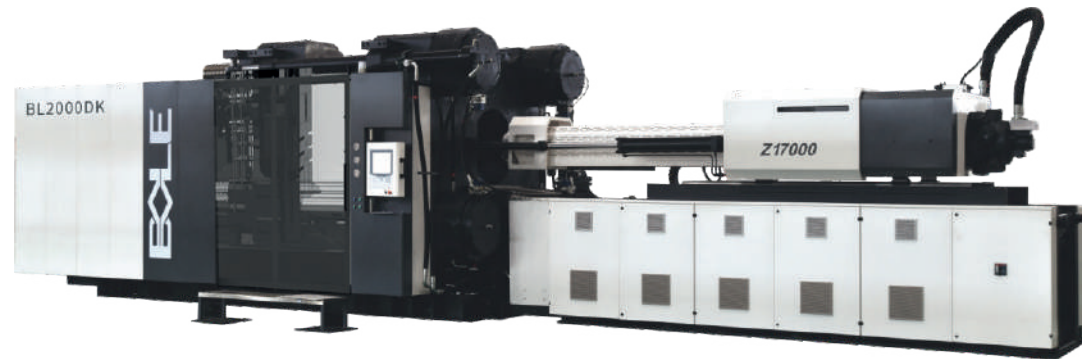
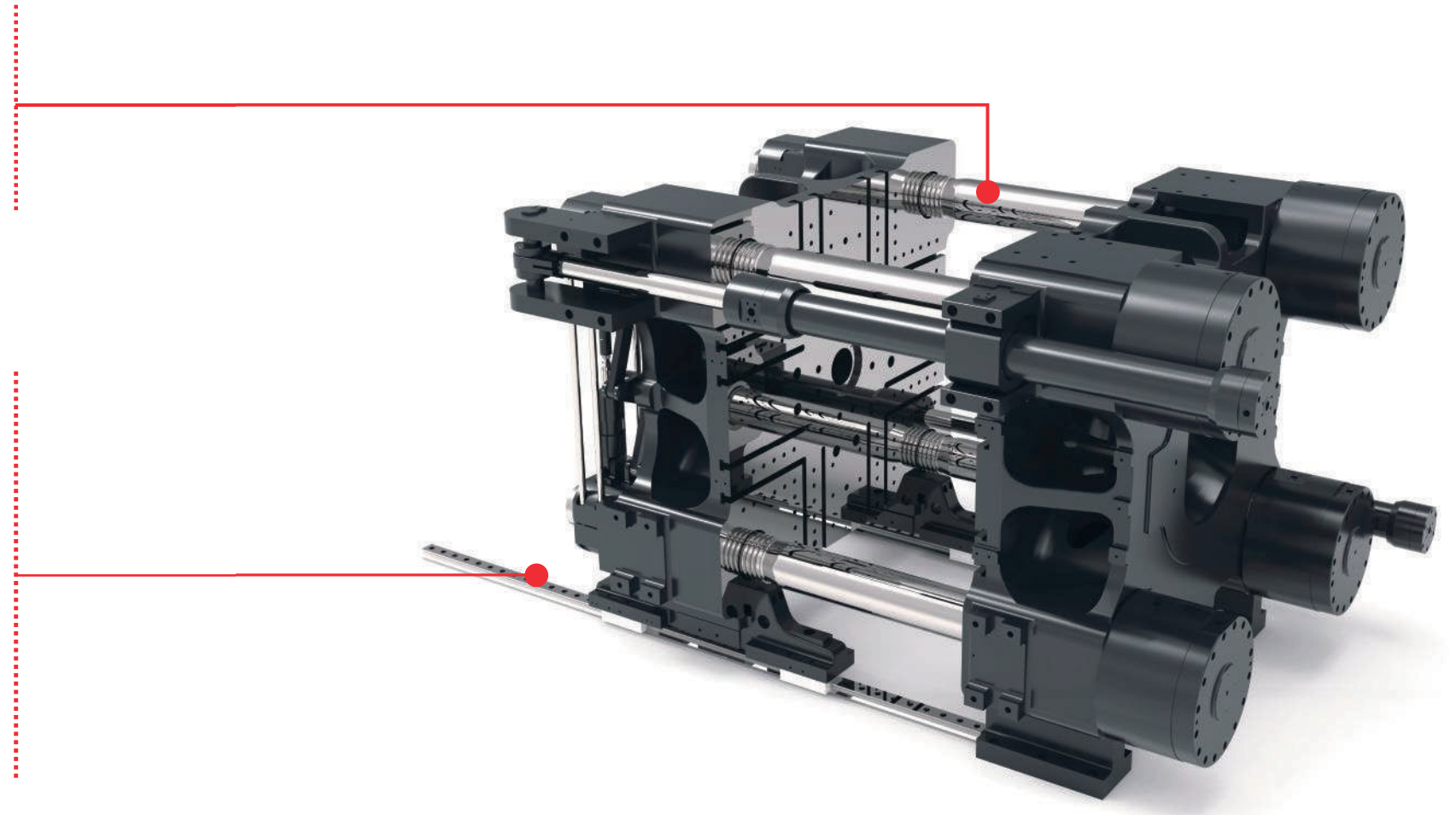
Kolon mili üzerindeki stres çok azdır, kırılma riski neredeyse yoktur. Aşırı yük ve eğilmeye dayanıklıdır.

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

02 Yüksek hassasiyet ve sertlikte lineer kızak High precision & rigidity linear rail

DK serisi çift plakalı makineler hareketli plakayı tutmak için, yüksek hassasiyet ve sertliğe sahip lineer kızak üzerinde kayan ayaklar kullanır. Hareketli plakanın yüksek hassasiyetle konumlanmasını garanti eder. Yağ sıçrama problemi olmadan makinenin performansı daha da iyileşir

DK series two platen machines adopt high precision and high rigidity linear guide coordinates with sliding foot to support movable platen, guaranteeing high positioning precision of movable platen and faster opening and closing speed. Without the problem of splashing lubrication oil, the performance of whole machine gets further improvement



DK Serisi Çift Plaka Plastik Enjeksiyon Makineleri, Alman Mühendisliği ile geliştirildi, Çin Çift Plaka Enjeksiyon Makine pazarı yeniden şekillendirildi.
DK series two-platen injection moulding machine, developed by the German chief engineer, reshapes the Chinese two-platen injection machine market.



03 Yüksek verimli Alman tasarımı plastikleştirme sistemi
High efficiency German designed plasticizing system

Alman tasarımı plastikleştirme sistemi Uzak Doğulu rakiplerinin %20 üzerinde bir verim sağlar.
Originate from Germany design Plasticizing System, efficiency excess above 20% of domestic level

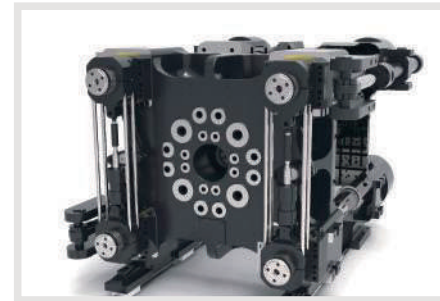
Karmaşık teknik gereksinimlere cevap verebilecek özel tasarımlar
Custom made complicated technical requirement, applied to special plasticizing system

Tüm seriler en iyi plastikleştirme etkisini ve verimi elde etmek için A/B/C vida ve 23:1 L/D oranı ile donatılmıştır.
All series can fit with A/B/C screw, L/D ratio 23:1, to achieve the best plasticizing effect and efficiency.

04 Hızlı, sağlam ve elektrikli kilitleme sistemi
Fast, stable and impact-free locking system

Kolon mili ve kilitleme somununun korunması için, ekipmanın kullanım ömrünü uzatan hızlı, pürüzsüz, sessiz ve daha etkin somun.

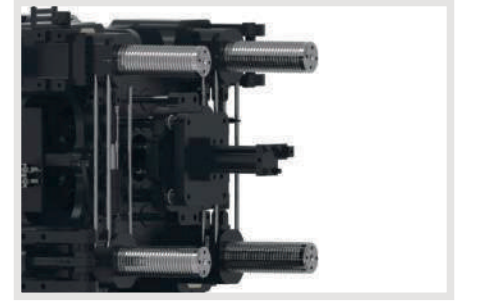
Fast, smooth, quiet, more effective lock nut to protect tie bar and nut itself, prolong equipment lifetime.



05 Senkronize itici (maça) hareketi
Synchronized ejection (core) movement

Eş zamanlı itme (maça çekme) fonksiyonu standarttır, bu sayede makine çevrim verimliliği artar.

Simultaneous eject (core pulling) functions as standard, improve machine cycle efficiency.



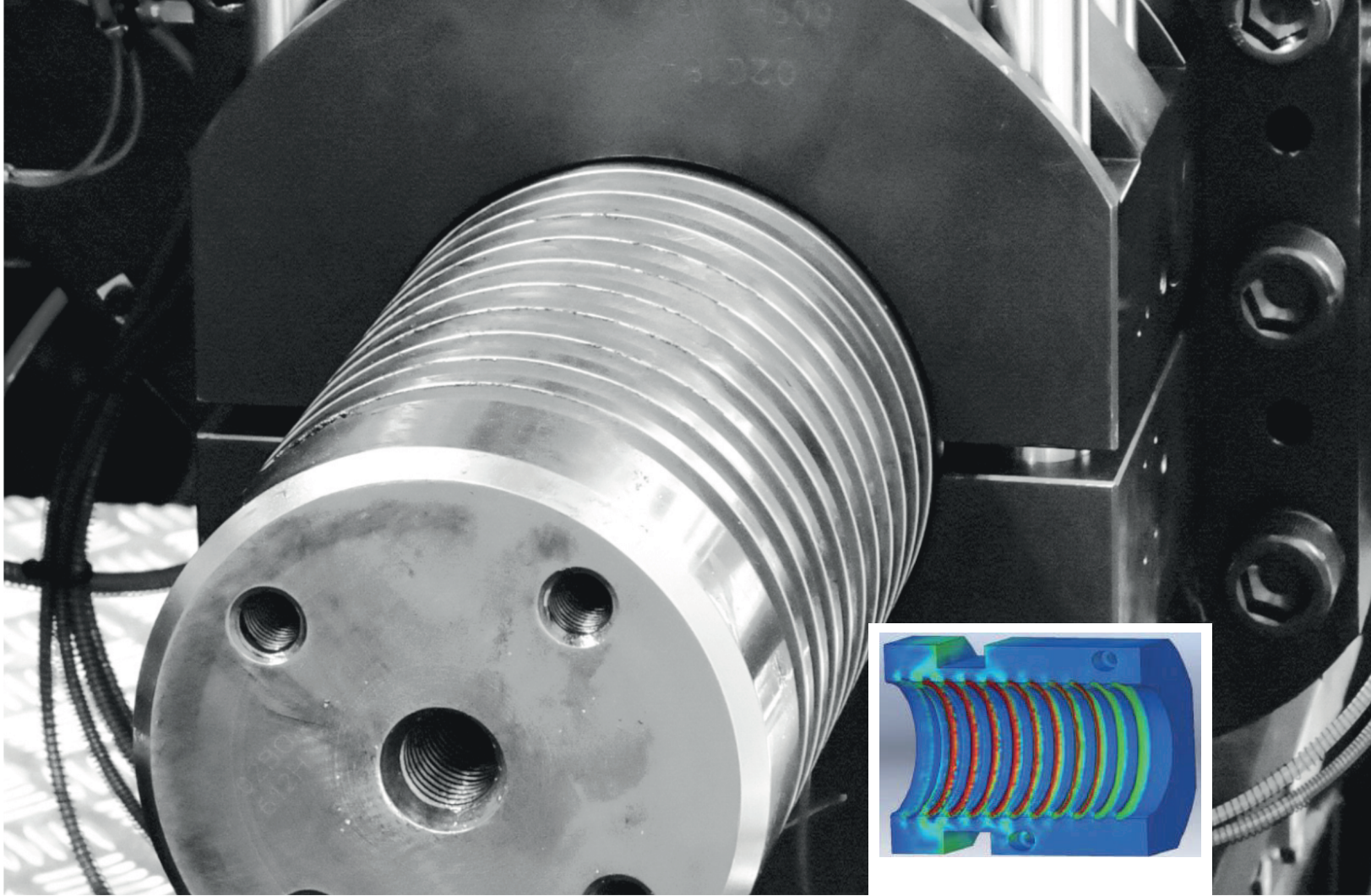
06 Özel enjeksiyon pistonu tasarımı
Special injection cylinder design

Yeni enjeksiyon pistonu oldukça düşük yağ dönüş direncine sahiptir ve enjeksiyon parça sürtünmesini azaltmak ve enjeksiyon ünitesinin kontrol hassasiyetini büyük ölçüde iyileştirmek için lineer kızak şasisi ile birlikte çalışır.

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.



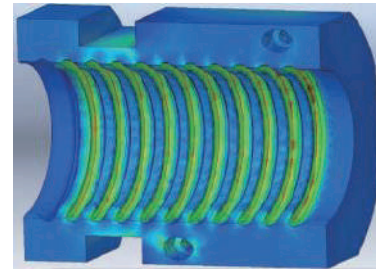
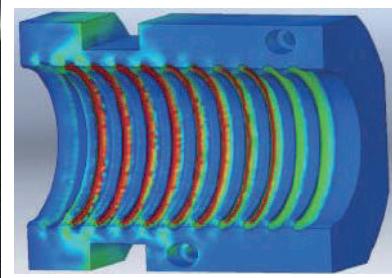
Alman Teknolojisi - Çin Üretimi German Techonology - Made In China



07 Her dişe eşit yük Equal stress on each teeth

Her dişe binen eşit yük sayesinde daha uzun kilitleme somunu ömrü

Equal stress on each teeth, longer life time for locking nuts.



08 Bağımsız filtre sistemi Independent oil filter and cooling system

Kompakt yapısı ile daha az yer işgal eder. Çevrim süresi ve diğer çalışan elemanlar gibi, yağ sıcaklığını herhangi bir kesinti olmadan sabitler.

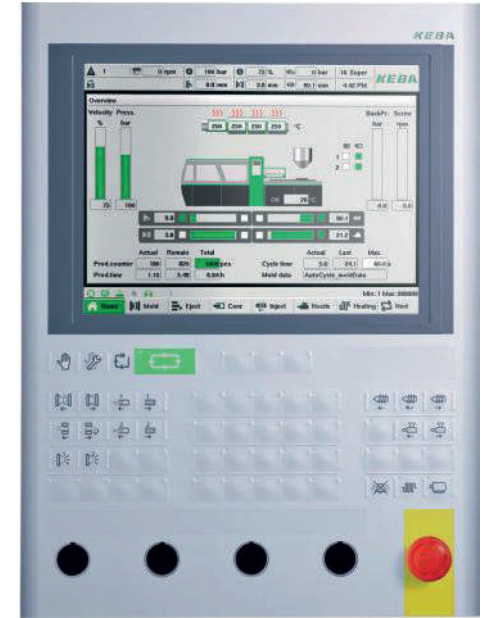
Very compact and less space occupation. Stabilize the entire oil temperature without any other interruption, such as cycle time and other working elements.



09 Besleme boğazı sıcaklık kontrolü Stable feeding zone temperature

Besleme boğazı sıcaklığı, enjeksiyon ünitesinin verimliliğini ve doğruluğunu artıran sıcaklık ünitesinin kapalı devre kontrolüne dahildir. Bu sayede topaklanma ve yanlış ayarlardan kaynaklanabilecek enjeksiyon verimsizliğinden kaçınılır.

The temperature of the lower feed port is incorporated into the closed-loop control of the temperature unit, which improves the efficiency and accuracy of the entire injection unit. Avoiding the influence of unloading agglomeration and misalignment, the injection molding precision is low.



10 Enjeksiyon basınç sensörü Injection pressure sensor

Enjeksiyon basınç değeri her zaman kontrol grubuna yansır ve enjeksiyon grafiği ürün prosesini daha rahat ayarlamayı sağlar.

The injection pressure is always fed back, and the injection curve allows the customer to adjust the product process more conveniently.



Teknik Özellikler / Technical Data

AÇIKLAMA / DESCRIPTION		BL520DK			BL650DK			BL800DK			L850DK-W		
Uluslararası Standartlar International Specification		BL520DK/Z2950			BL650DK/Z3700			BL800DK/Z4800			BL850DK/Z5900		
Enjeksiyon Ünitesi / Injection Unit													
		Z2950			Z3700			Z4800			Z5900		
Vida Çapı Screw Diameter	mm	70	75	85	75	80	90	80	85	90	80	90	100
L/D oranı Screw L/D Ratio		23	23	23	23	23	23	23	23	23	23	23	23
Teorik Enjeksiyon Hacmi Theoretical Injection Capacity	cm³	1423	1634	2099	1832	2085	2639	2286	2581	2893	2512	3179	3925
Enjeksiyon Gramajı (PS) Shot Weight (PS)	g	1310	1503	1931	1686	1918	2428	2103	2374	2662	2311	2925	3611
	oz	46	53	68	59	68	86	74	84	94	82	103	127
Max. Enjeksiyon Hızı Injection Piston Speed	mm/s	120			119			116			106		
Enjeksiyon Oranı Injection Rate Into air	cm³/s	470	540	694	525	598	756	583	659	738	533	675	833
	g/s	433	497	638	478	544	688	536	599	672	490	621	766
Enjeksiyon Basıncı Injection Pressure	MPa	212	185	144	204	179	142	210	186	166	230	182	147
Max. Vida Hızı Max. Screw Speed	r/min	160			147			140			135		
Mengene Ünitesi / Clamping Unit													
Kapama Kuvveti Clamping Force	Ton	531			663			816			867		
	kN	5200			6500			8000			8500		
Plaka Ölçüsü Size of Mold Platen (HxV)	mm × mm	1250×1200			1380×1280			1510×1380			1630×1400		
Kolonlar Arası Mesafe Space Between Tie Bar	mm × mm	860×810			960×860			1110 × 960			1160×910		
Açma Stroğu Opening Stroke	mm	1100/600			1300/750			1400/800			1600/950		
Min. Kalıp Kalınlığı Min. Mould Height	mm	350			350			400			450		
Max. Kalıp Kalınlığı Max. Mould Height	mm	850			900			1000			1100		
Max. Daylight Max. Daylight	mm	1450			1650			1800			2050		
İtici Stroğu Ejector Stroke	mm	250			250			280			280		
İtici İleri Gücü Ejector Force Forward	kN	124			124			232			232		
İtici Geri Gücü Ejector Force Back	kN	75			75			155			155		
İtici Sayısı Number of Ejector Bar	PC	13			21			17			17		
Sürücü Sistem Gücü / Driving and Heating													
Isıtıcı Gücü Installed Heating Power	kW	27	29. 2	31. 4	32	35. 5	37. 5	36	38. 3	40. 6	43	48. 5	54
Motor Gücü Drive Power	kW	42+30			42+42			50+42			50+42		
Sistem Basıncı Working Pressure	MPa	17. 5			17. 5			17. 5			17. 5		
Diğer / Other													
Yağ Tankı Kapasitesi Oil Tank Capacity	L	500			600			700			1000		
Ma. Kalıp Ağırlığı Maximum Mould Weight	kg	7000			9500			11000			12000		
Makine Ağırlığı Machine Weight	ton	18			22			26			30		
Makine Ölçüleri (BxExY) Machine Dimensions (LxWxH)	m × m × m	7. 39×2. 46×2. 68			7. 75×2. 57×2. 96			8.35×2.98×2.95			9.15×3.19×3.06		



Firma, önceden haber vermeden ürünün teknik özelliklerini değiştirme hakkını saklı tutar.
Due to the continous product improvement, we reserve the right to adjust the individual parameters, without notice.

BL1000DK			BL1050DK-W			BL1100DK			BL1200DK-W			BL1300DK-W		
BL1000DK/Z5900			BL1050DK/Z7900			BL1100DK/Z7900			BL1200DK/Z7900			BL1300DK/Z10000		
Z5900			Z7900			Z7900			Z7900			Z10000		
80	90	100	90	100	110	90	100	110	90	100	110	100	110	120
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
2512	3179	3925	3467	4280	5180	3467	4280	5180	3467	4280	5180	4671	5652	6726
2311	2925	3611	3189	3938	4765	3189	3938	4765	3189	3938	4765	4297	5199	6188
82	103	127	112	138	168	112	138	168	112	138	168	152	184	219
106			104			104			104			104		
533	675	833	666	822	995	666	822	995	666	822	995	820	992	1180
490	621	766	612	756	915	612	756	915	612	756	915	746	902	1074
230	182	147	230	186	154	230	186	154	230	186	154	215	178	149
135			120			120			120			105		
1020			1071			1122			1224			1327		
10000			10500			11000			12000			13000		
1720×1570			1985×1725			1825×1685			1985×1725			1985×1725		
1260×1020			1440×1180			1260×1120			1420×1160			1420×1160		
1600/950			2270/1550			1870/1150			2270/1500			2270/1500		
450			580			480			580			580		
1100			1350			1200			1350			1350		
2050			2850			2350			2850			2850		
280			320			320			320			320		
232			232			232			232			232		
155			155			155			155			155		
17			25			25			25			25		
43	48. 5	54	50	54. 2	58. 4	50	54. 2	58. 4	50	54. 2	58. 4	56.2	60.4	62.4
50+42			50+17+50			50+17+42			50+17+50			50+21+50		
17. 5			17. 5			17. 5			17. 5			17. 5		
800			900			900			900			1000		
14000			16000			16000			20000			20000		
35			49			45			49			52		
9.15×3.19×3.13			10.78×3.52×3.2			10.18×3.31×3.17			10.78×3.52×3.2			10.78×3.52×3.64		



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Teknik Özellikler / Technical Data

AÇIKLAMA / DESCRIPTION		BL1400DK			BL1500DK-W			BL1800DK		
Uluslararası Standartlar International Specification		BL1400DK/Z13400			BL1500DK/Z13400			BL1800DK/Z19300		
Enjeksiyon Ünitesi / Injection Unit										
		Z13400			Z13400			Z19300		
Vida Çapı Screw Diameter	mm	110	120	130	110	120	130	120	135	145
L/D oranı Screw L/D Ratio		23	23	23	23	23	23	23	23	23
Teorik Enjeksiyon Hacmi Theoretical Injection Capacity	cm³	6082	7238	8495	6082	7238	8495	8200	10378	11972
Enjeksiyon Gramajı (PS) Shot Weight (PS)	g	5596	6659	7815	5596	6659	7815	7544	9547	11014
	oz	197	235	276	197	235	276	266	337	388
Max. Enjeksiyon Hızı Injection Piston Speed	mm/s	102			102			100		
Enjeksiyon Oranı Injection Rate Into air	cm³/s	969	1153	1353	969	1153	1353	1170	1481	1708
	g/s	891	1060	1245	891	1060	1245	1076	1362	1572
Enjeksiyon Basıncı Injection Pressure	MPa	221	186	158	221	186	158	236	186	161
Max. Vida Hızı Max. Screw Speed	r/min	100			100			100		
Mengene Ünitesi / Clamping Unit										
Kapama Kuvveti Clamping Force	Ton	1429			1531			1837		
	kN	14000			15000			18000		
Plaka Ölçüsü Size of Mold Platen (HxV)	mm × mm	2090×1990			2190×2070			2300 × 2200		
Kolonlar Arası Mesafe Space Between Tie Bar	mm × mm	1420×1320			1520×1360			1660 × 1560		
Açma Stroğu Opening Stroke	mm	2200/1500			2200/1500			2570/1700		
Min. Kalıp Kalınlığı Min. Mould Height	mm	650			650			680		
Max. Kalıp Kalınlığı Max. Mould Height	mm	1350			1350			1550		
Max. Daylight Max. Daylight	mm	2850			2850			3250		
İtici Stroğu Ejector Stroke	mm	360			360			400		
İtici İleri Gücü Ejector Force Forward	kN	309			309			309		
İtici Geri Gücü Ejector Force Back	kN	210			210			210		
İtici Sayısı Number of Ejector Bar	PC	25			25			25		
Sürücü Sistem Gücü / Driving and Heating										
Isıtıcı Gücü Installed Heating Power	kW	72	75	87	72	75	87	75	96	115
Motor Gücü Drive Power	kW	50+50+50			50+50+50			50+50+42+50		
Sistem Basıncı Working Pressure	MPa	17. 5			17. 5			17. 5		
Diğer / Other										
Yağ Tankı Kapasitesi Oil Tank Capacity	L	1600			1600			2100		
Max. Kalıp Ağırlığı Maximum Mould Weight	kg	27000			27000			38000		
Makine Ağırlığı Machine Weight	ton	60			61			75		
Makine Ölçüleri (BxExY) Machine Dimensions (LxWxH)	m × m × m	11. 53×3. 51×3. 81			11.53×3.74×3.81			13.28 × 4.05 × 4.28		



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BL1850DK-W			BL2000DK			BL2100DK-W			BL2300DK			BL2500DK-W		
BL1850DK/Z19300			BL2000DK/ Z19300			BL2100DK/ Z19300			BL2300DK/ Z25800			BL2500DK/Z25800		
Z19300			Z19300			Z19300			Z25800			Z25800		
120	135	145	120	135	145	120	135	145	140	150	160	140	150	160
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
8200	10378	11972	8200	10378	11972	8200	10378	11972	12084	13872	15783	12084	13872	15783
7544	9547	11014	7544	9547	11014	7544	9547	11014	11117	12762	14521	11117	12762	14521
266	337	388	266	337	388	266	337	388	392	450	512	392	450	512
100			100			100			90			90		
1170	1481	1708	1170	1481	1708	1170	1481	1708	1361	1562	1778	1361	1562	1778
1076	1362	1572	1076	1362	1572	1076	1362	1572	1252	1437	1636	1252	1437	1636
236	186	161	236	186	161	236	186	161	213	186	164	213	186	164
100			100			100			84			84		
1888			2041			2143			2347			2551		
18500			20000			21000			23000			25000		
2500×2160			2480×2320			2500×2160			2660 × 2430			2760×2460		
1860×1520			1720×1560			1850×1510			1920×1700			2020×1720		
2580/1700			2580/1700			2580/1700			2720/1800			2720/1800		
720			720			720			780			780		
1600			1600			1600			1700			1700		
3300			3300			3300			3500			3500		
400			450			450			450			450		
309			496			496			465			465		
210			396			396			310			310		
25			25			25			25			29		
75	96	115	75	96	115	75	96	115	109	123	128	109	123	128
50+50+42+50			50+50+42+50			50+50+42+50			50+50+50+50			50+50+50+50		
17. 5			17. 5			17. 5			17. 5			17. 5		
2100			2100			2100			2700			2700		
40000			45000			45000			50000			55000		
82			90			83			120			123		
13.25×4.26×4.11			13. 41×4. 34×4. 20			13.32×4.26× 4.16			14.57×4.32×4.37			14.57×4.46×4.25		



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Teknik Özellikler / Technical Data

AÇIKLAMA / DESCRIPTION		BL2700DK			BL2800DK-W			BL3000DK-W		
Uluslararası Standartlar International Specification		BL2700DK/ Z36800			BL2800DK/ Z36800			BL3000DK/ Z36800		
Enjeksiyon Ünitesi / Injection Unit										
		Z36800			Z36800			Z36800		
Vida Çapı Screw Diameter	mm	160	170	185	160	170	185	160	170	185
L/D oranı Screw L/D Ratio		23	23	23	23	23	23	23	23	23
Teorik Enjeksiyon Hacmi Theoretical Injection Capacity	cm³	18598	20996	24864	18598	20996	24864	18598	20996	24864
Enjeksiyon Gramajı (PS) Shot Weight (PS)	g	17110	19316	22875	17110	19316	22875	17110	19316	22875
	oz	603	681	807	603	681	807	603	681	807
Max. Enjeksiyon Hızı Injection Piston Speed	mm/s	85			85			85		
Enjeksiyon Oranı Injection Rate Into air	cm³/s	1855	2094	2480	1855	2094	2480	1855	2094	2480
	g/s	1707	1927	2282	1707	1927	2282	1707	1927	2282
Enjeksiyon Basıncı Injection Pressure	MPa	198	175	148	198	175	148	198	175	148
Max. Vida Hızı Max. Screw Speed	r/min	69			69			69		
Mengene Ünitesi / Clamping Unit										
Kapama Kuvveti Clamping Force	Ton	2755			2857			3061		
	kN	27000			28000			30000		
Plaka Ölçüsü Size of Mold Platen (HxV)	mm × mm	2700×2500			2850×2500			2850×2600		
Kolonlar Arası Mesafe Space Between Tie Bar	mm × mm	1920×1720			2185×1855			2165×1835		
Açma Stroğu Opening Stroke	mm	2920/1900			2920/1900			3020/2000		
Min. Kalıp Kalınlığı Min. Mould Height	mm	780			780			880		
Max. Kalıp Kalınlığı Max. Mould Height	mm	1800			1800			1900		
Max. Daylight Max. Daylight	mm	3700			3700			3900		
İtici Stroğu Ejector Stroke	mm	500			500			500		
İtici İleri Gücü Ejector Force Forward	kN	465			465			465		
İtici Geri Gücü Ejector Force Back	kN	310			310			310		
İtici Sayısı Number of Ejector Bar	PC	29			29			29		
Sürücü Sistem Gücü / Driving and Heating										
Isıtıcı Gücü Installed Heating Power	kW	128	158	173	128	158	173	128	158	173
Motor Gücü Drive Power	kW	50+50+50+50+50			50+50+50+50+50			50+50+50+50+50		
Sistem Basıncı Working Pressure	MPa	17. 5			17. 5			17. 5		
Diğer / Other										
Yağ Tankı Kapasitesi Oil Tank Capacity	L	2100			2100			2100		
Max. Kalıp Ağırlığı Maximum Mould Weight	kg	66000			66000			72000		
Makine Ağırlığı Machine Weight	ton	135			143			146		
Makine Ölçüleri (BxExY) Machine Dimensions (LxWxH)	m × m × m	15.98×4.45×4.41			16.92×4.78 × 4.61			16.92×4.78 × 4.69		



Firma, önceden haber vermeden ürünün teknik özelliklerini değiştirme hakkını saklı tutar.
Due to the continous product improvement, we reserve the right to adjust the individual parameters, without notice.

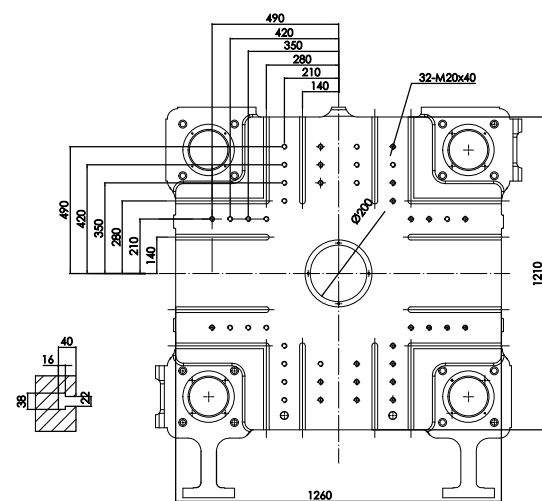
BL3200DK			BL3300DK		BL4000DK		BL5000DK		BL6800DK	
BL3200DK/ Z36800			BL3300DK/ Z57000		BL4000DK/ Z72000		BL5000DK/ Z88000		BL6800DK/ Z110000	
Z36800			Z57000		Z72000		Z88000		Z110000	
160	170	185	190	210	200	220	220	240	250	270
23	23	23	23	21	23	21	23	20.5	23	21
18598	20996	24864	36840	45004	43960	53192	56991	67824	80953	94424
17110	19316	22875	33893	41404	40443	48936	52432	62398	74477	86870
603	681	807	1197	1463	1429	1729	1852	2204	2631	3069
85			81		69		62		62	
1855	2094	2480	2290	2797	2176	2633	2368	3137	3404	3971
1707	1927	2282	2083	2545	1980	2396	2155	2855	3098	3613
198	175	148	153	125	161	133	154	129	137	118
69			63		63		63		63	
3265			3367		4082		5102		6939	
32000			33000		40000		50000		68000	
2850×2650			3050× 2750		3320×2900		3570×3020		4150×3450	
2010×1810			2220×1900		2420×2000		2550×2000		3000×2300	
3020/2000			3220× 2200		3480/2260		3680/2460		4200/2900	
880			980		980		1080		1200	
1900			2000		2200		2300		2500	
3900			4200		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	191.5		222.8		233		233	
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	
190			195		254		330		420	
16.53×4.98×4.49			17.91×5.12×4.69		20.50×5.32×4.99		23.5×5.6×5.0		25.5×6.5×6.0	



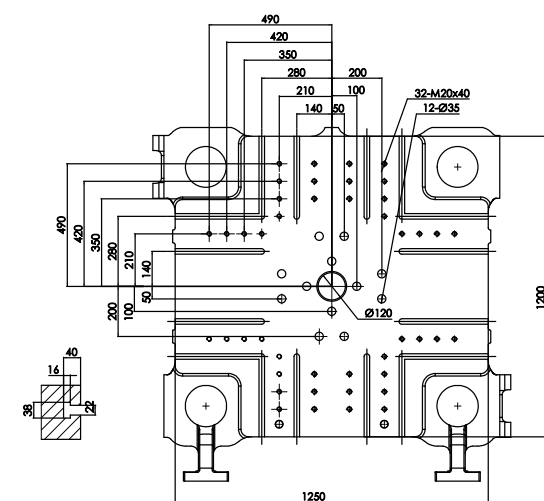
Firma, önceden haber vermeden ürünün teknik özelliklerini değiştirme hakkını saklı tutar.
Due to the continous product improvement, we reserve the right to adjust the individual parameters, without notice.

BL520DK
Technical Data

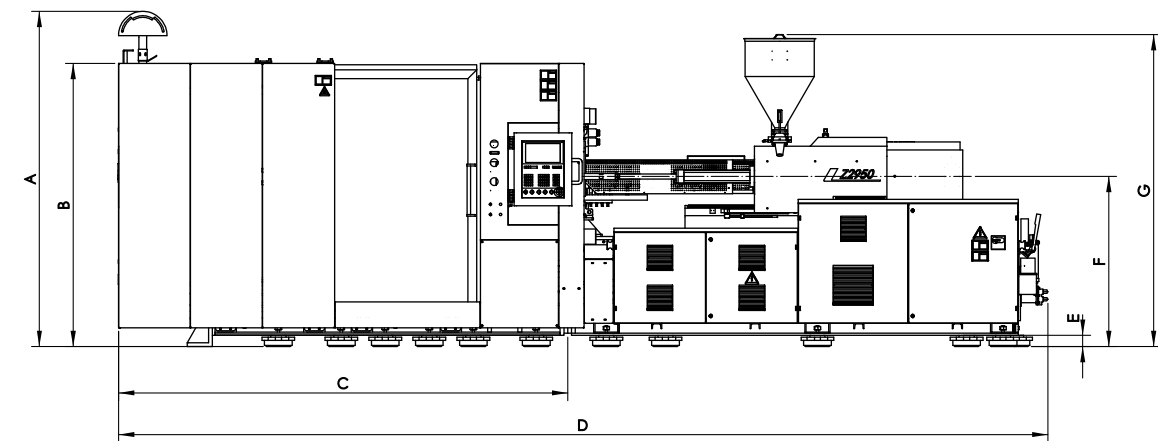
Dimensions of stationary platen



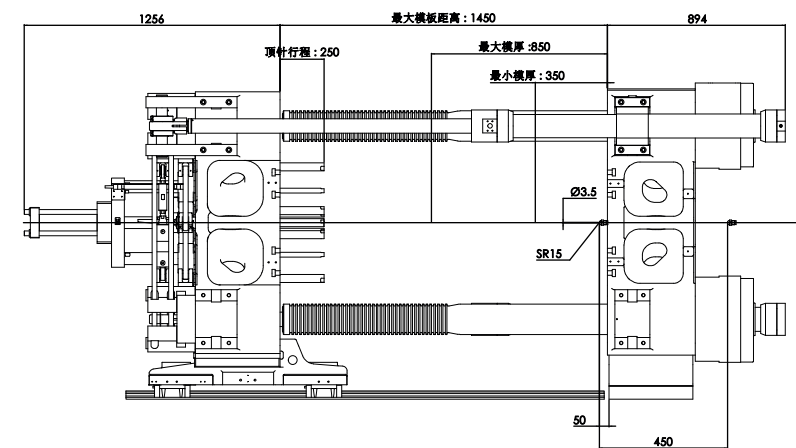
Dimensions of moving platen



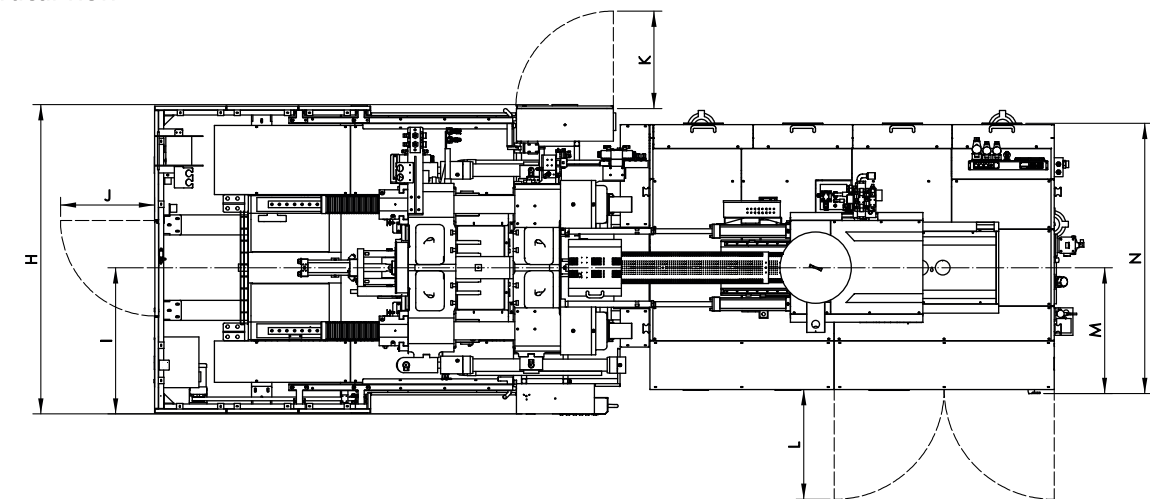
Main view



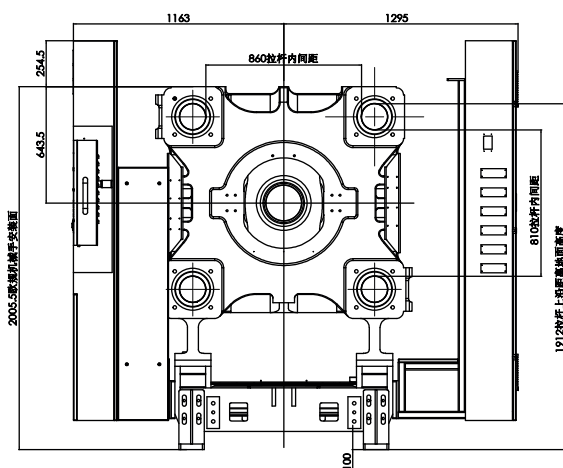
Clamping unit



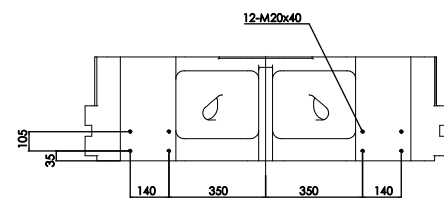
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

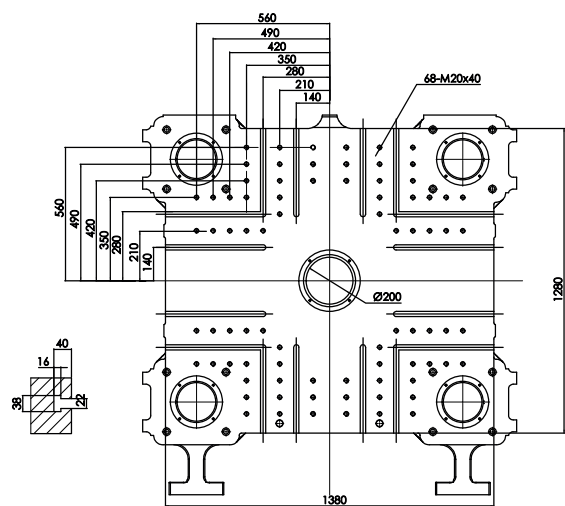


BL520DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2675	2260	3571	7388	100	1362	2489	2458	1163	748	775	874	1001	2148

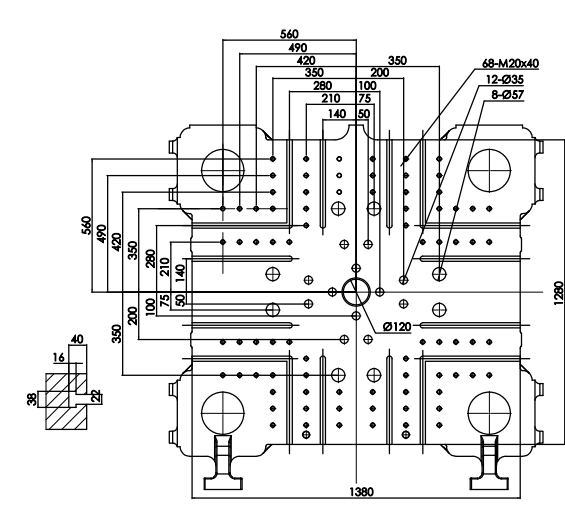
BL650DK

Technical Data

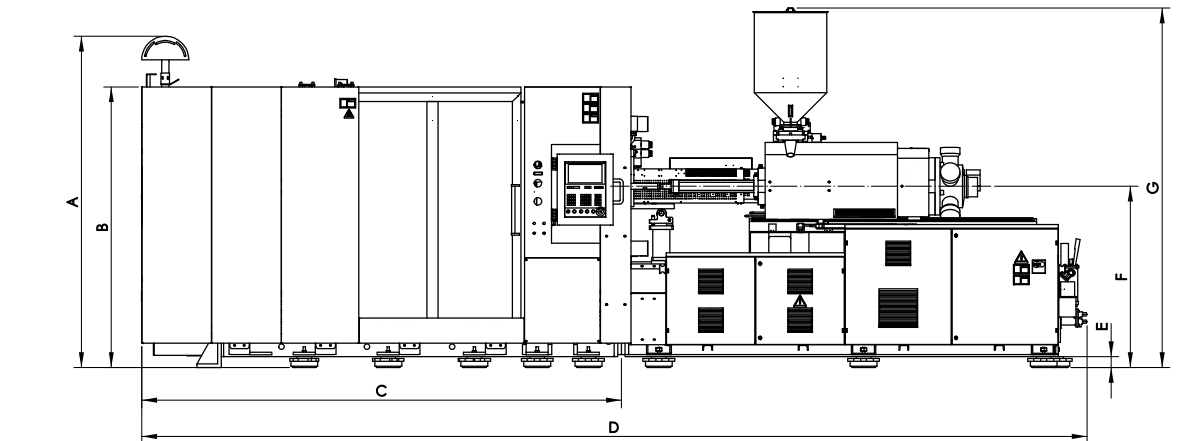
Dimensions of stationary platen



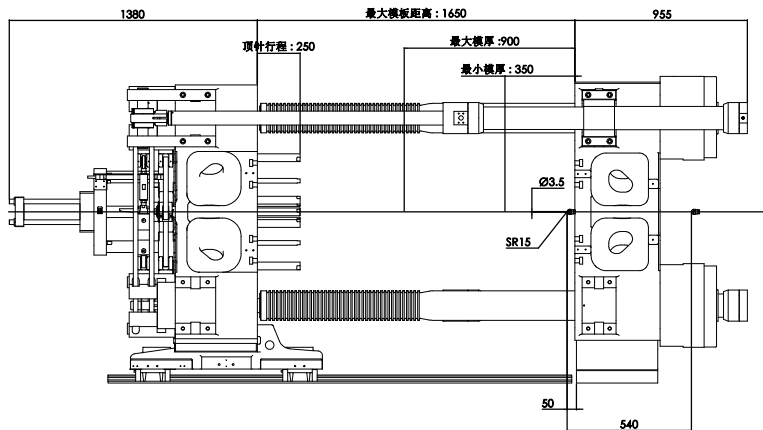
Dimensions of moving platen



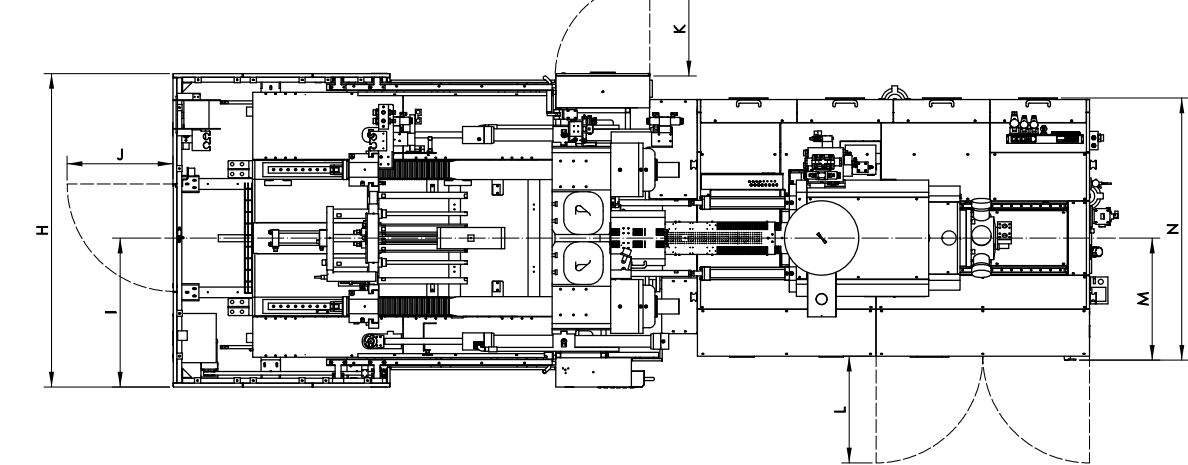
Main view



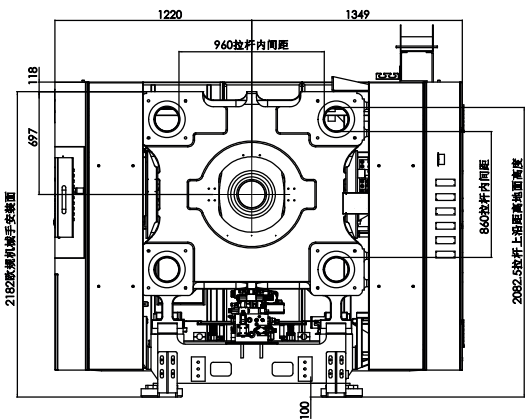
Clamping unit



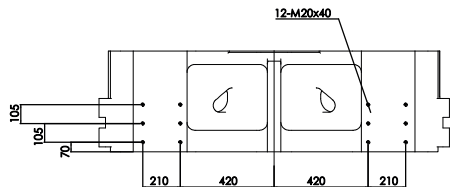
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

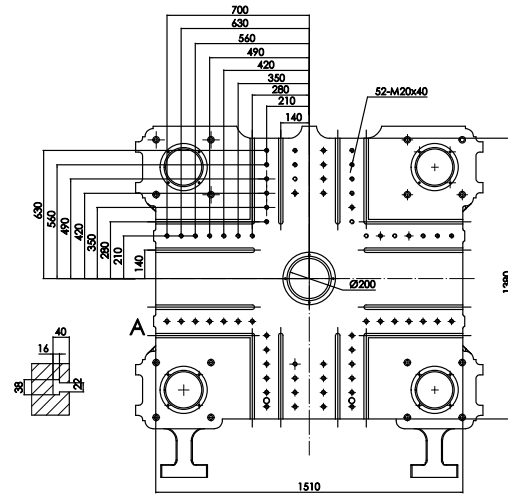


BL650DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2715	2300	3931	7748	100	1485	2957	2569	1219	868	775	874	1001	2148

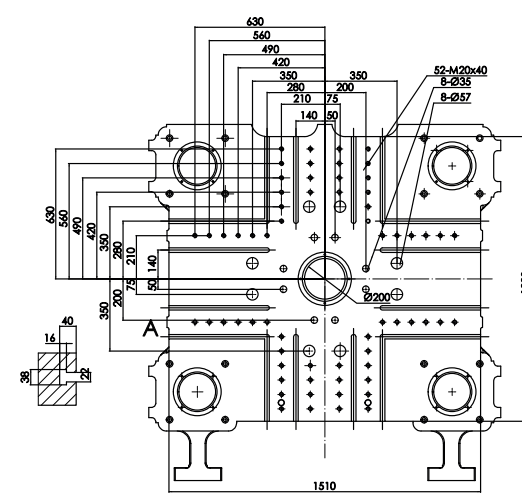
BL800DK

Technical Data

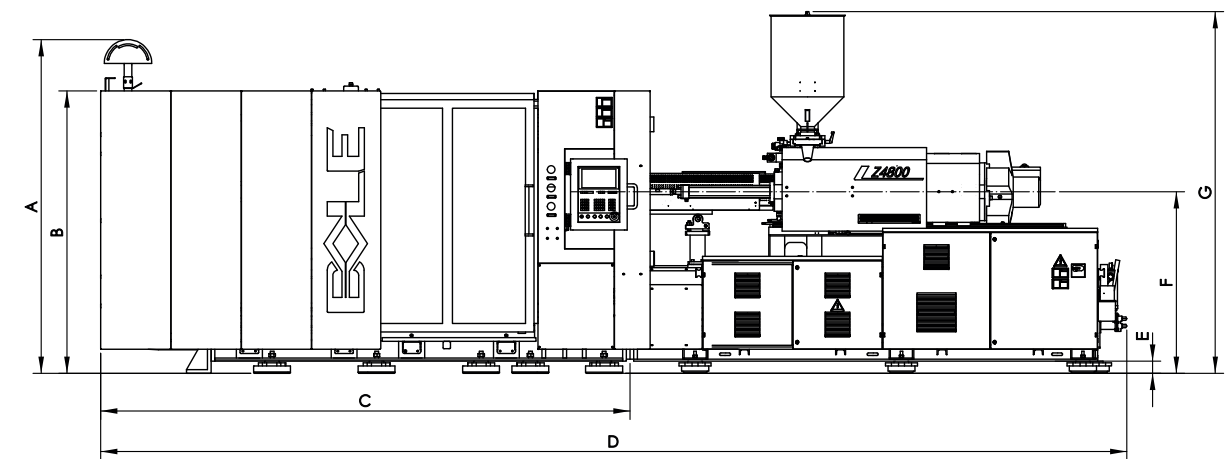
Dimensions of stationary platen



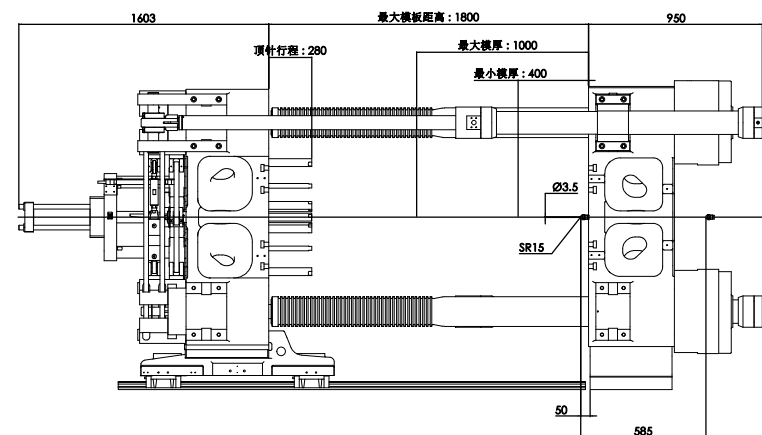
Dimensions of moving platen



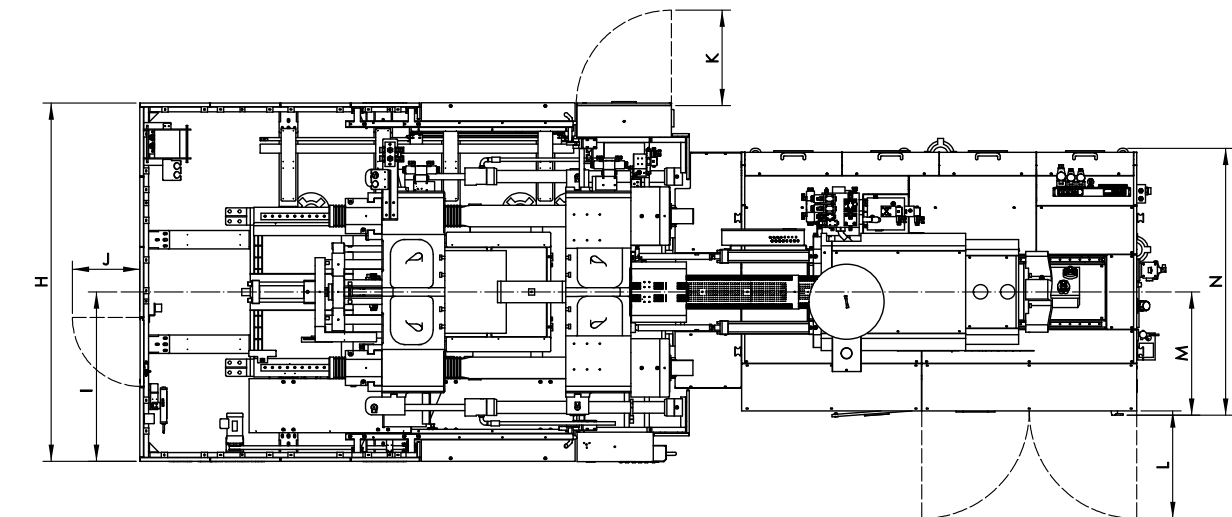
Main view



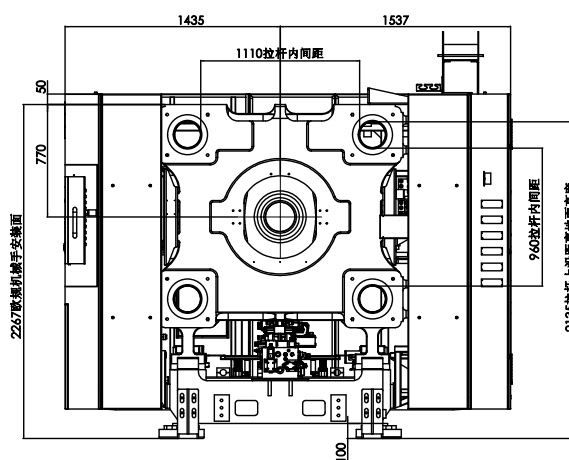
Clamping unit



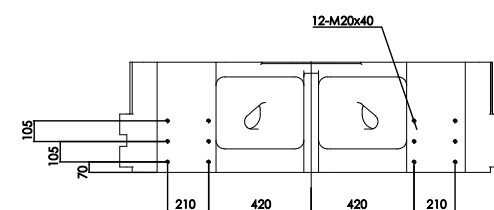
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

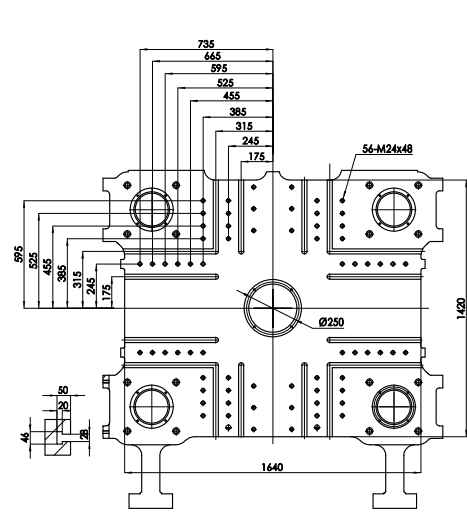


BL800DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2714	2297	4304	8345	100	1492.5	2943	2972	1380	548	775	874	1000	2170

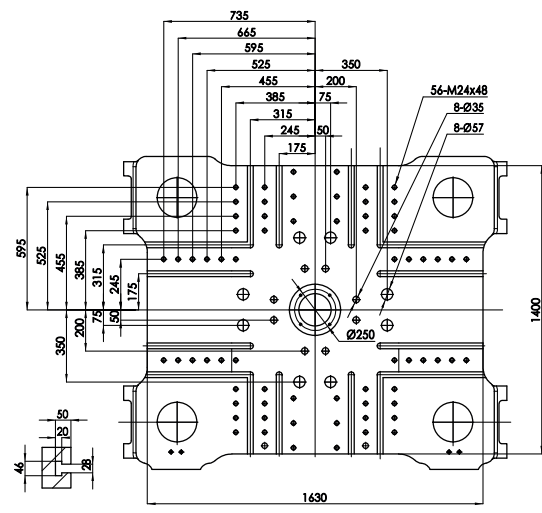
BL850DK-W

Technical Data

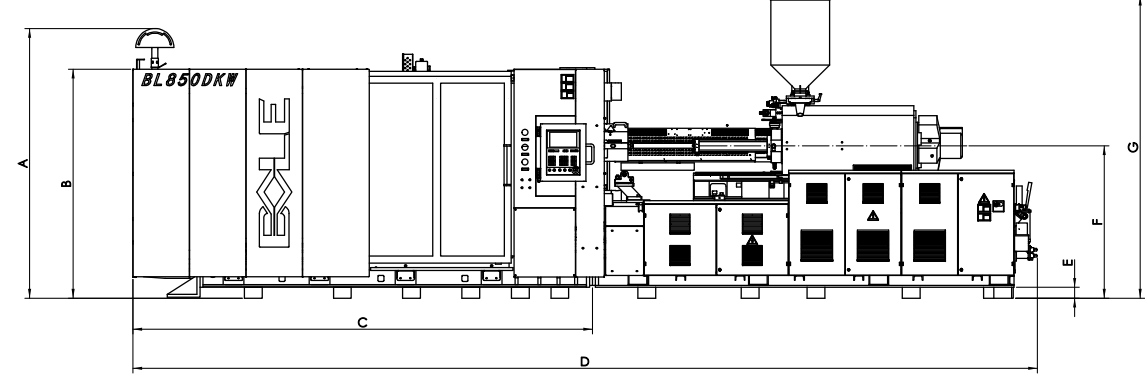
Dimensions of stationary platen



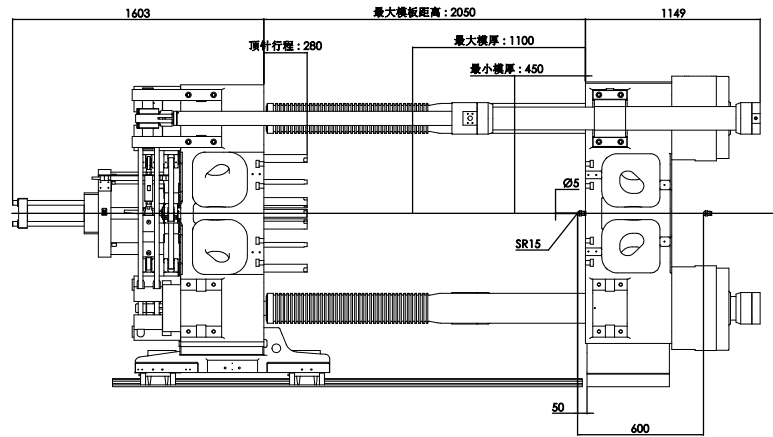
Dimensions of moving platen



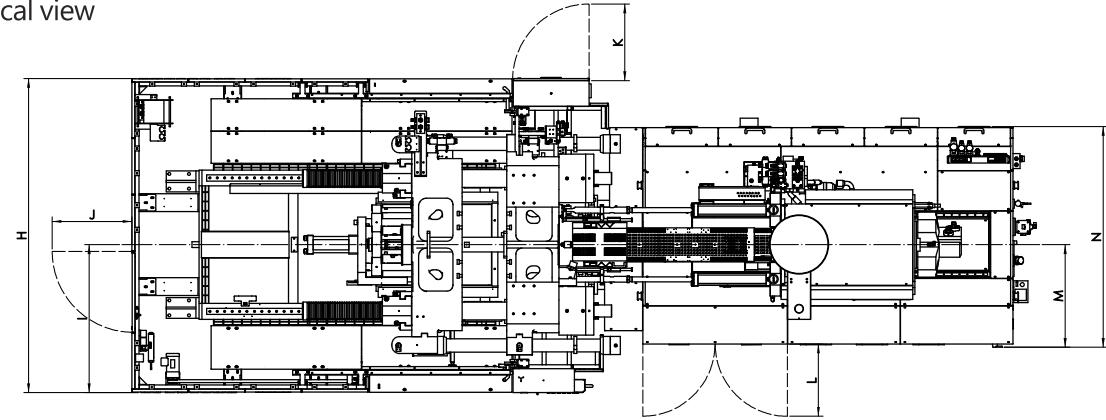
Main view



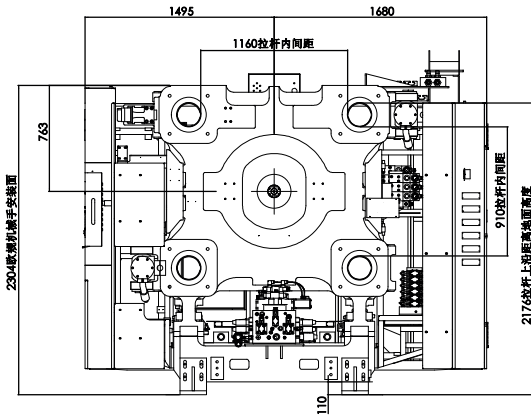
Clamping unit



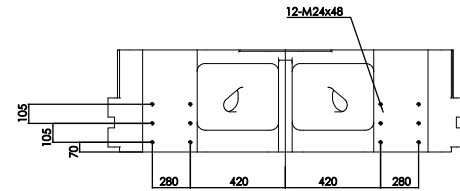
Vertical view



Robot installation dimensions



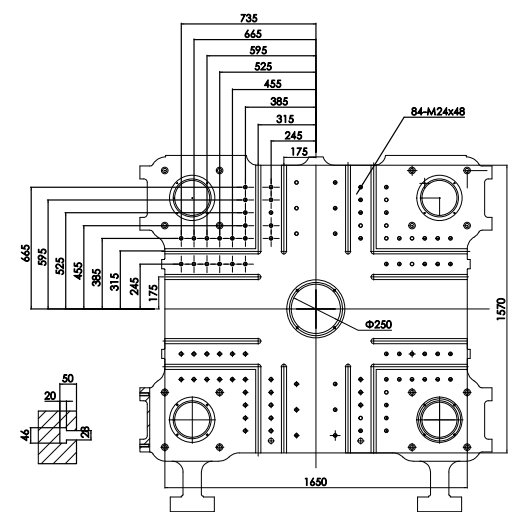
Robot installation dimensions on stationary platen



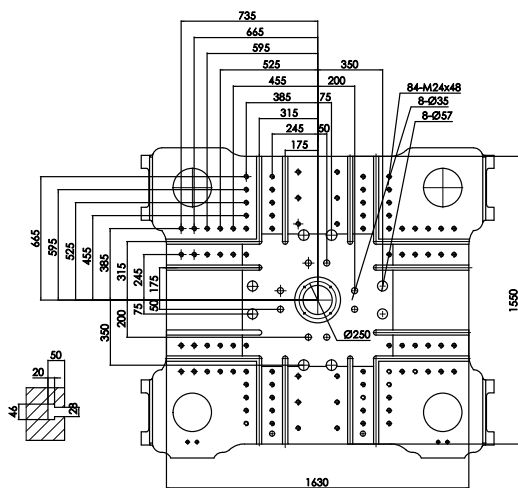
BL850DK-W	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2728	2316	4649	9151	110	1541	3054	3185	1496	806	775	731	1037	2232

BL1000DK
Technical Data

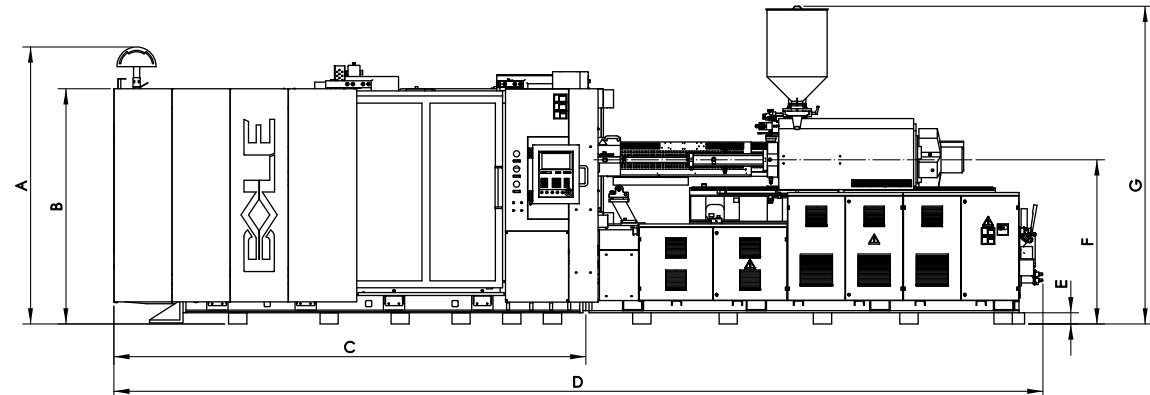
Dimensions of stationary platen



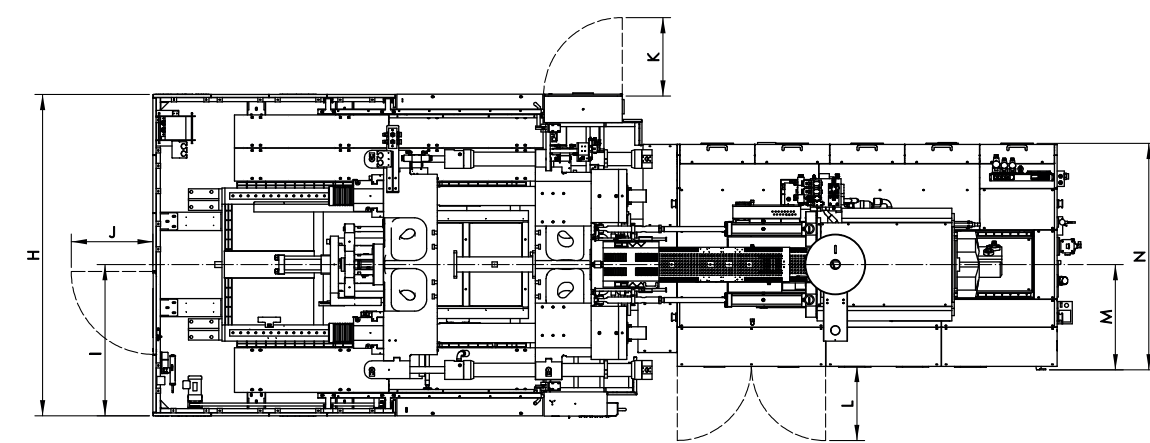
Dimensions of moving platen



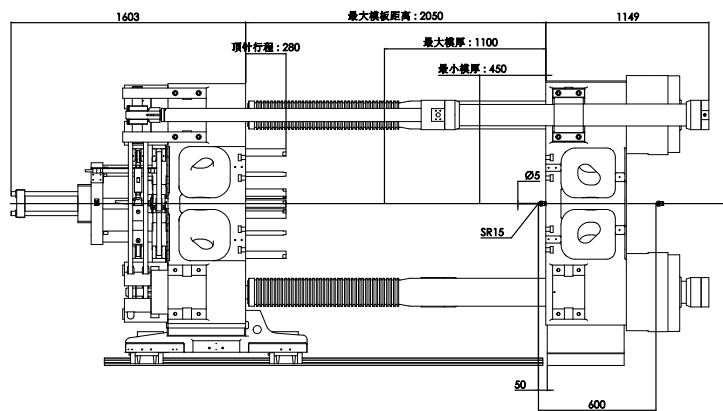
Main view



Vertical view

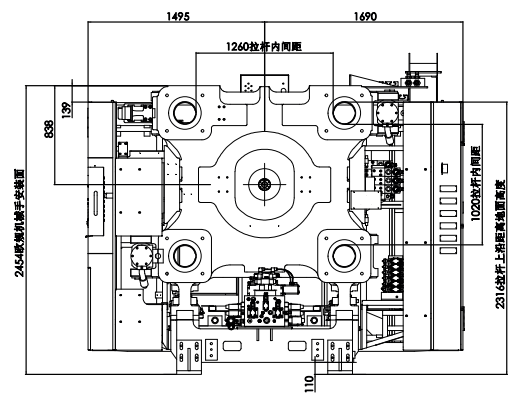


Clamping unit

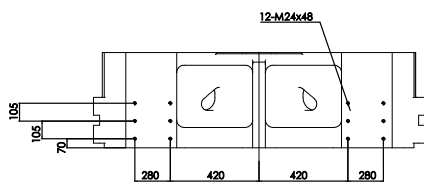


BL1000DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2728	2316	4649	9151	110	1616	3129	3185	1495	806	775	731	1037	2232

Robot installation dimensions

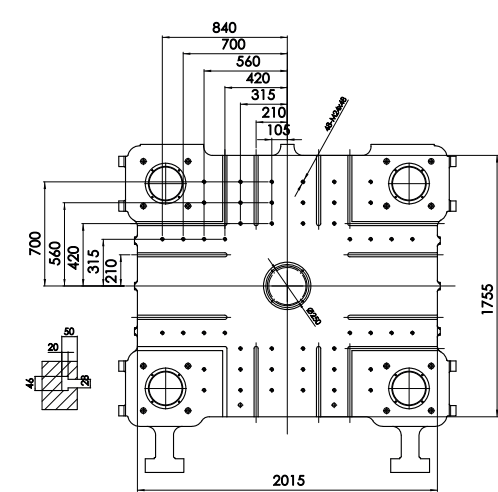


Robot installation dimensions on stationary platen

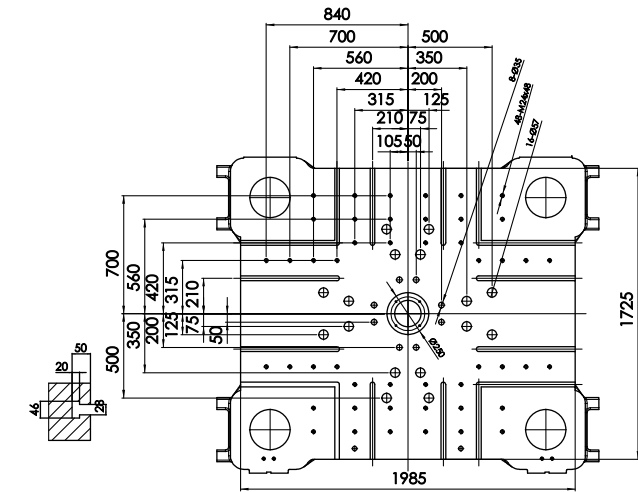


BL1050DK-W
Technical Data

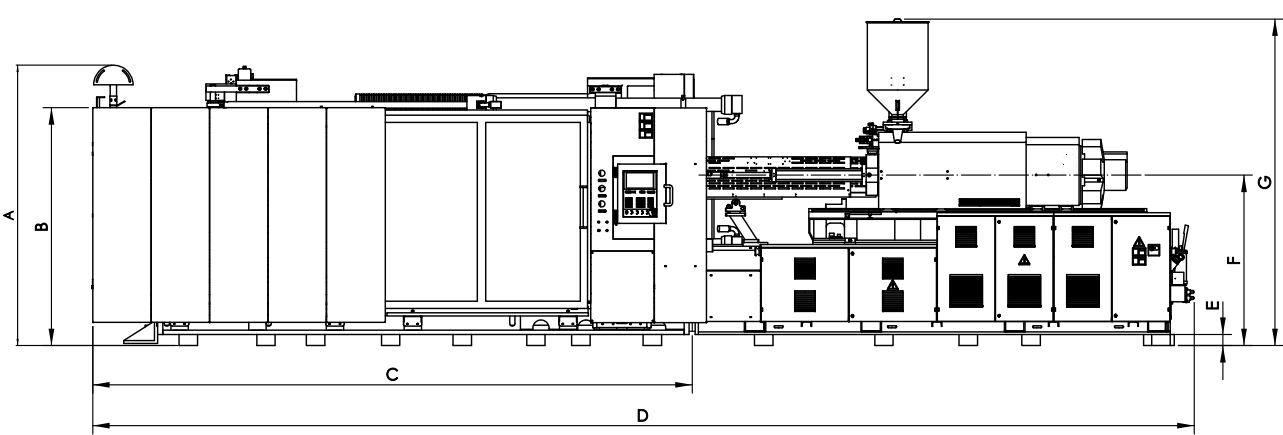
Dimensions of stationary platen



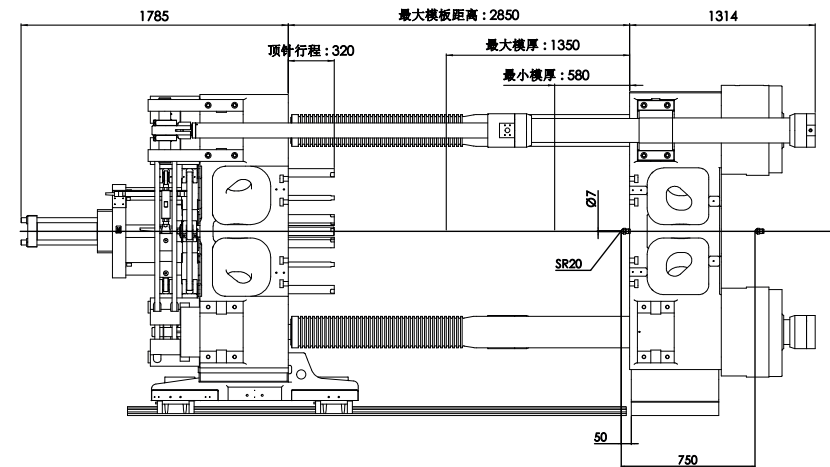
Dimensions of moving platen



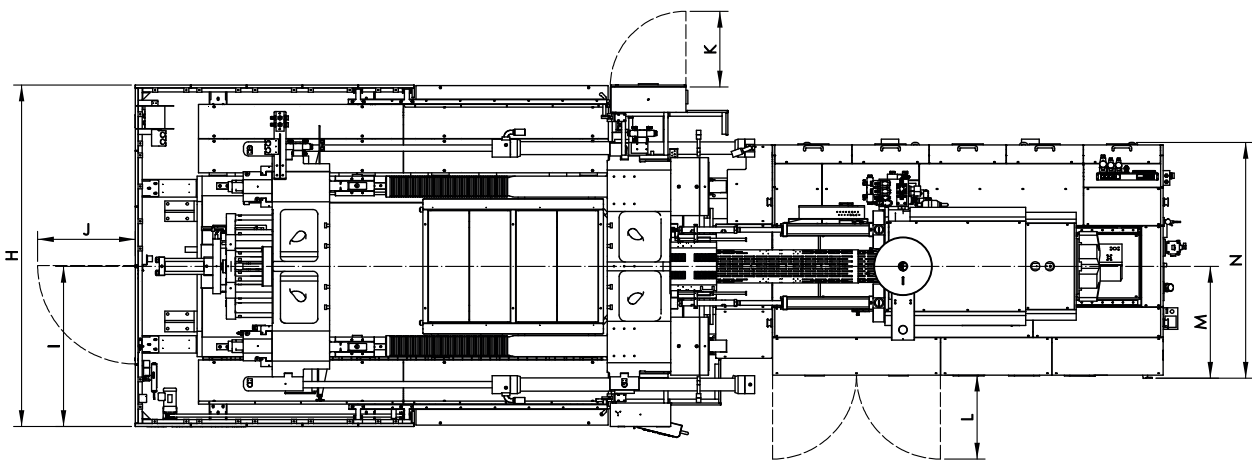
Main view



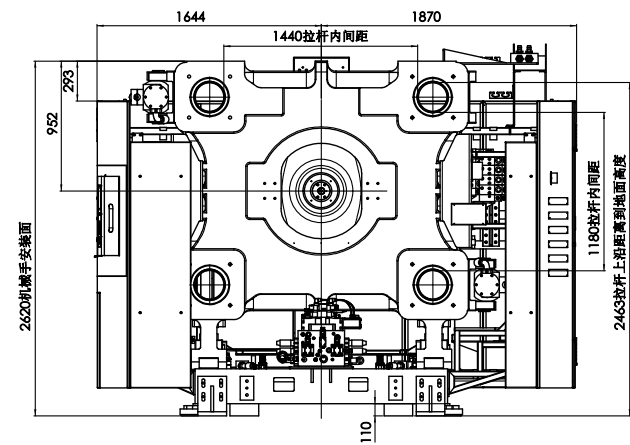
Clamping unit



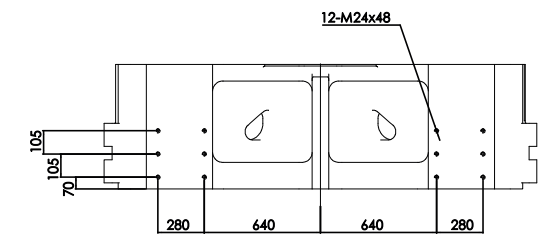
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

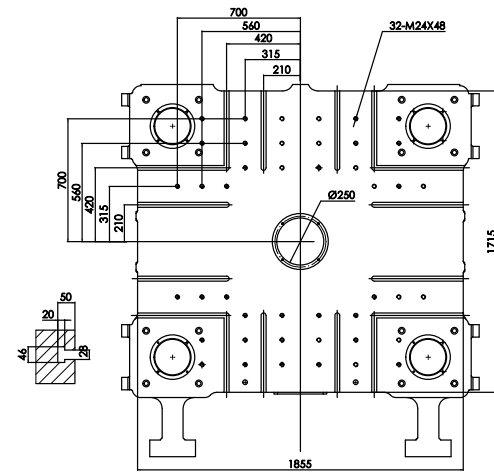


BL1050DK-W	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2743	2327	5865	10777	110	1668	3195	3514	1642	1000	775	861	1148	2419

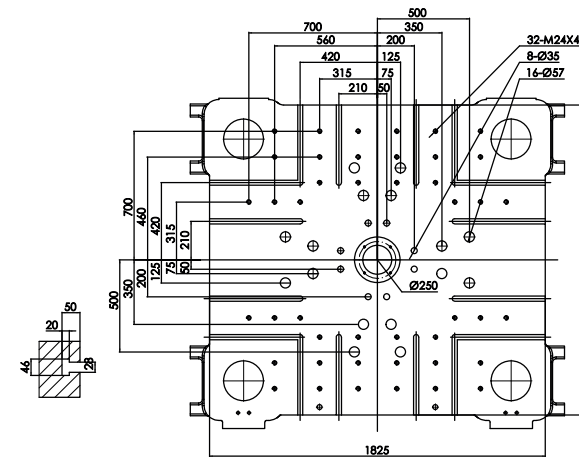
BL1100DK

Technical Data

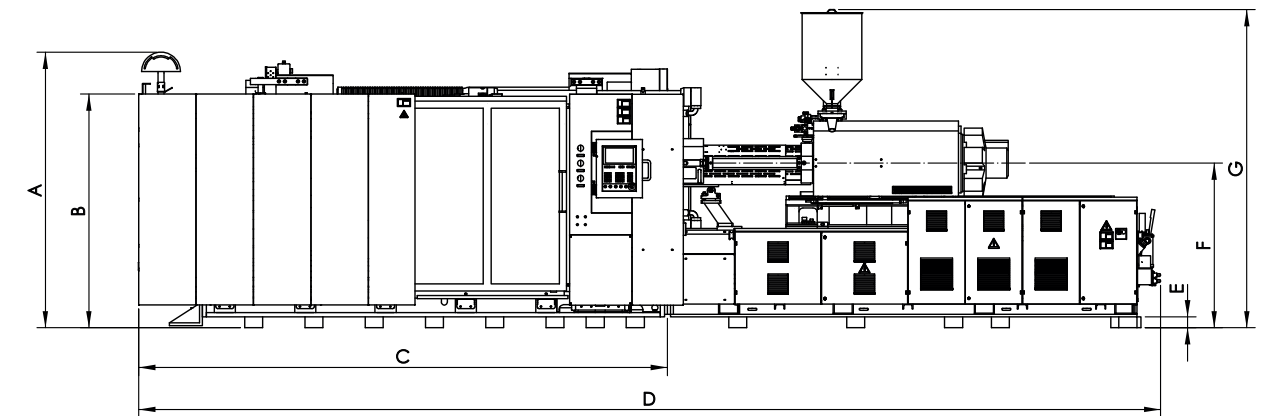
Dimensions of stationary platen



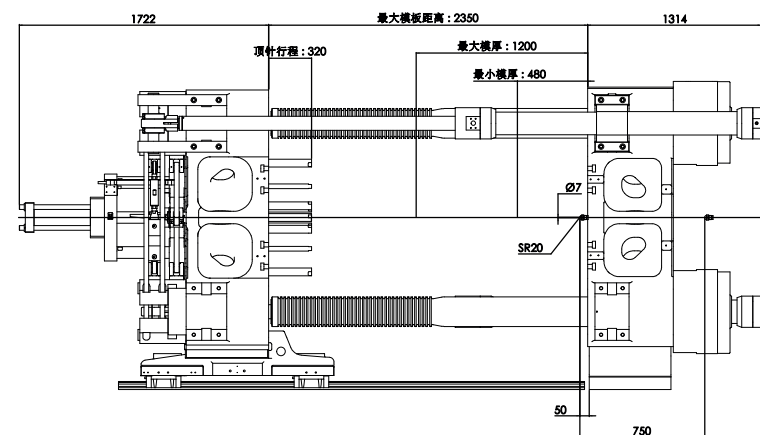
Dimensions of moving platen



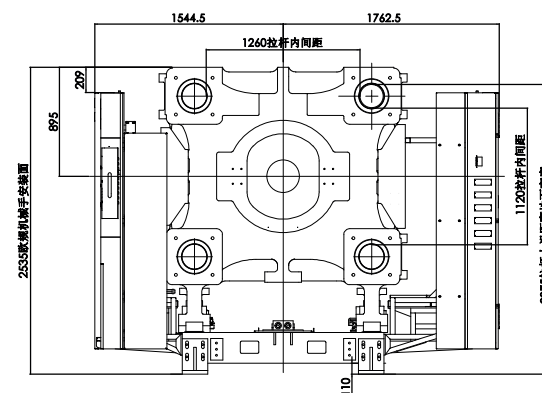
Main view



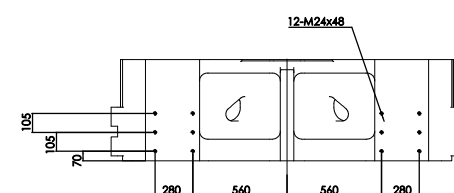
Clamping unit



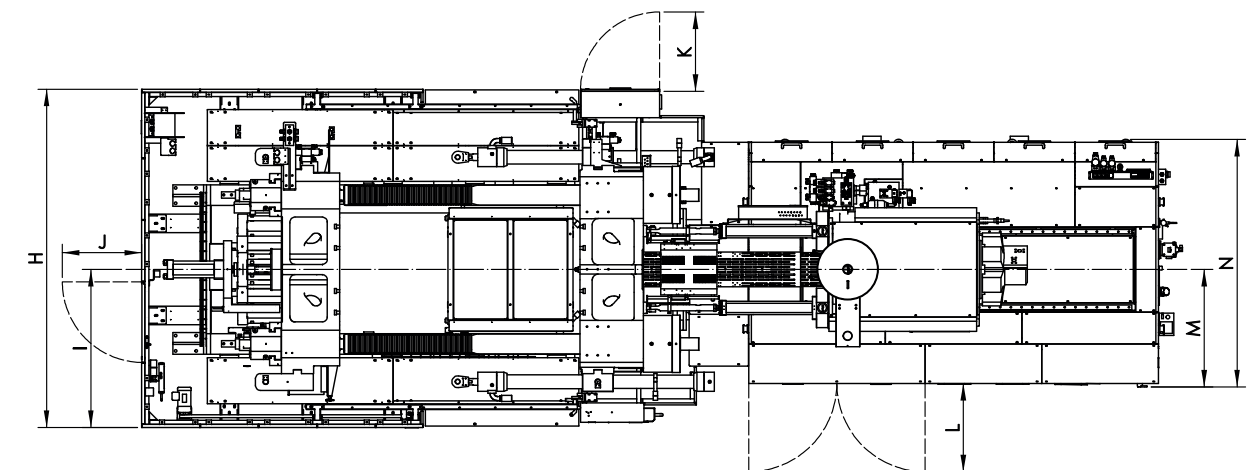
Robot installation dimensions



Robot installation dimensions on stationary platen



Vertical view

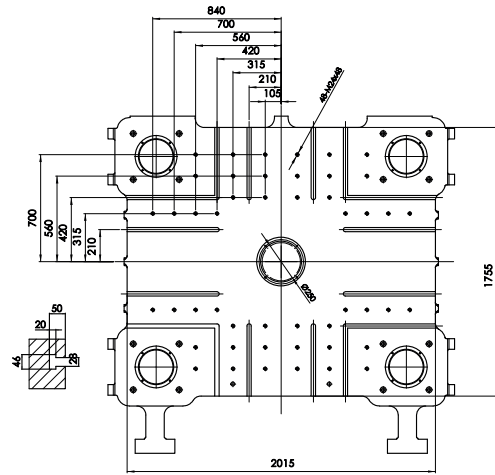


BL1100DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2744	2327	5265	10177	110	1640	3167	3307	1545	775	775	861	1148	2419

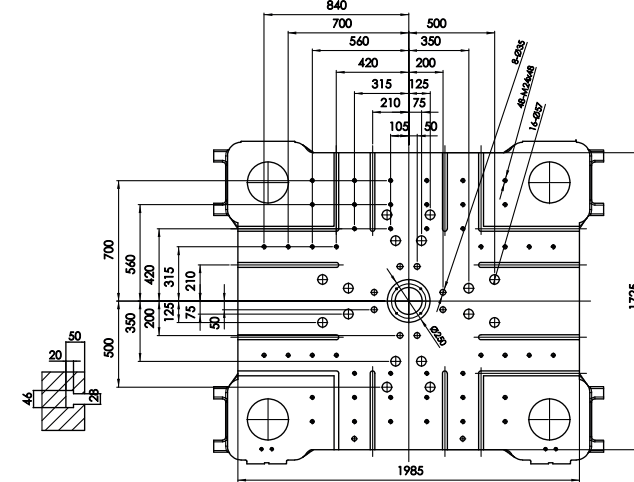
BL1200DK-W

Technical Data

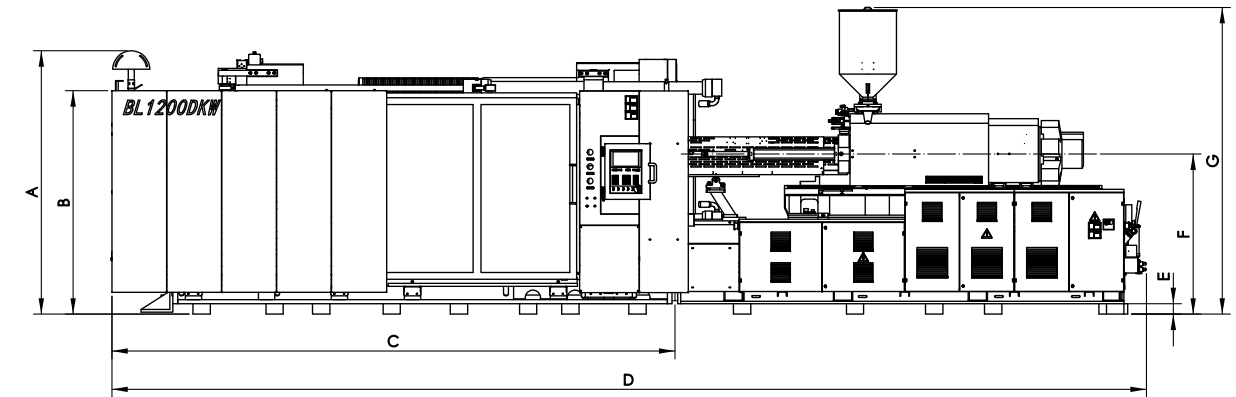
Dimensions of stationary platen



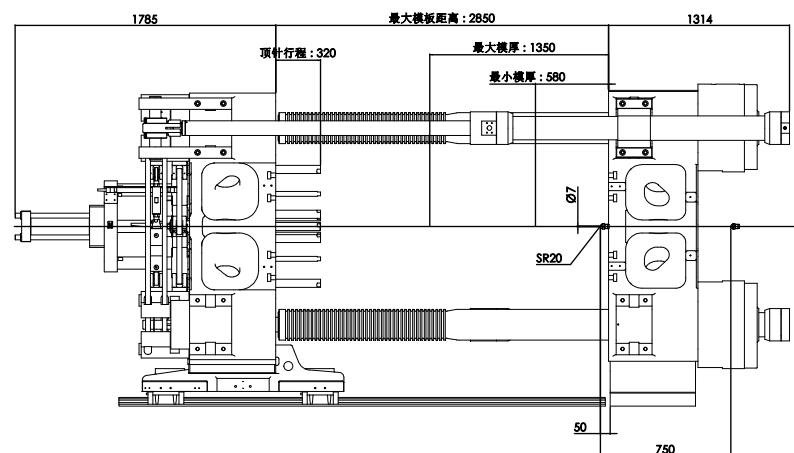
Dimensions of moving platen



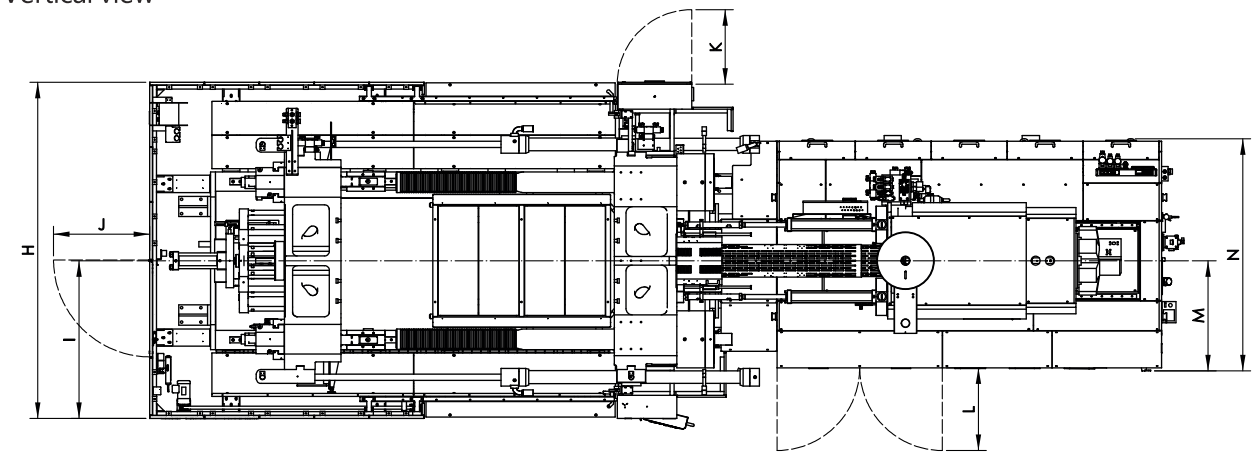
Main view



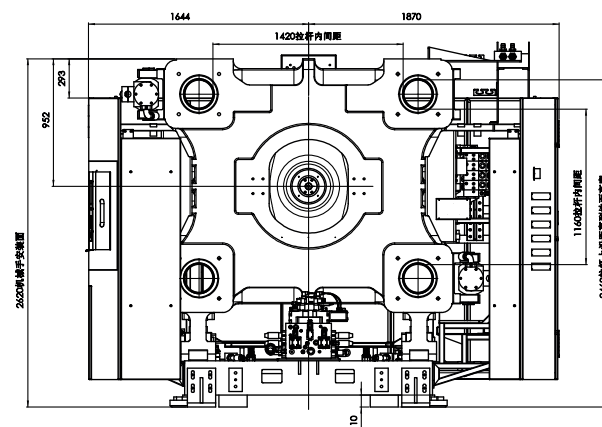
Clamping unit



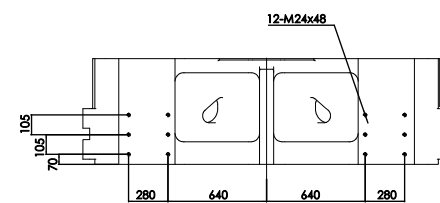
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

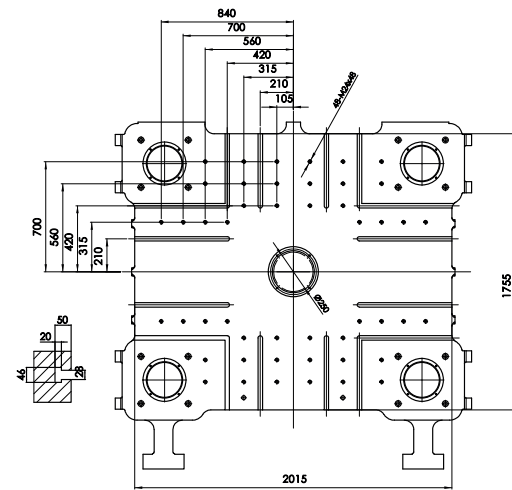


BL1200DK-W	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2743	2327	5865	10777	110	1668	3195	3514	1642	1000	775	861	1148	2419

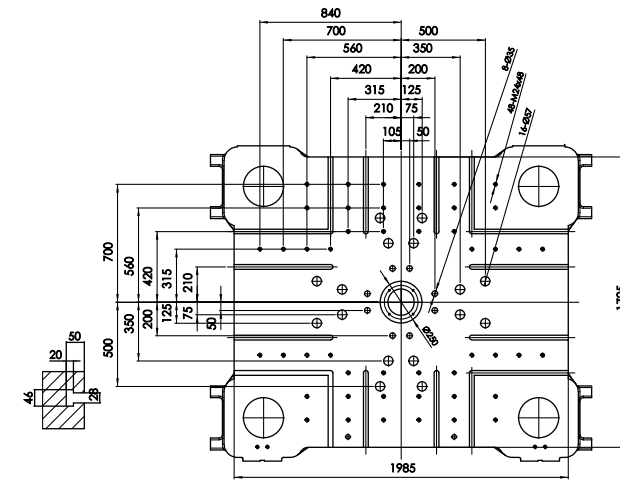
BL1300DK-W

Technical Data

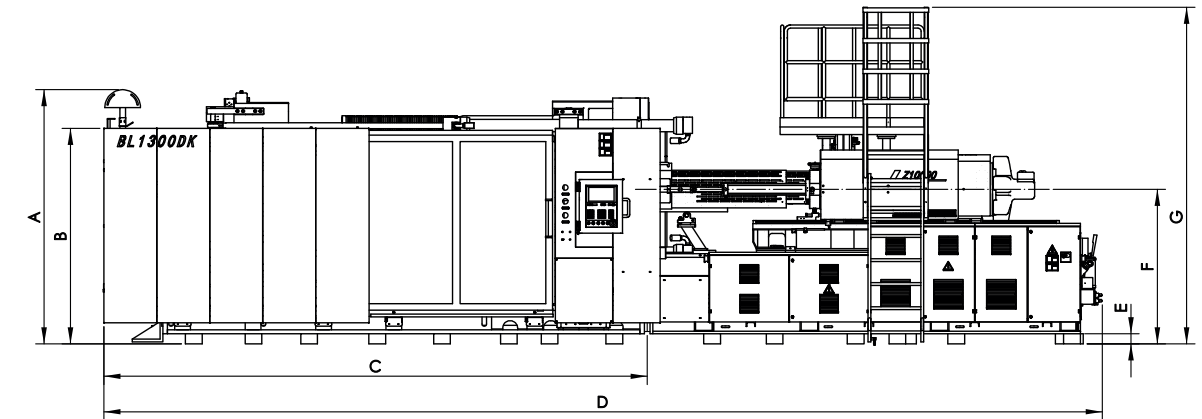
Dimensions of stationary platen



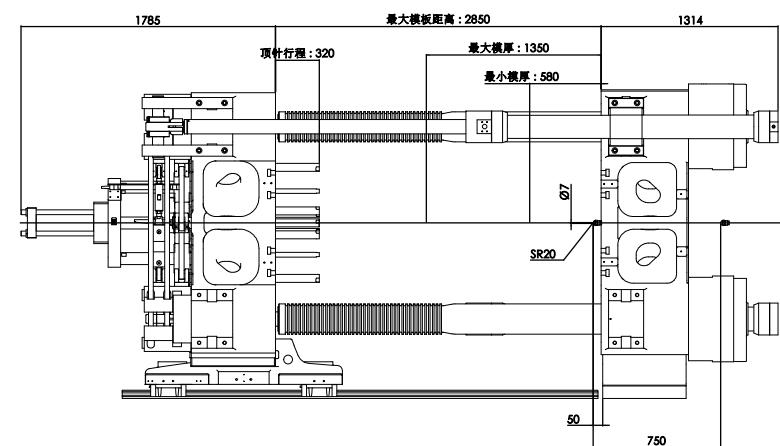
Dimensions of moving platen



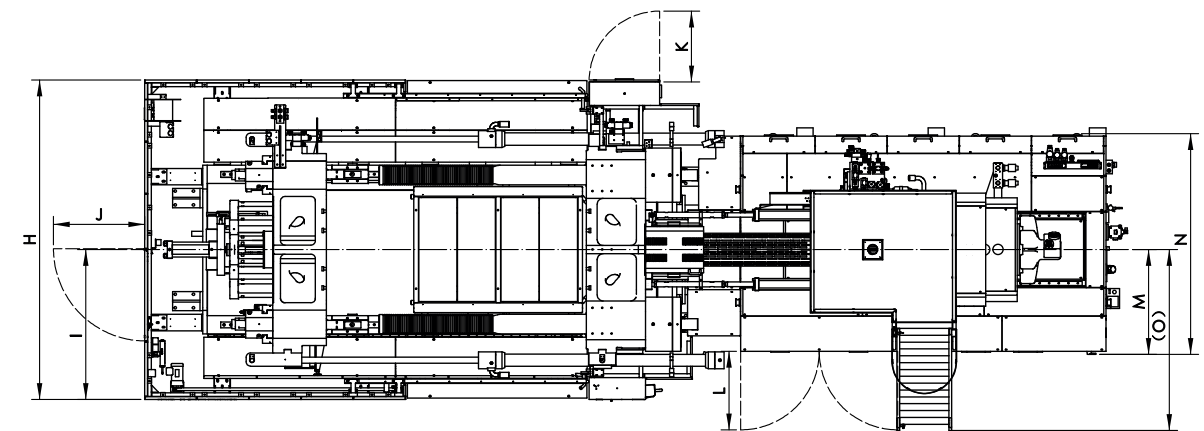
Main view



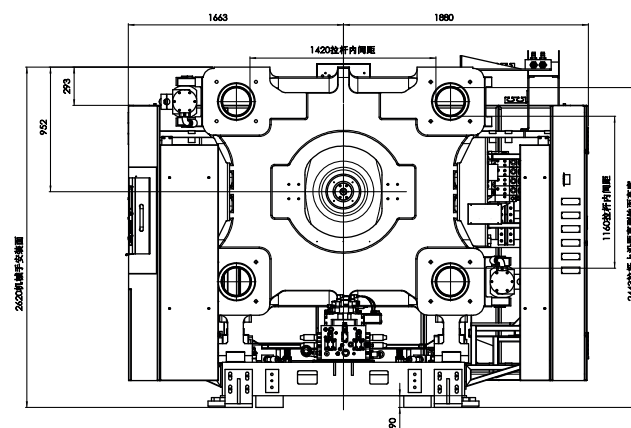
Clamping unit



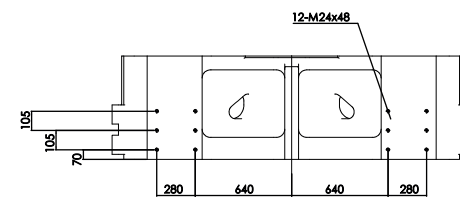
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

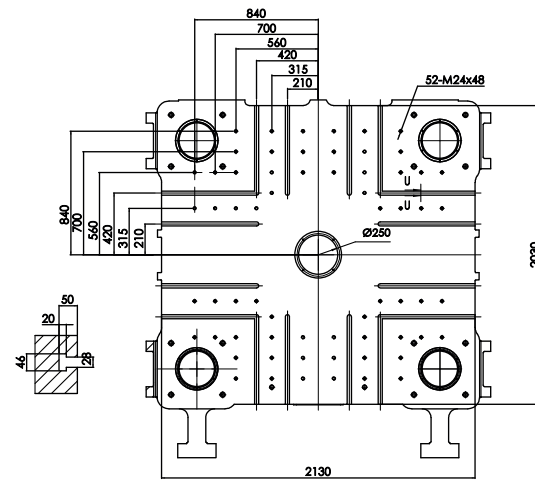


BL1300DK-W	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	2743	2327	5865	10777	110	1668	3632	3543	1642	1000	775	861	1147	2419	1983

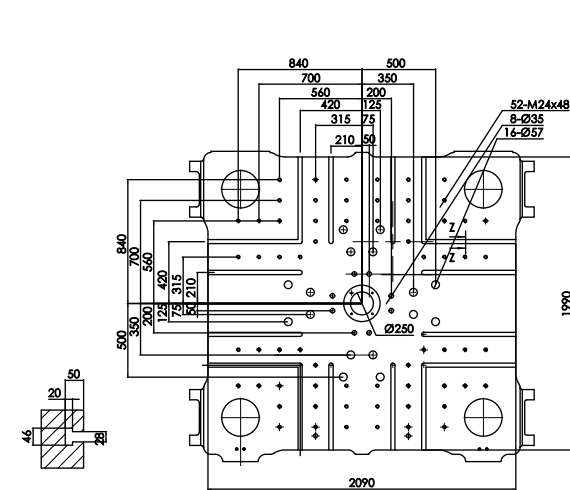
BL1400DK

Technical Data

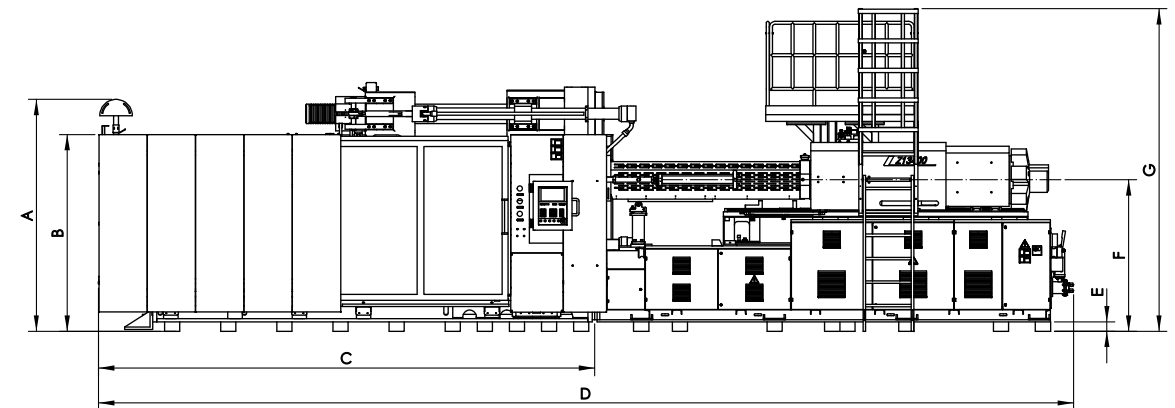
Dimensions of stationary platen



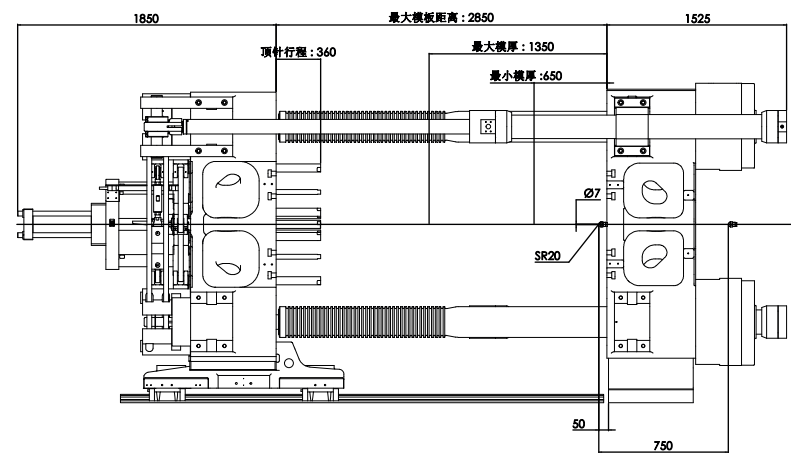
Dimensions of moving platen



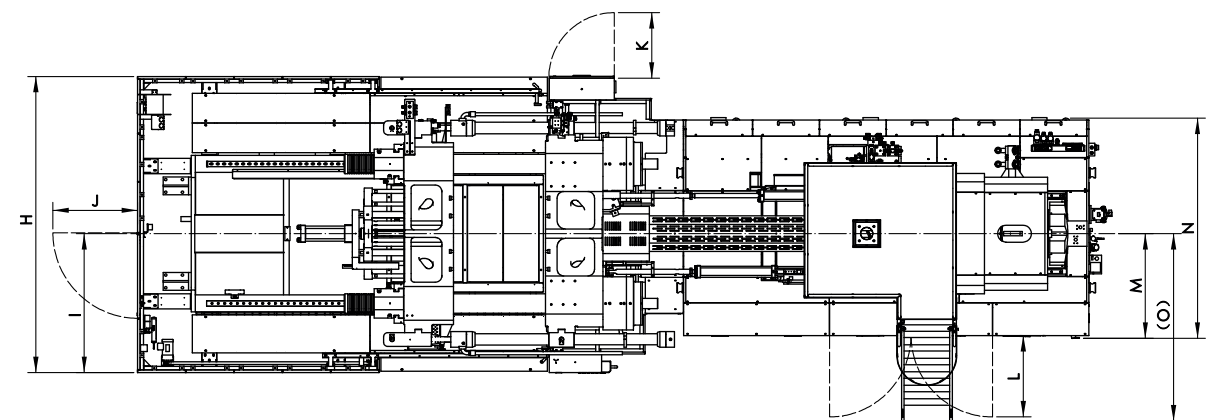
Main view



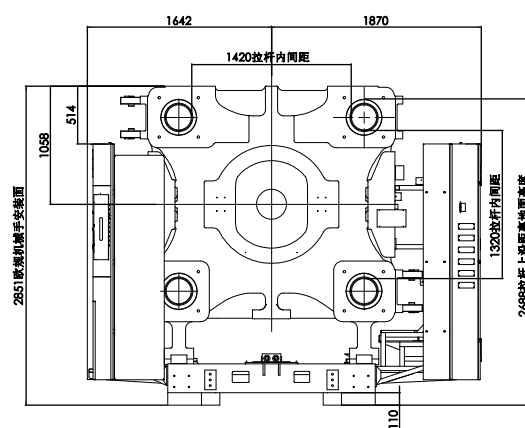
Clamping unit



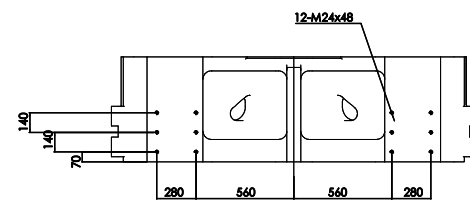
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

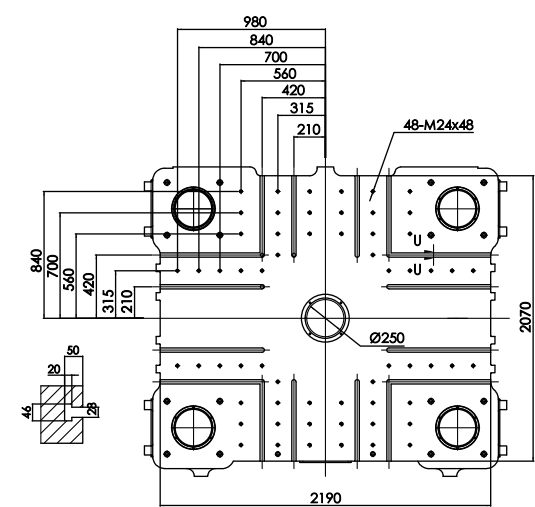


BL1400DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	2743	2327	5871	11537	110	1793	3815	3512	1642	1000	775	963	1237	2603	2213

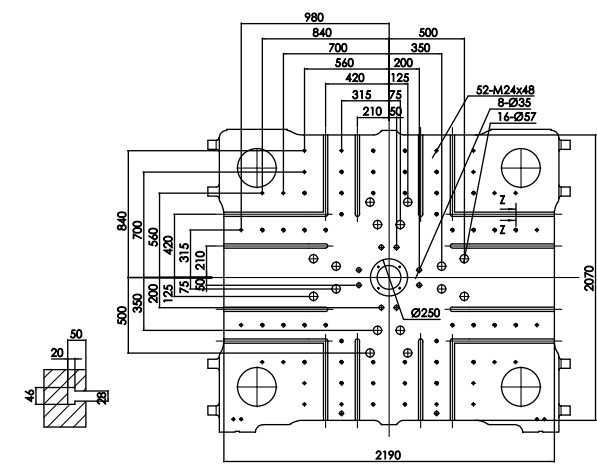
BL1500DK-W

Technical Data

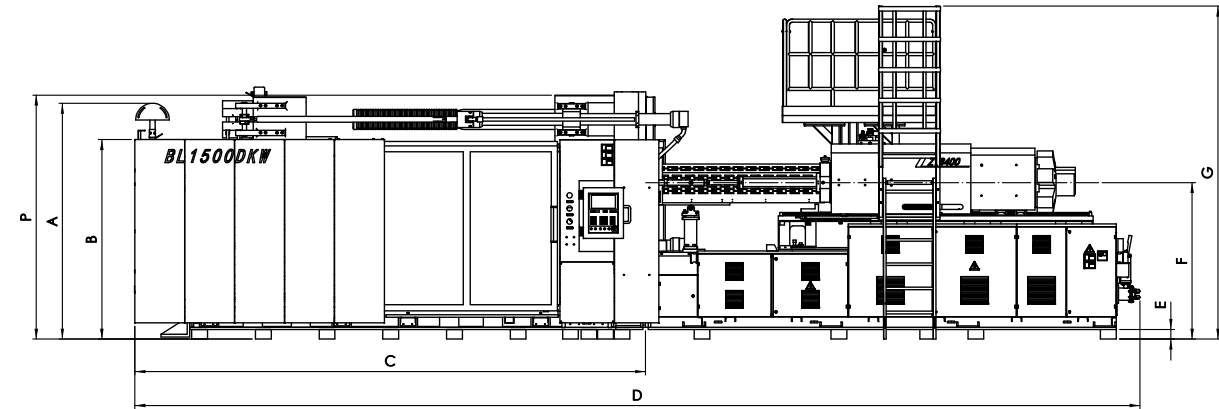
Dimensions of stationary platen



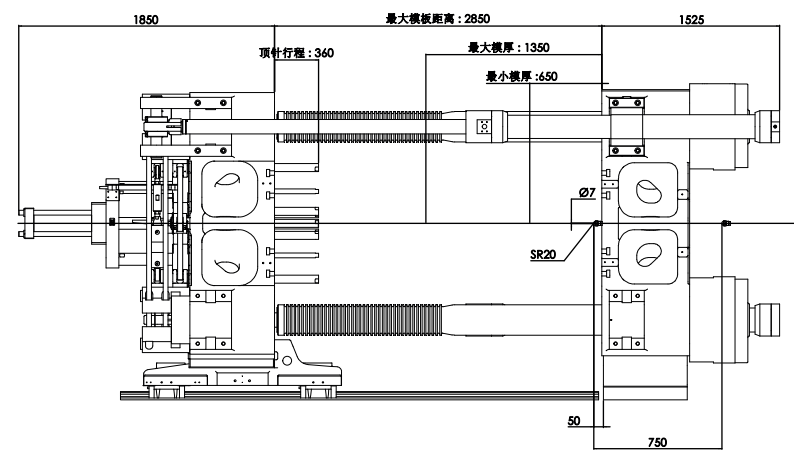
Dimensions of moving platen



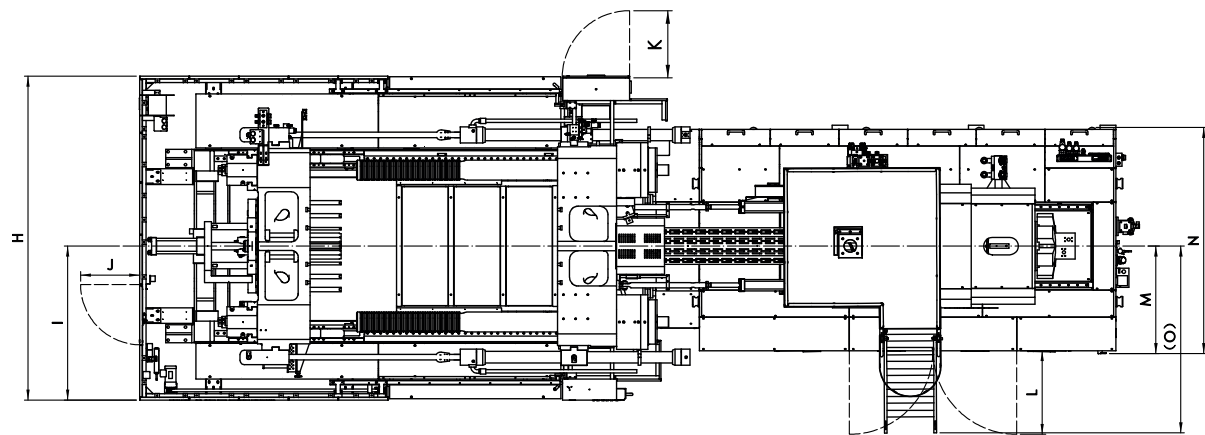
Main view



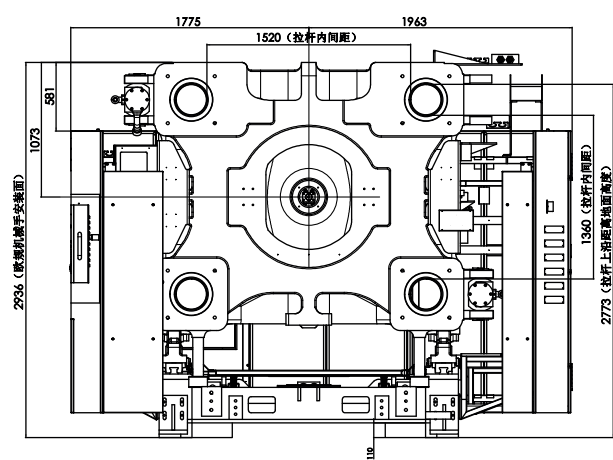
Clamping unit



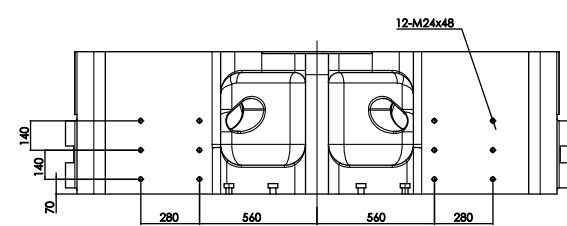
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

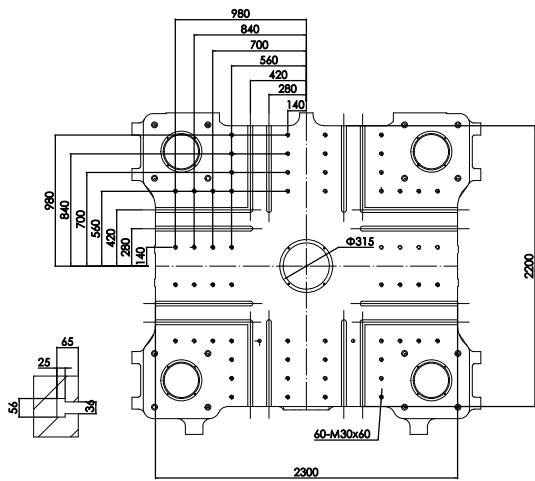


BL1500DK-W	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	2702	2286	5852	11518	110	1863	3815	3738	1773	683	775	963	1237	2603	2151	2936

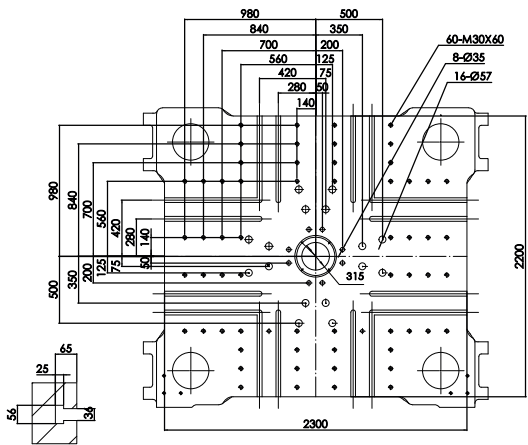
BL1800DK

Technical Data

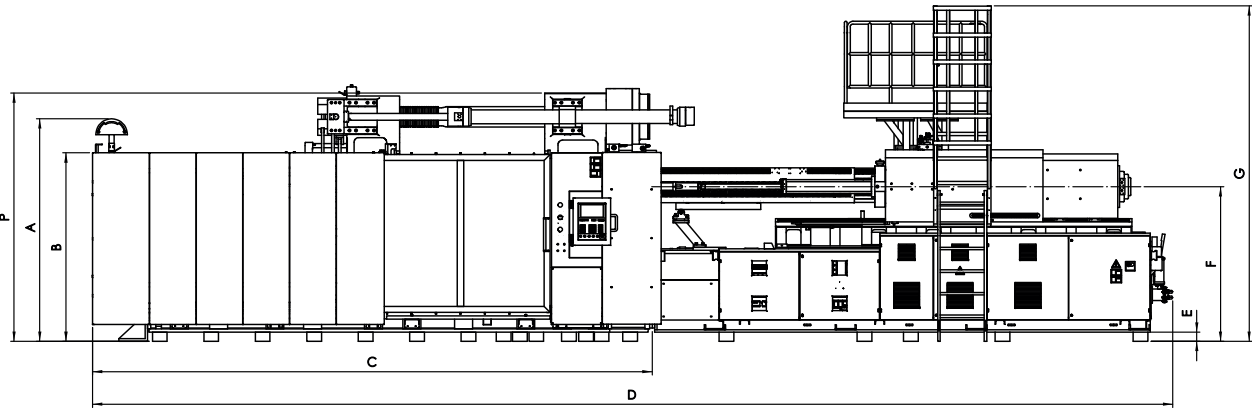
Dimensions of stationary platen



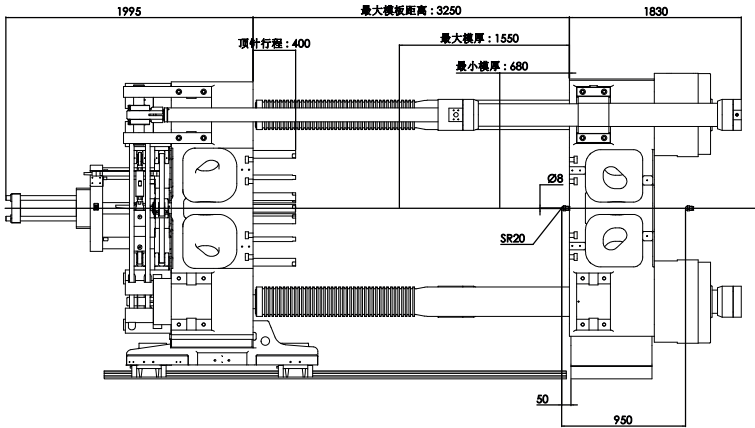
Dimensions of moving platen



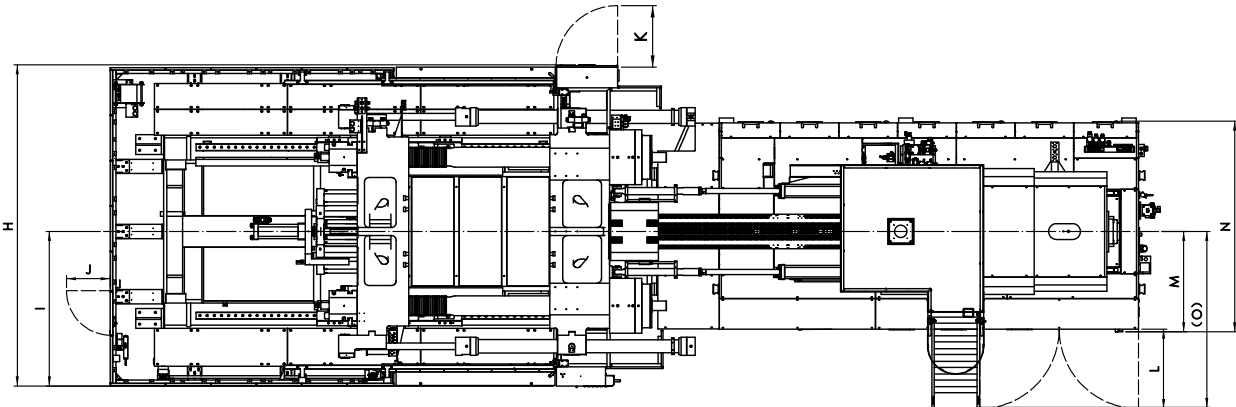
Main view



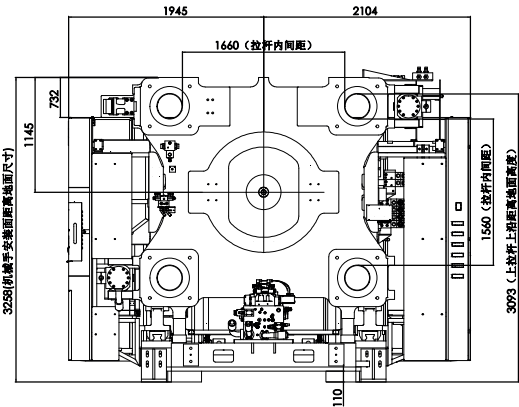
Clamping unit



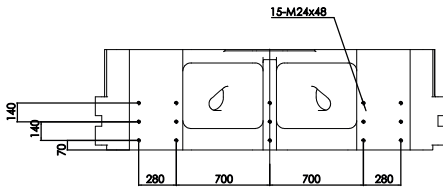
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

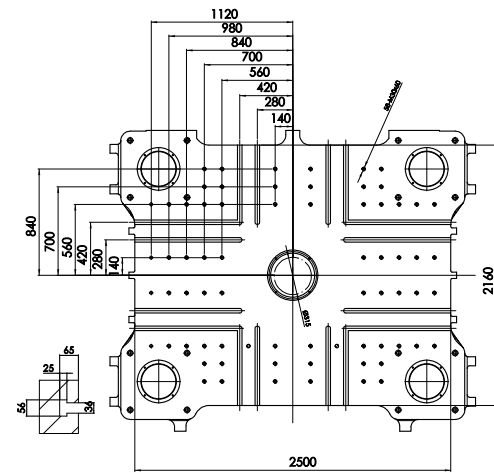


BL1800DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	2723	2306	6852	13275	110	2063	4277	4049	1945	550	775	999	1262	2653	2213	3258

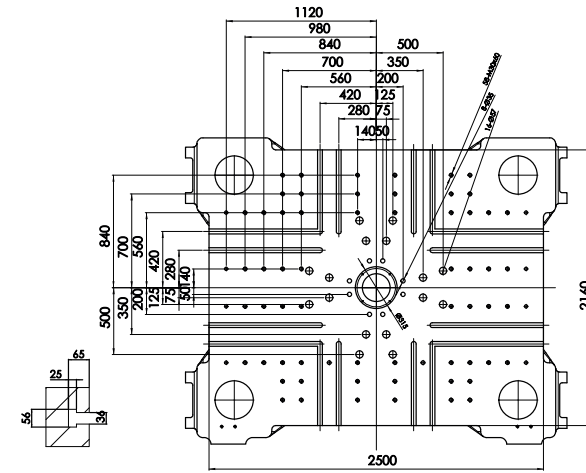
BL1850DK-W

Technical Data

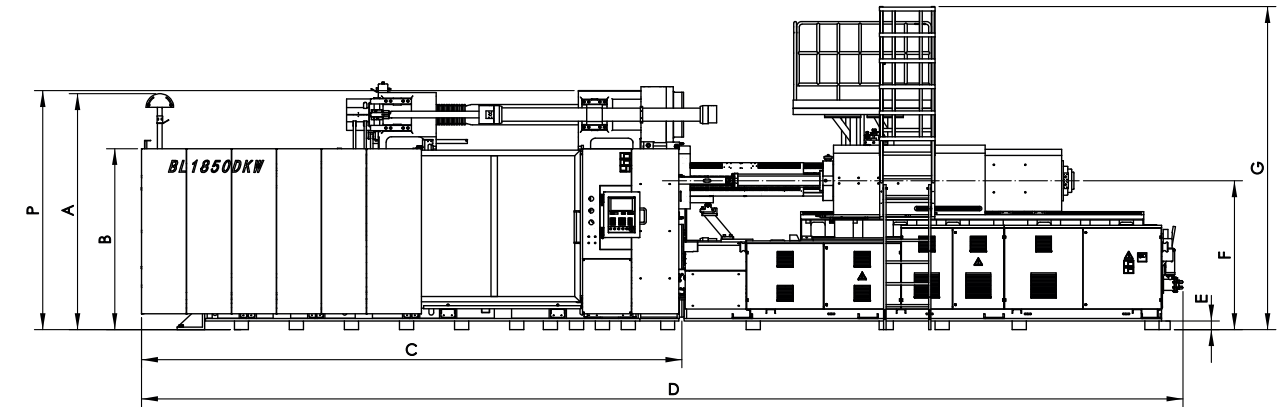
Dimensions of stationary platen



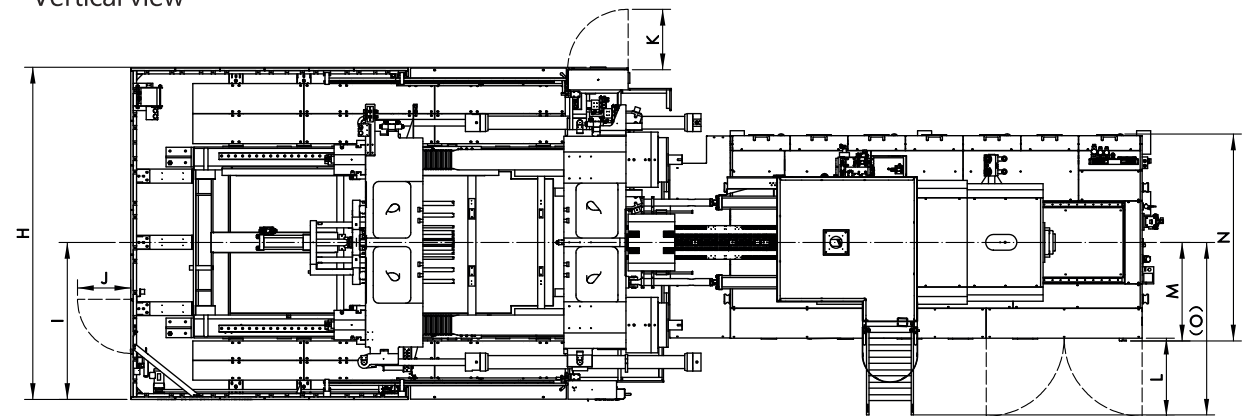
Dimensions of moving platen



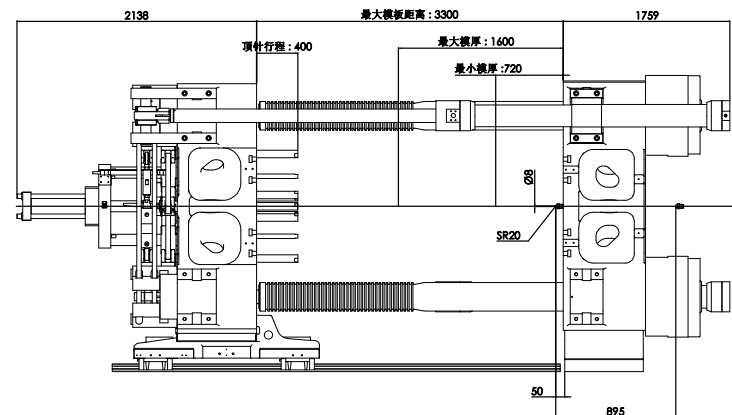
Main view



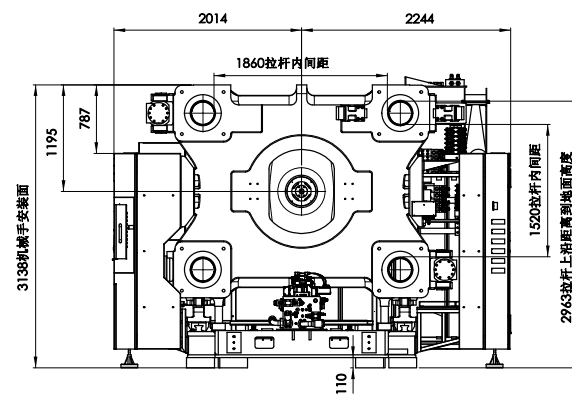
Vertical view



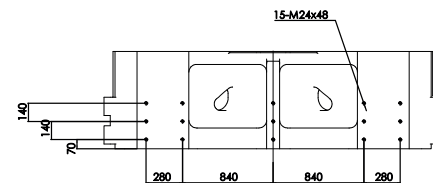
Clamping unit



Robot installation dimensions



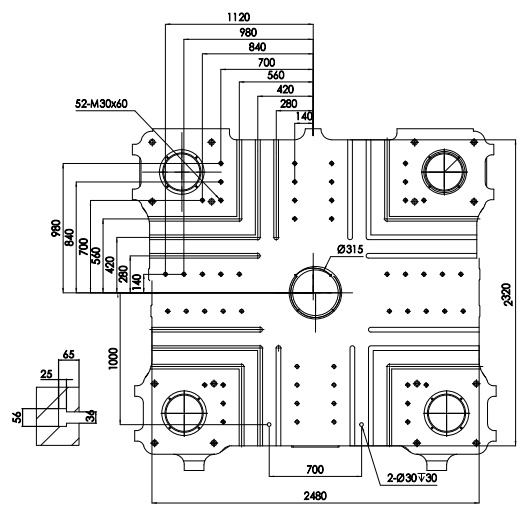
Robot installation dimensions on stationary platen



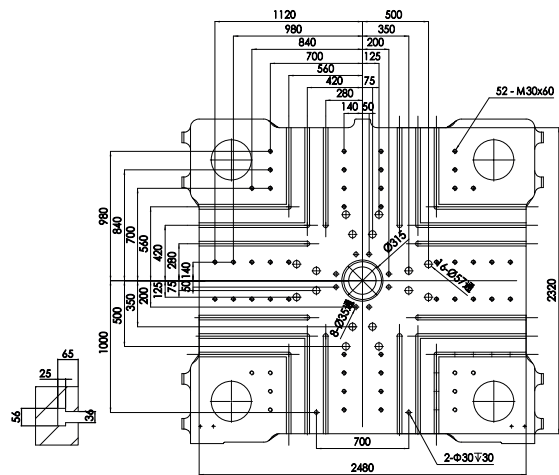
BL1850DK-W	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	3000	2301	6870	13243	110	1943	4107	4258	2013	683	775	999	1263	2653	2213	3138

BL2000DK
Technical Data

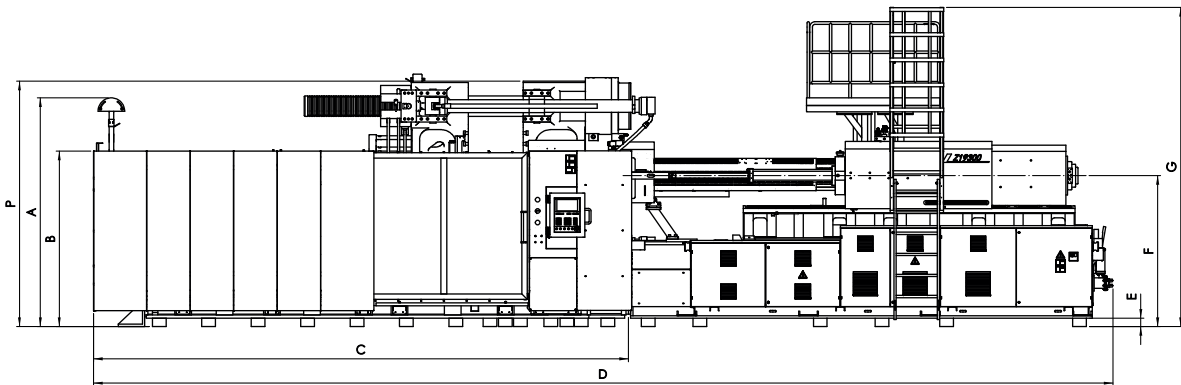
Dimensions of stationary platen



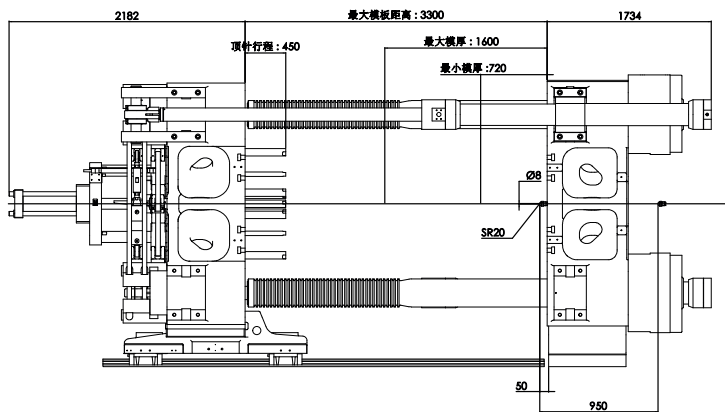
Dimensions of moving platen



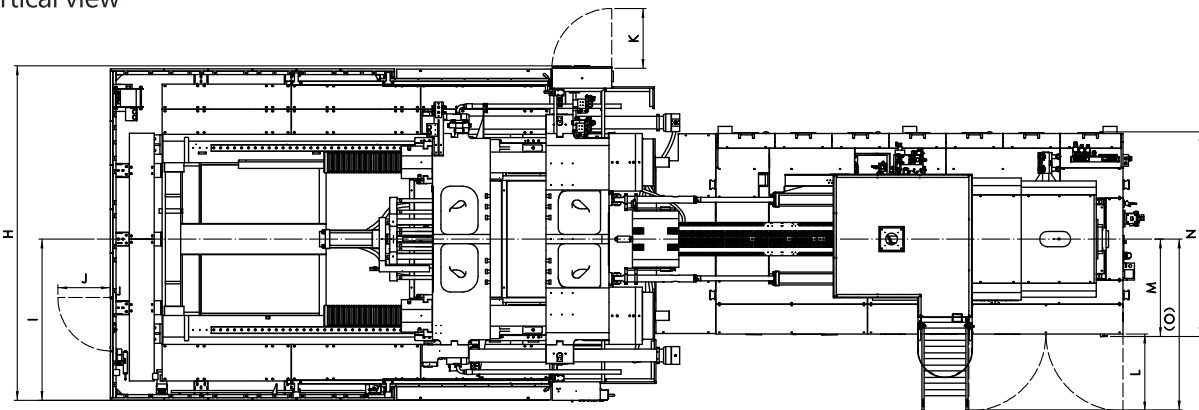
Main view



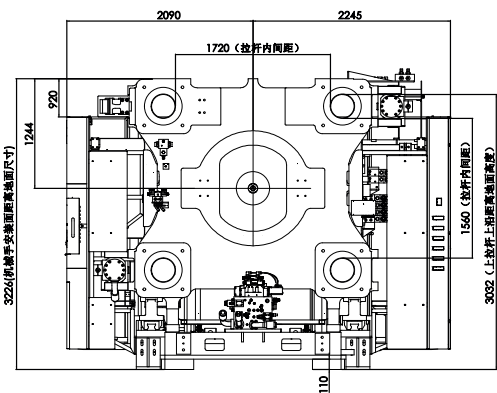
Clamping unit



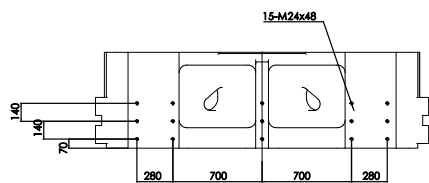
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

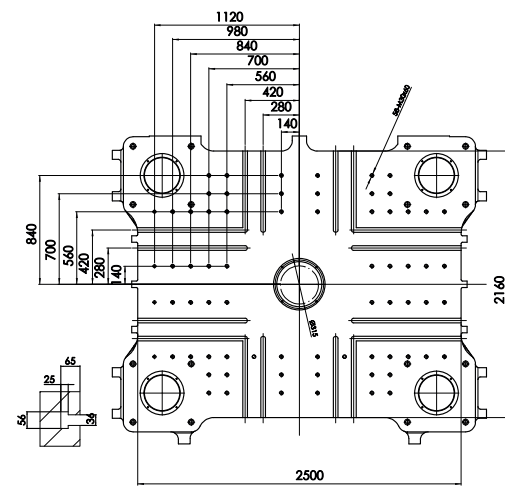


BL2000DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	3005	2306	7031	13405	110	1982	4196	4335	2090	683	775	999	1263	2653	2213	3226

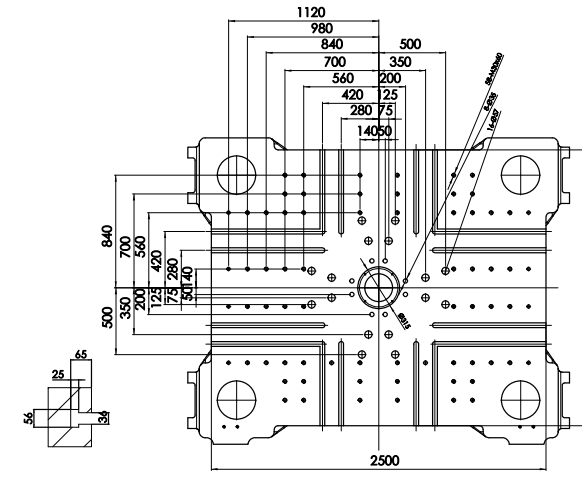
BL2100DK-W

Technical Data

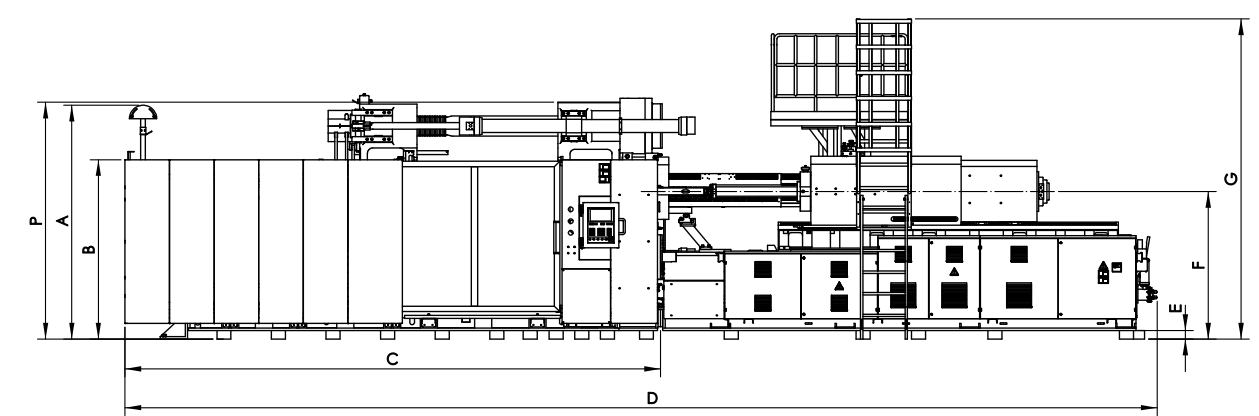
Dimensions of stationary platen



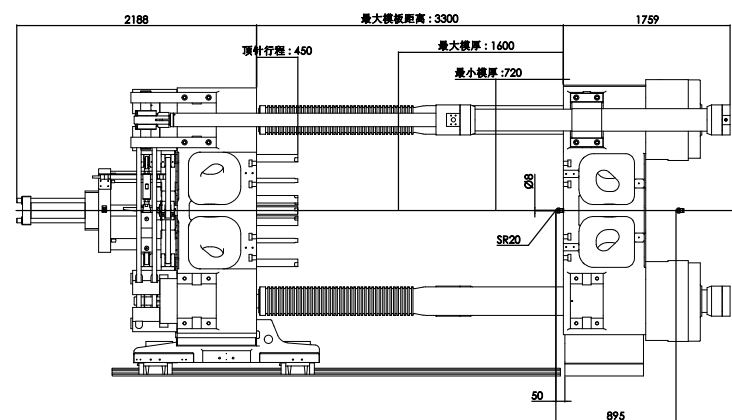
Dimensions of moving platen



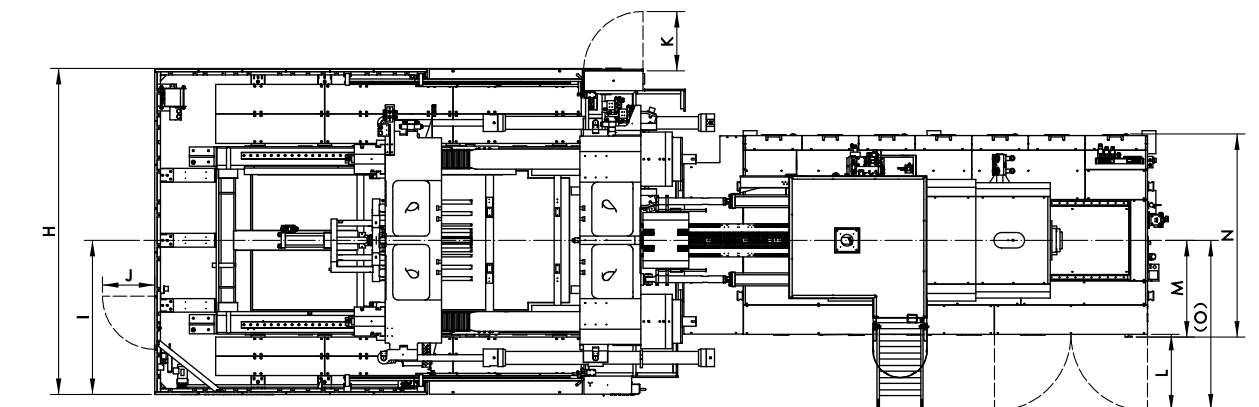
Main view



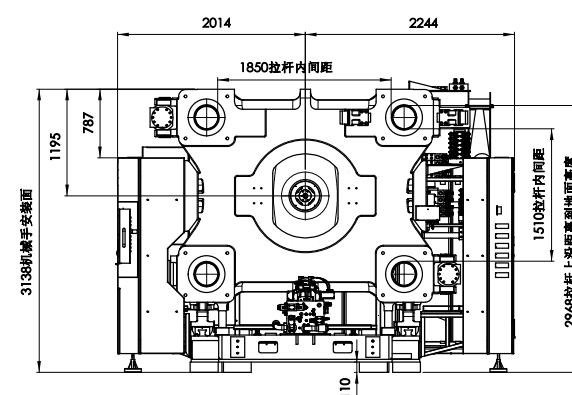
Clamping unit



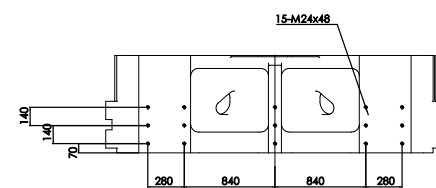
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

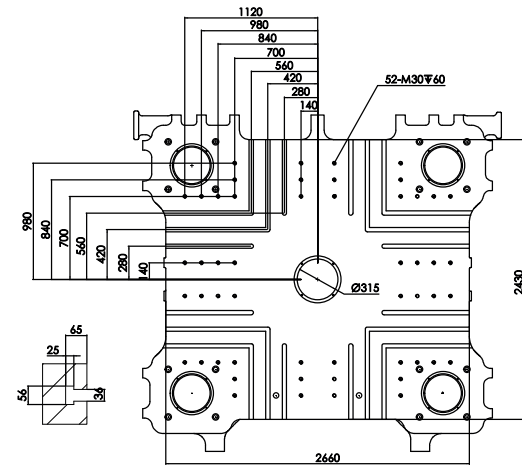


BL2100DK-W	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	3000	2301	6940	13313	110	1943	4157	4258	2013	683	775	999	1263	2653	2213	3138

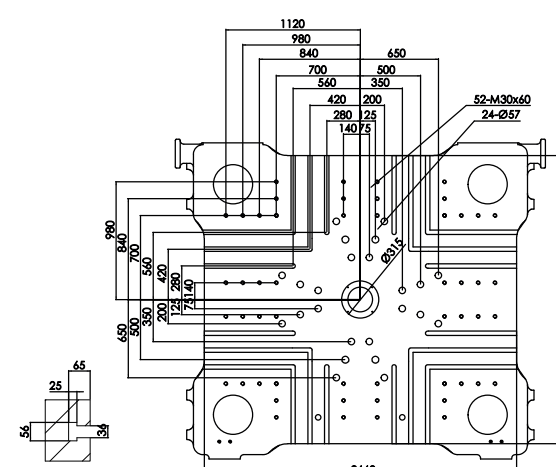
BL2300DK

Technical Data

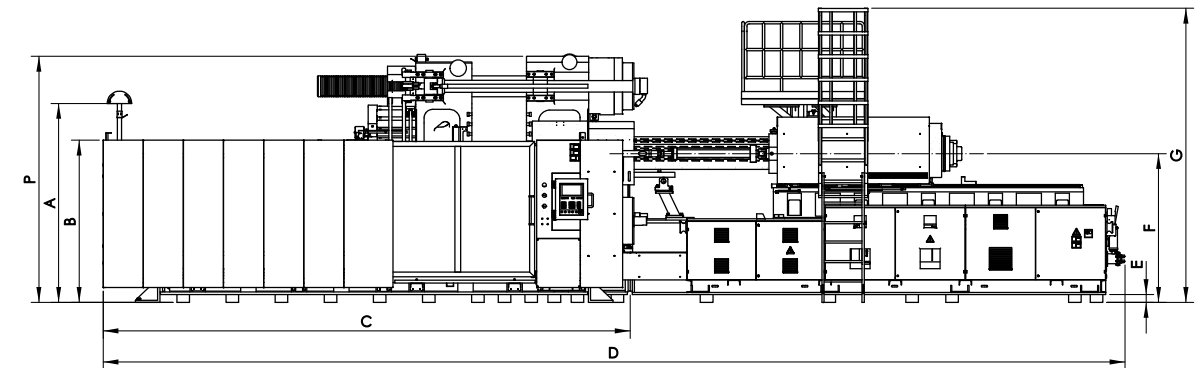
Dimensions of stationary platen



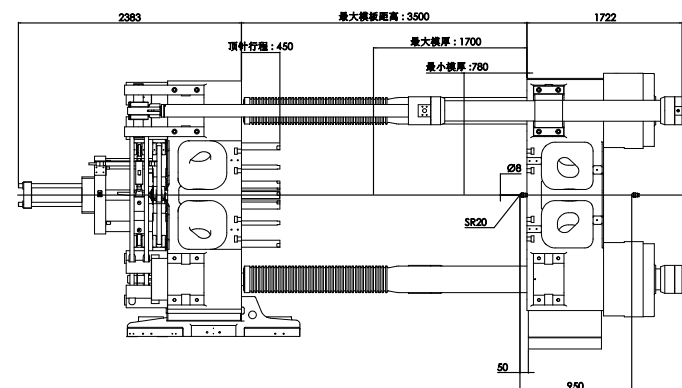
Dimensions of moving platen



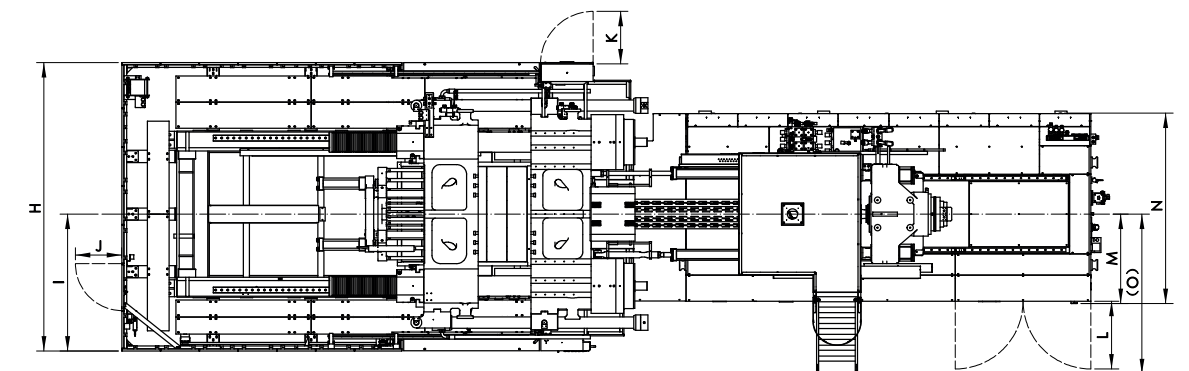
Main view



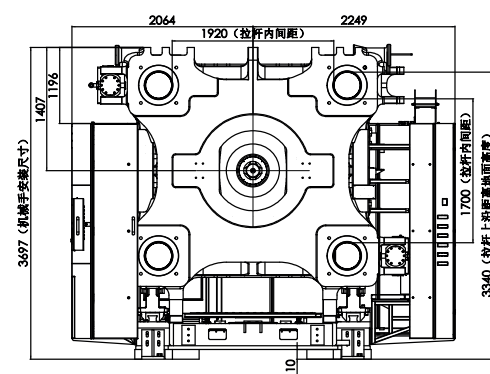
Clamping unit



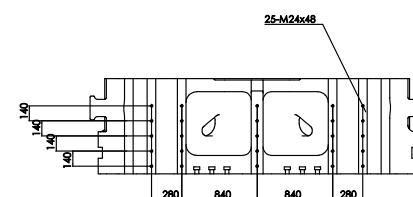
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

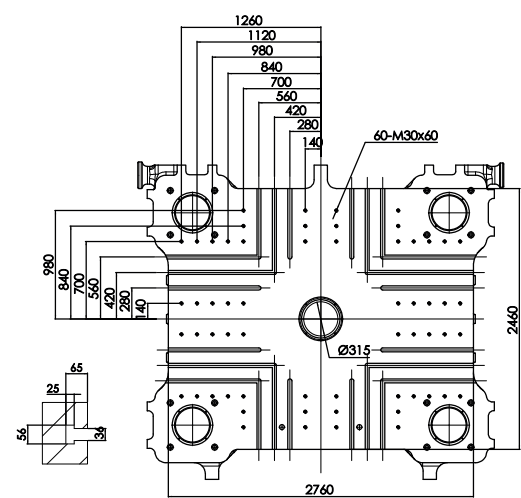


BL2300DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	2835	2311	7512	14565	110	2290	4364	4313	2038	683	775	999	1317	2806	2439	3697

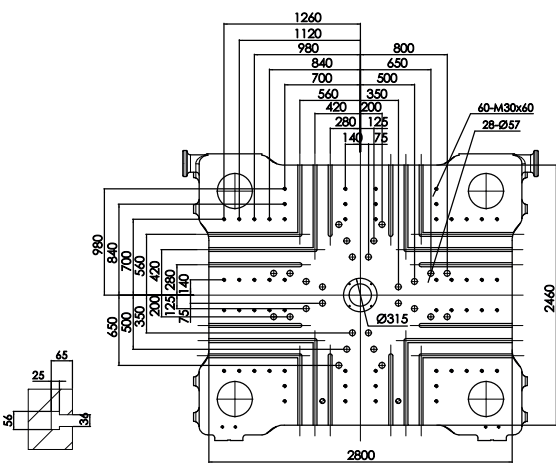
BL2500DK-W

Technical Data

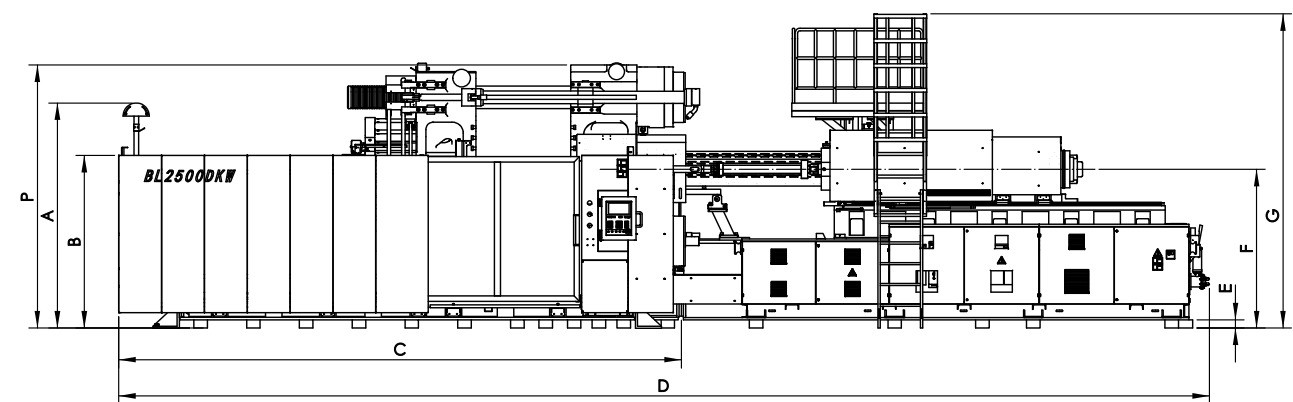
Dimensions of stationary platen



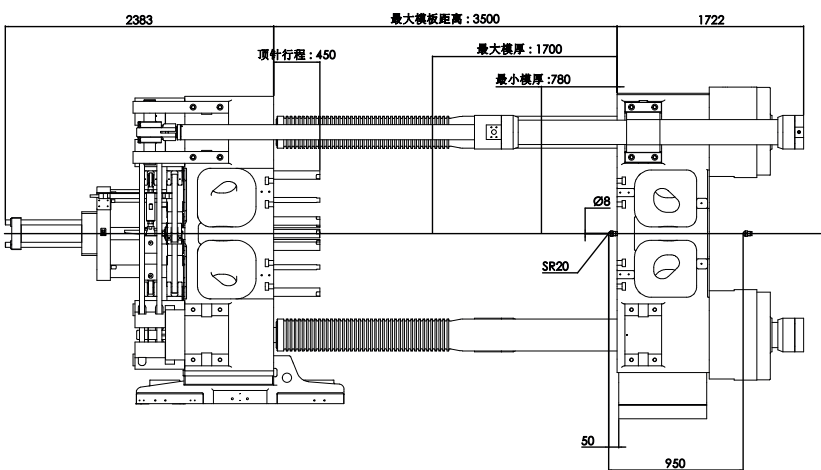
Dimensions of moving platen



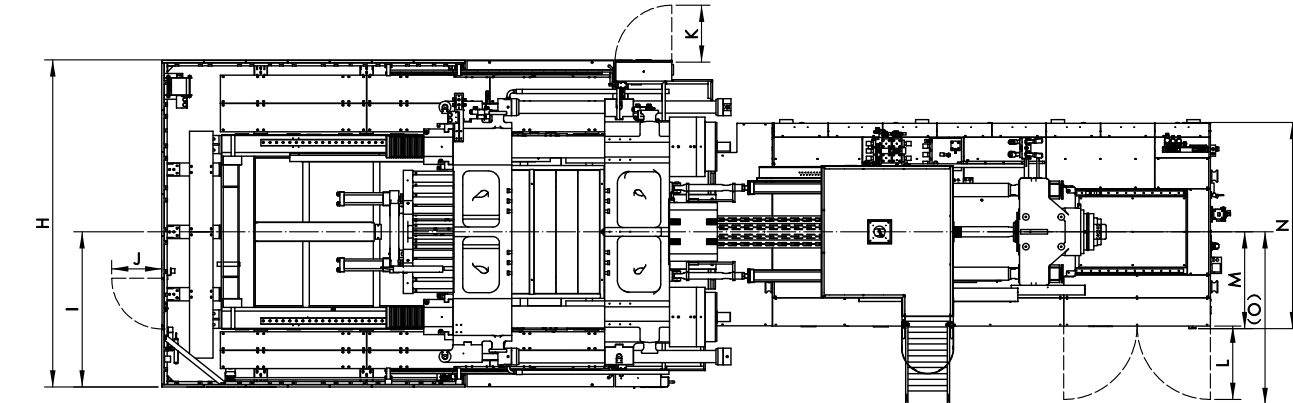
Main view



Clamping unit

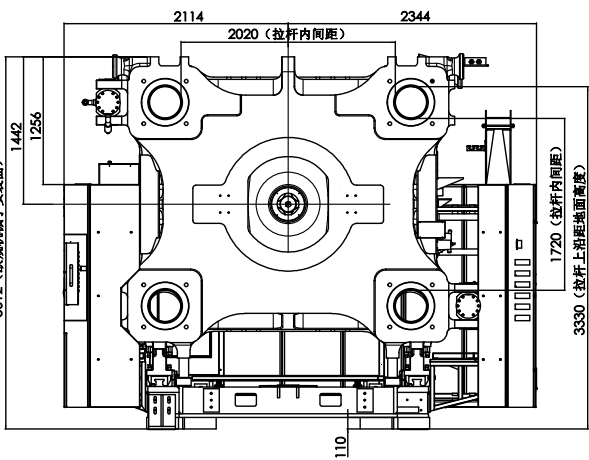


Vertical view

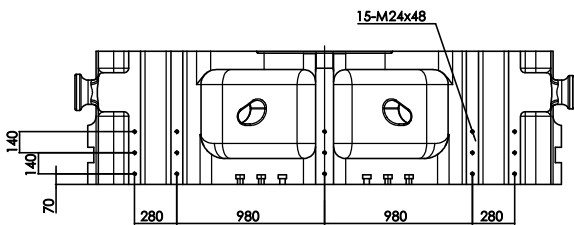


BL2500DK-W	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	3005	2306	7512	14565	110	2170	4244	4458	2113	683	775	999	1317	2807	2353	3612

Robot installation dimensions



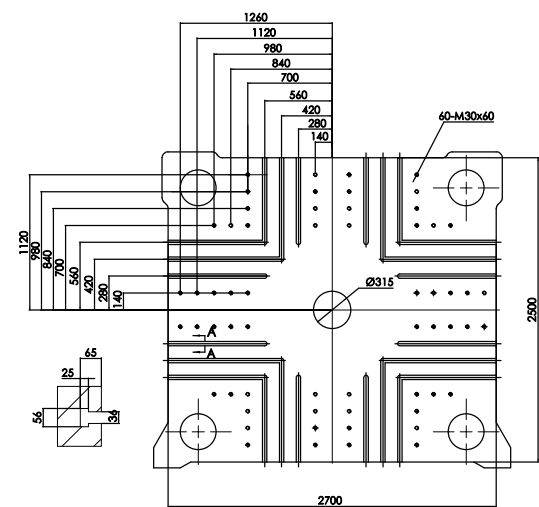
Robot installation dimensions on stationary platen



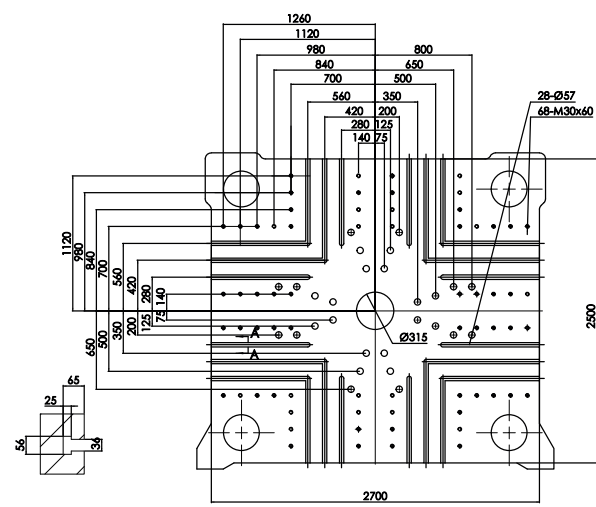
BL2700DK

Technical Data

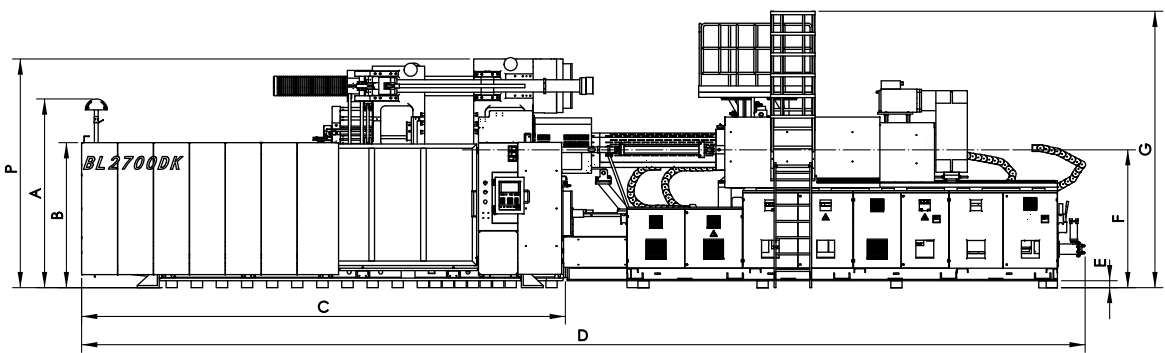
Dimensions of stationary platen



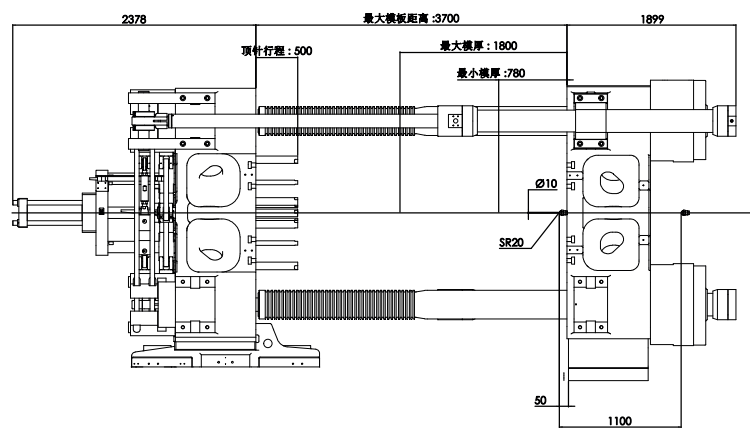
Dimensions of moving platen



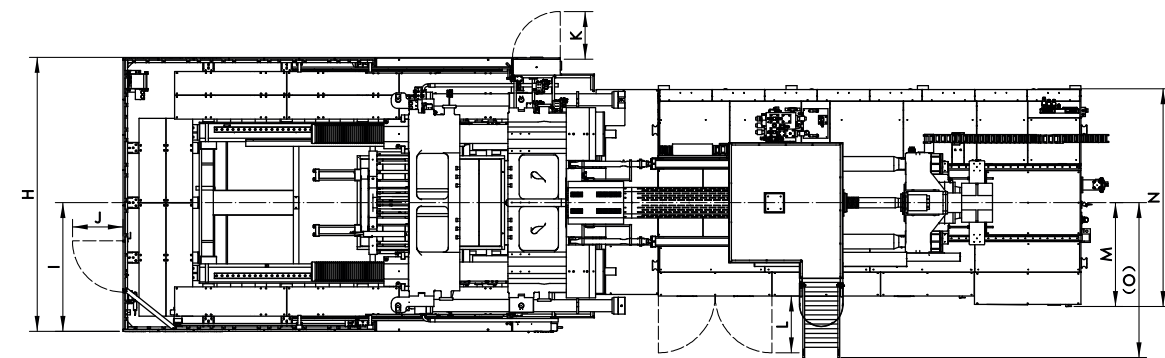
Main view



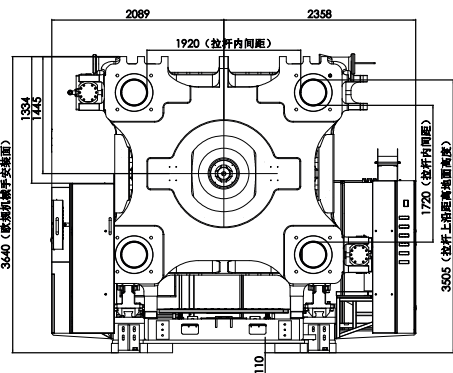
Clamping unit



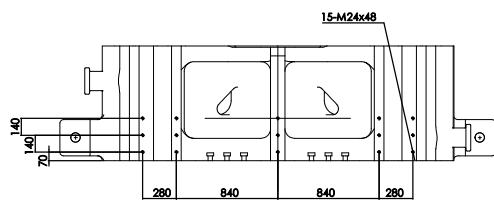
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

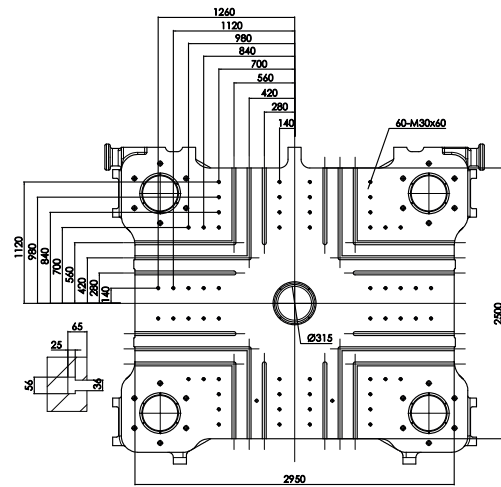


BL2700DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	3005	2306	7704	15982	110	2195	4402	4446	2088	823	775	922	1685	3532	2513	3640

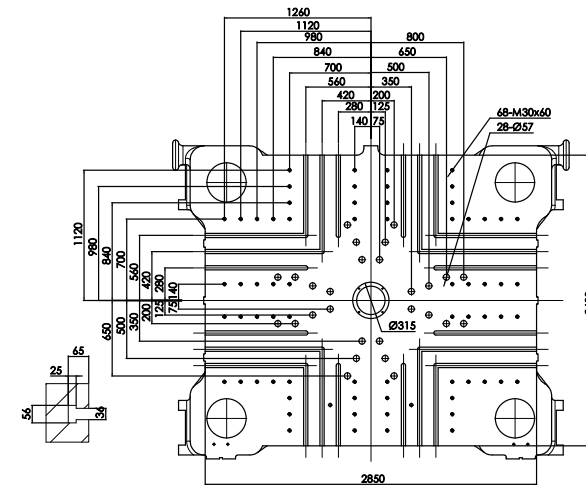
BL2800DK-W

Technical Data

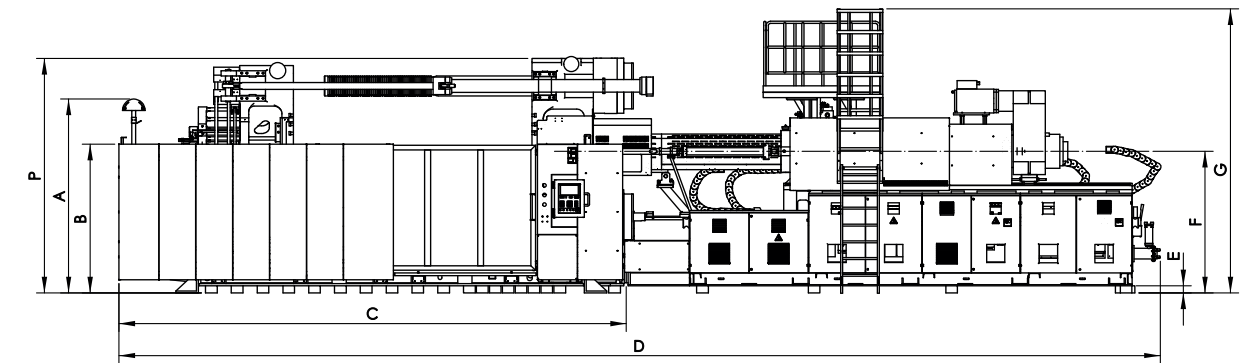
Dimensions of stationary platen



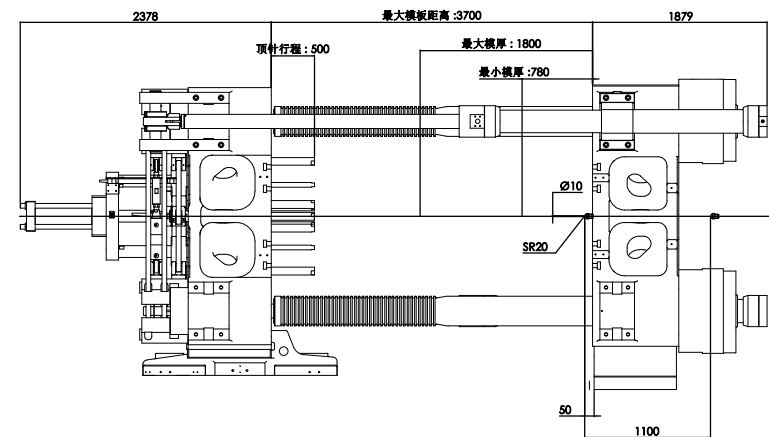
Dimensions of moving platen



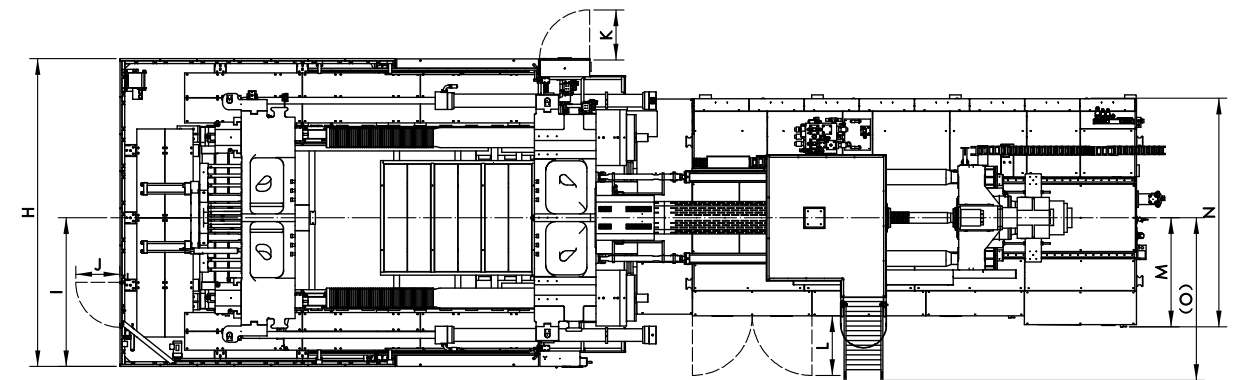
Main view



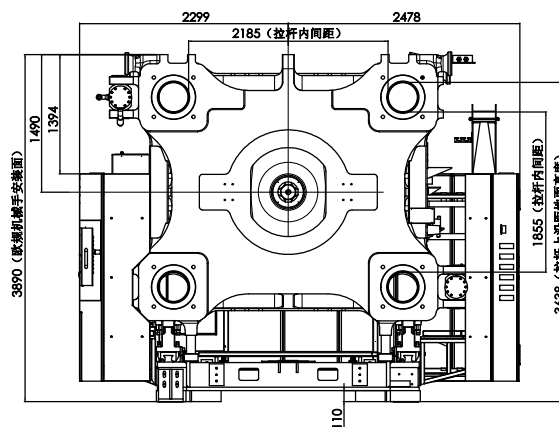
Clamping unit



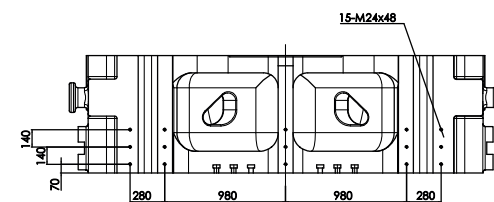
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

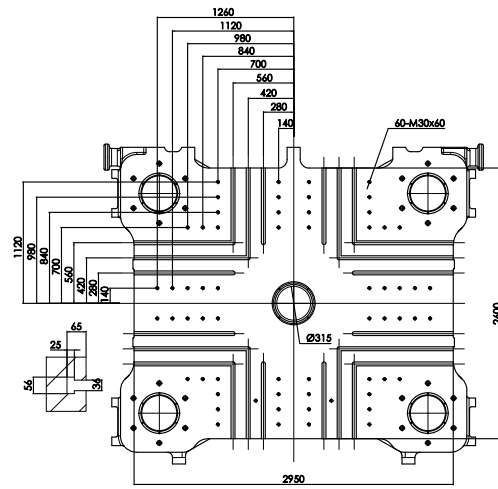


BL2800DK-W	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	3005	2306	7866	16144	110	2400	4607	4774	2297	683	775	922	1685	3532	2513	3890

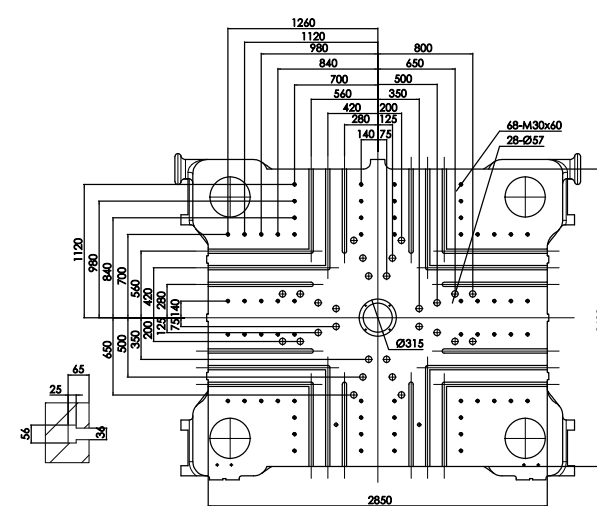
BL3000DK-W

Technical Data

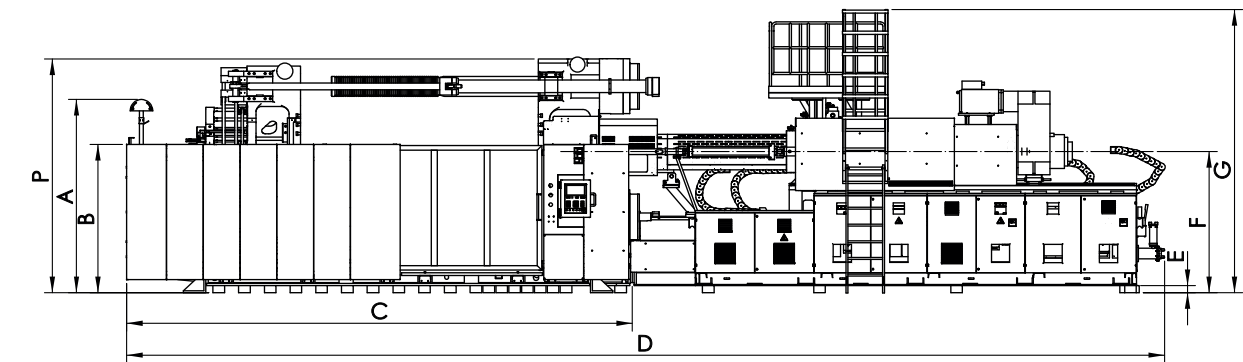
Dimensions of stationary platen



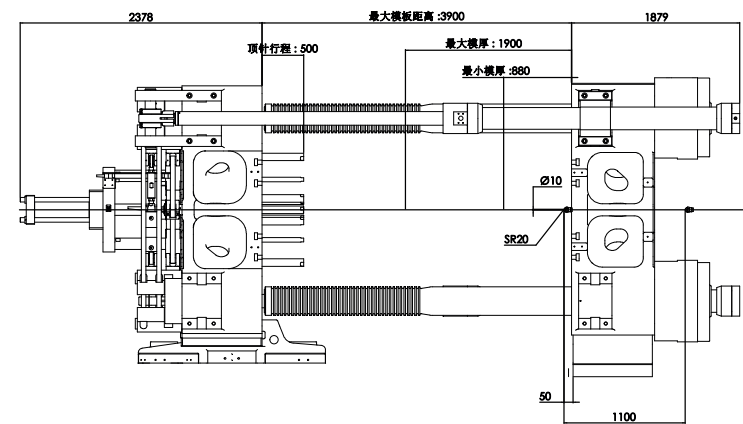
Dimensions of moving platen



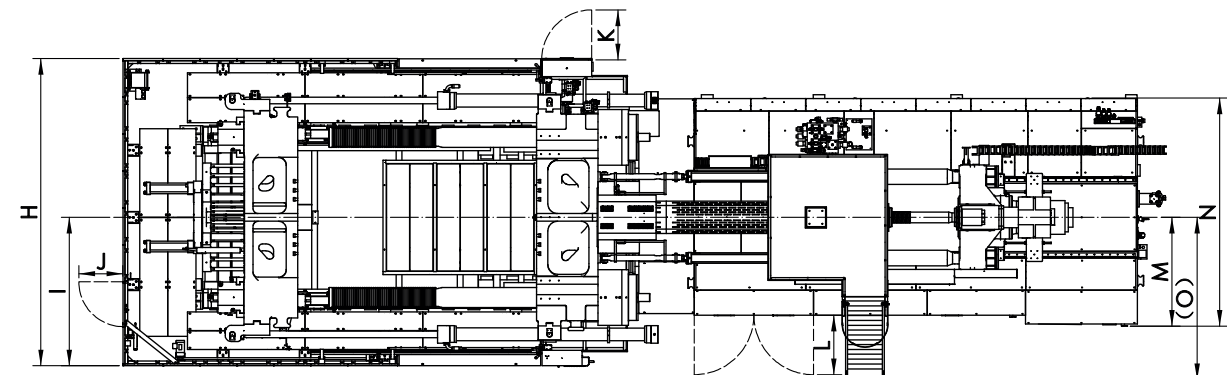
Main view



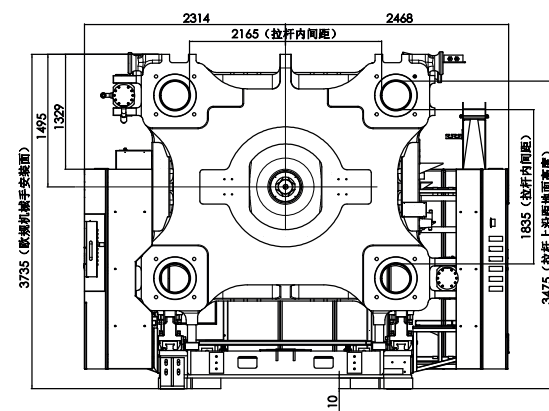
Clamping unit



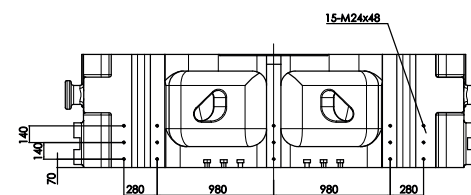
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

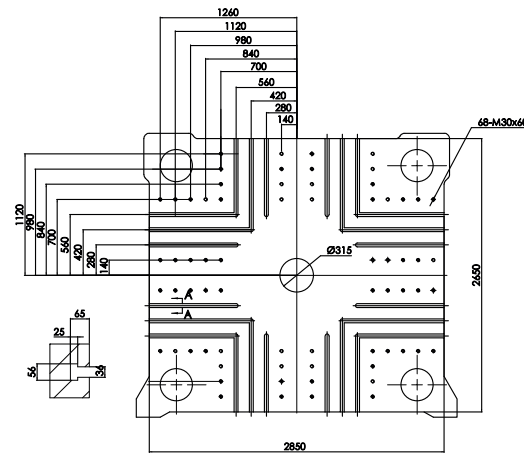


BL3000DK-W	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	3005	2306	8066	16344	110	2195	4402	4766	2297	683	775	922	1685	3532	2513	3635

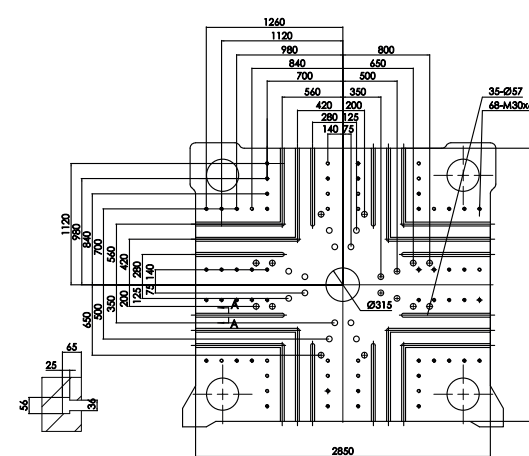
BL3200DK

Technical Data

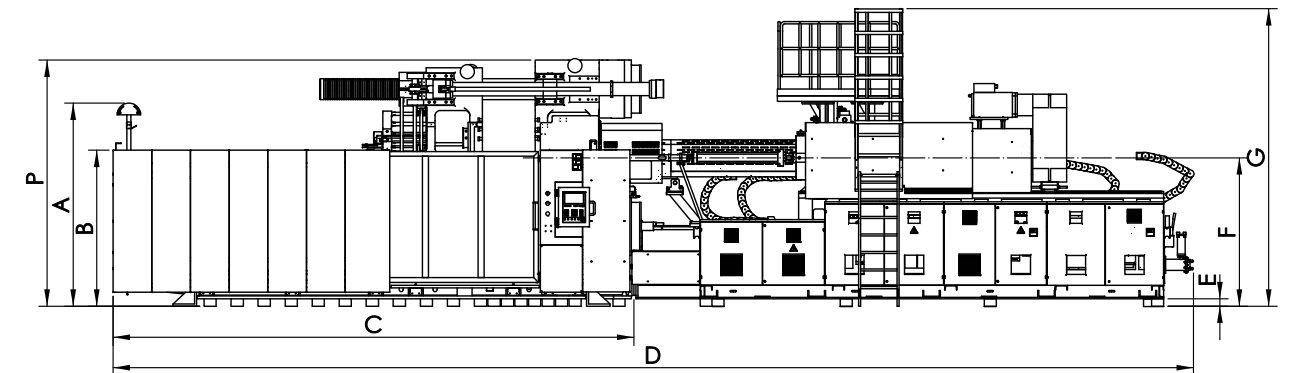
Dimensions of stationary platen



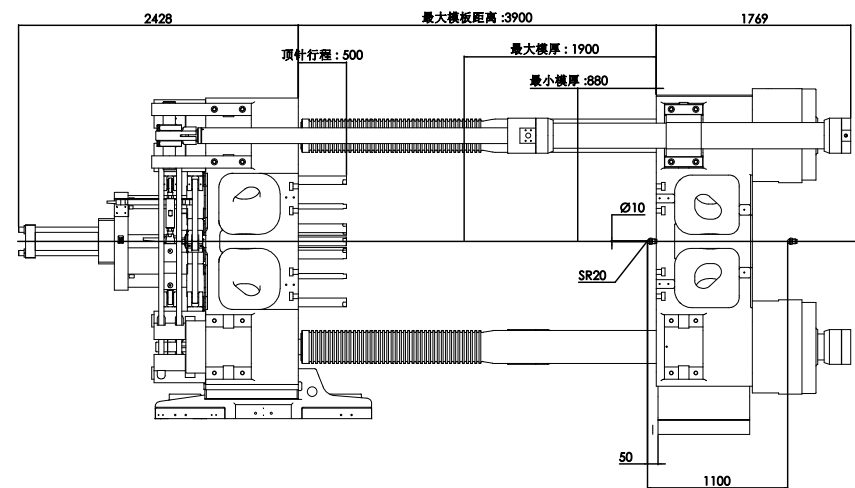
Dimensions of moving platen



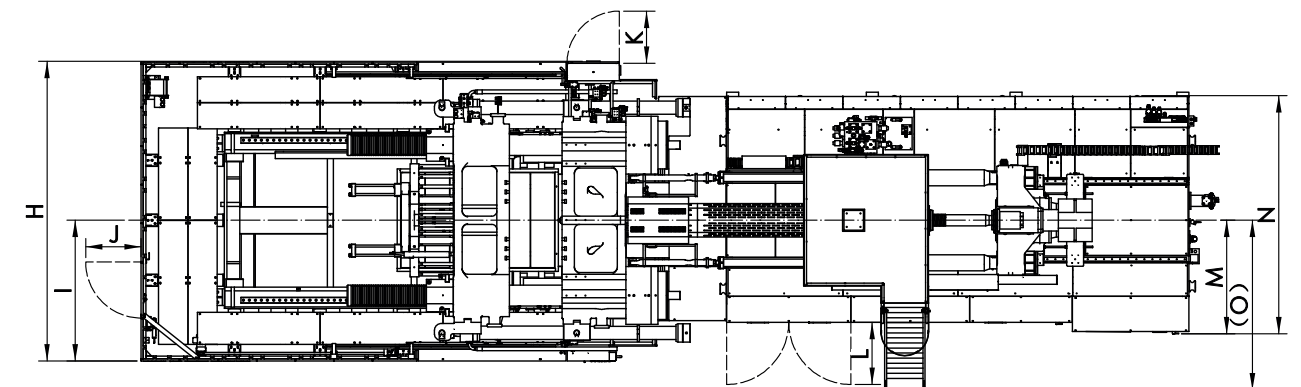
Main view



Clamping unit

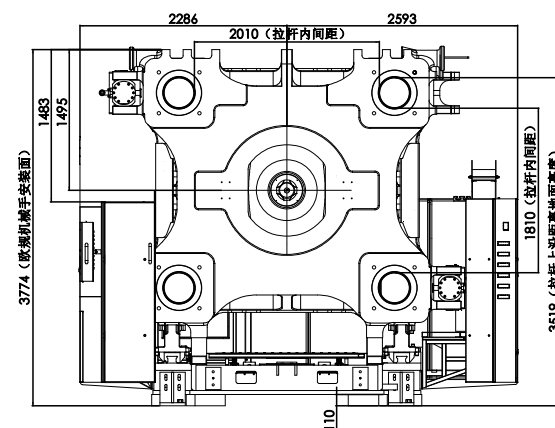


Vertical view

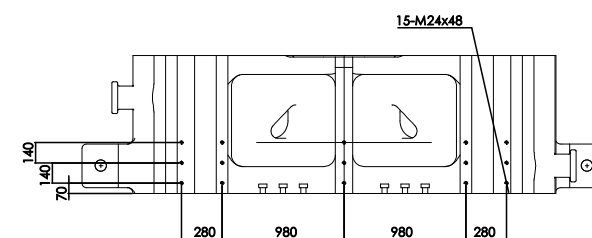


BL3200DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	2990	2291	8249	16527	110	2279	4486	4981	2487	688	775	922	1685	3532	2513	3774

Robot installation dimensions



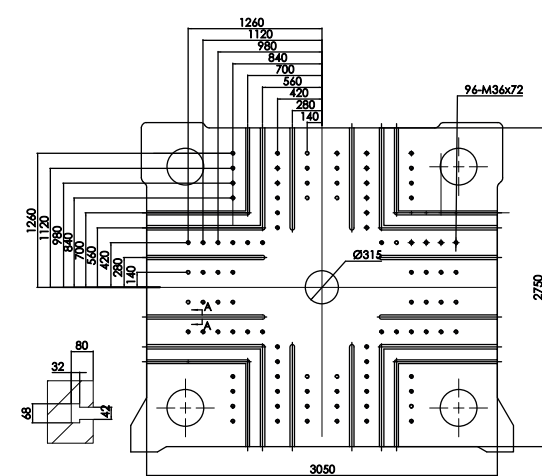
Robot installation dimensions on stationary platen



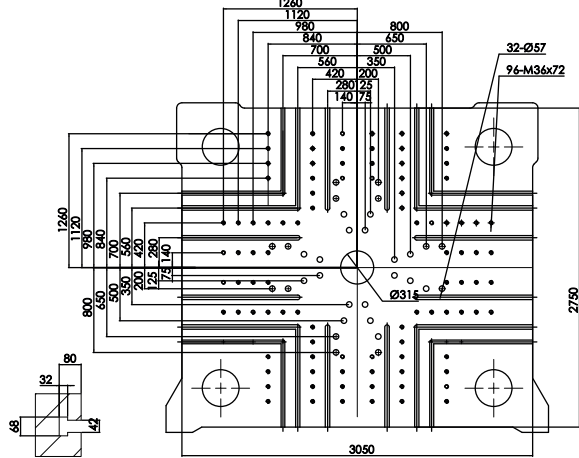
BL3300DK

Technical Data

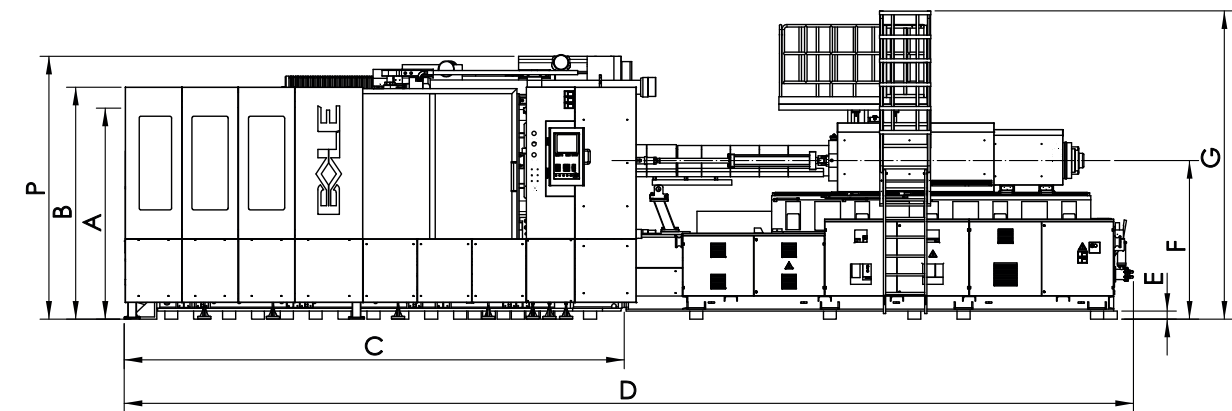
Dimensions of stationary platen



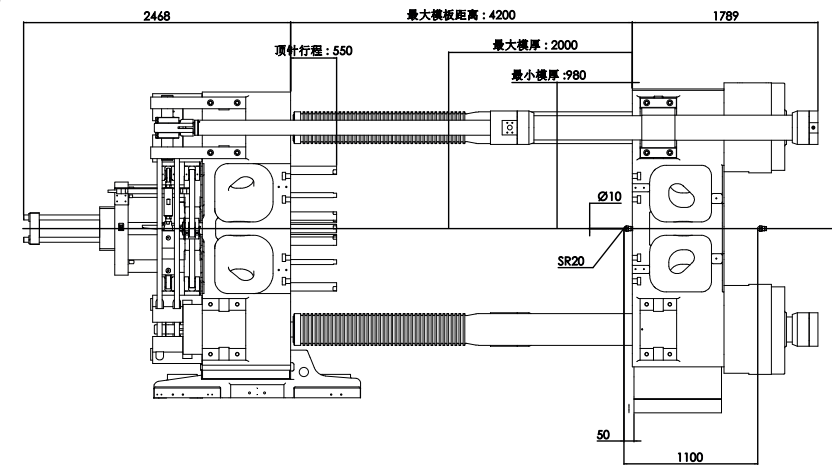
Dimensions of moving platen



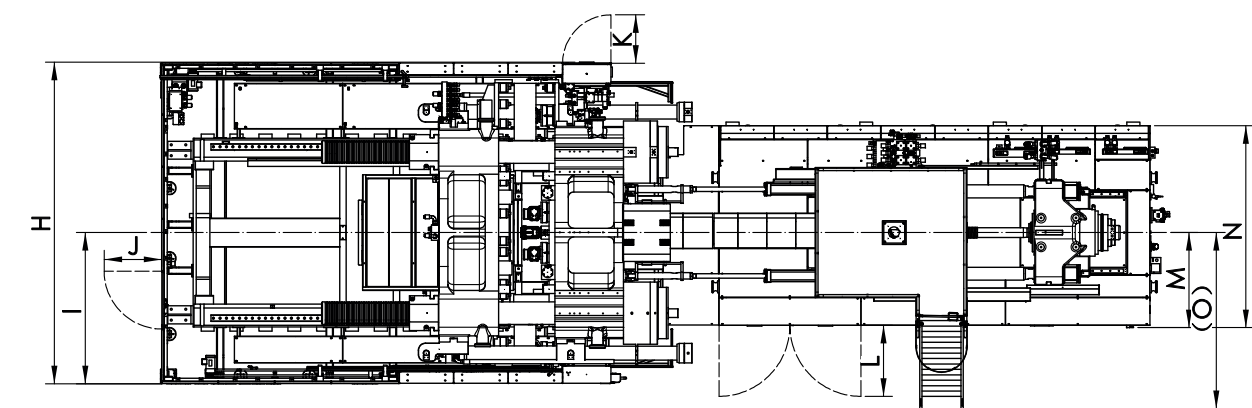
Main view



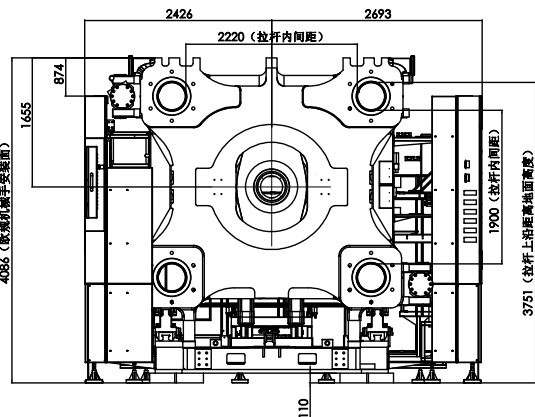
Clamping unit



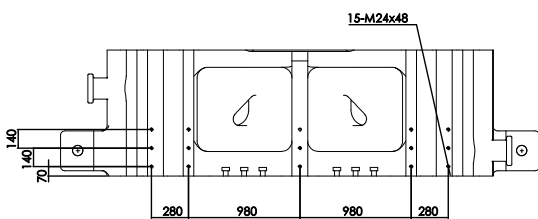
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen

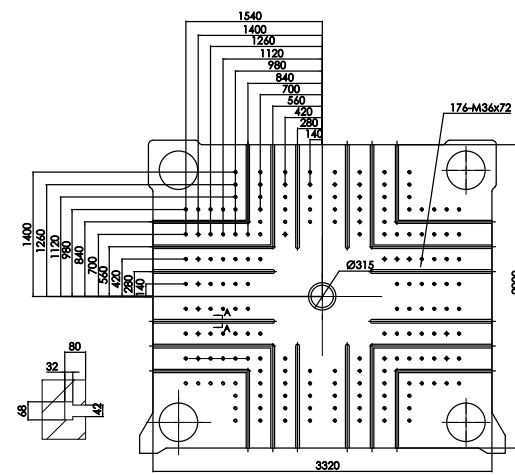


BL3300DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	3212	2990	8938	17908	110	2431	4685	5119	2426	1180	775	995	1780	3700	2513	4086

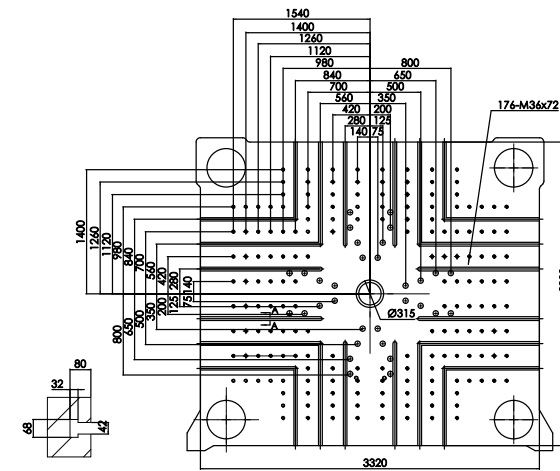
BL4000DK

Technical Data

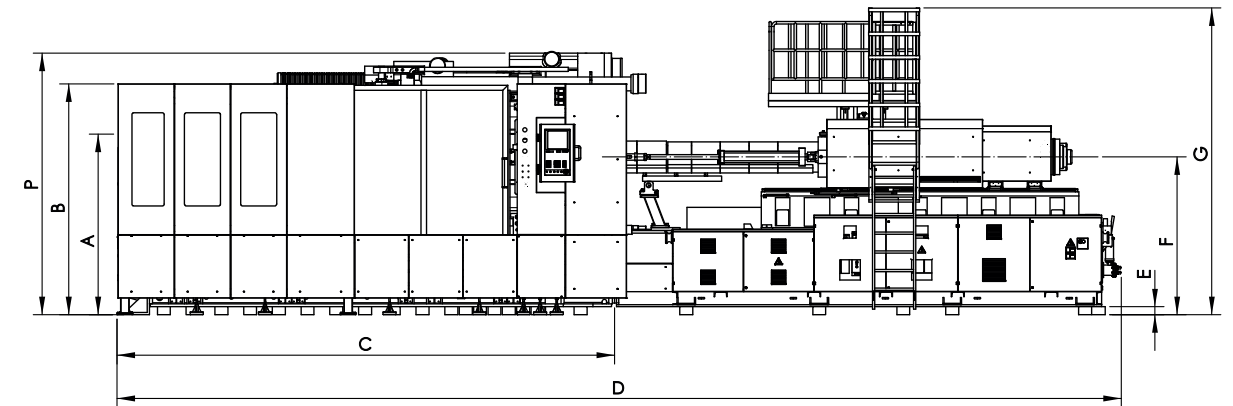
Dimensions of stationary platen



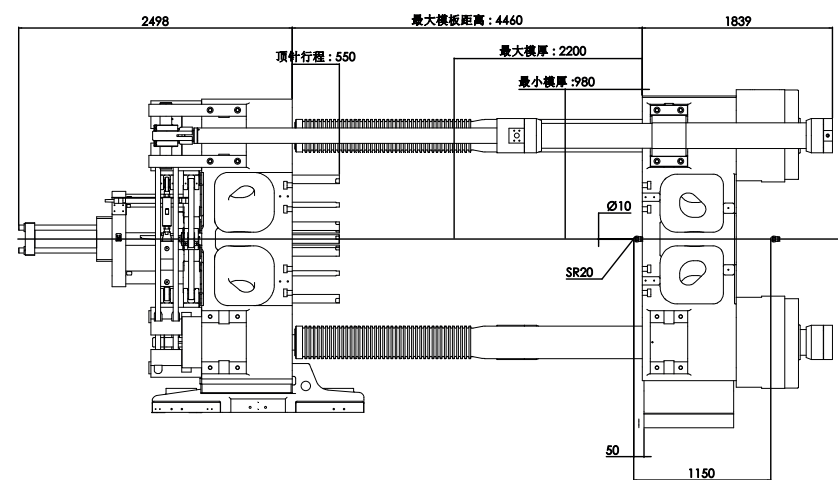
Dimensions of moving platen



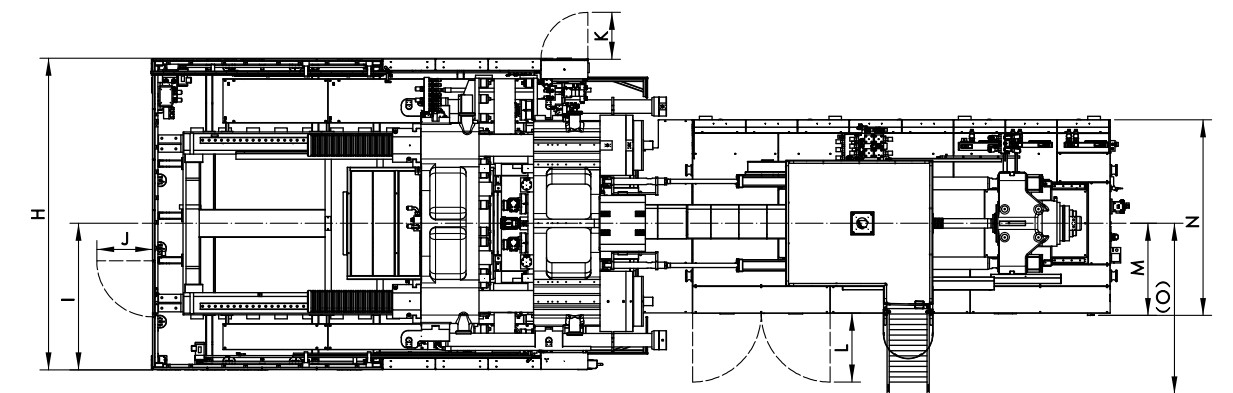
Main view



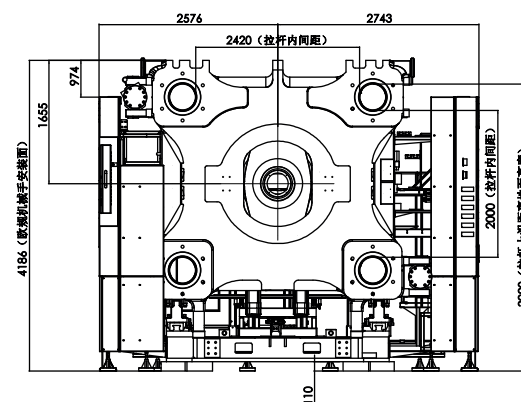
Clamping unit



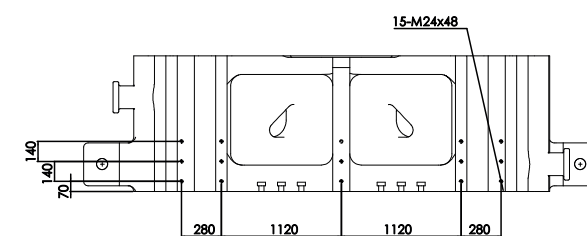
Vertical view



Robot installation dimensions



Robot installation dimensions on stationary platen



BL4000DK	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	3212	2990	10500	20500	110	2531	4985	5319	2576	1180	775	995	1850	3850	2513	4186

Sıkıştırma Ünitesi / Clamping Unit

Clamping Unit	● Standard ◎ Optional					
	520-1100DK		1400-3000DK		3500-6800DK	
	Standard	Optional	Standard	Optional	Standard	Optional
T-slot platen (including T-slot+Screw holes)	●		●		●	
Linear guide for movable platen slide shoes	●		●			◎
Anti-sway support + high-rigidity steel belt for movable platen slide shoes					●	
Hydraulic and electrical dual safety protection device	●		●		●	
Automatic mold height calibration	●		●		●	
Clamp force adjust automatically as need	●		●		●	
Euromap U18 robot fixing	●		●		●	
High-precision+Low-pressure mold protection	●		●		●	
Safety footboard in clamp area	●		●		●	
Auto-door with safety edge switch and mold close confirm button	●		●		●	
High-precision electric sensor controlling for clamping and ejecting movement	●		●		●	
A variety of optional ejection patterns, pressure, speed setting respectely	●		●		●	
Synchronously ejecting/coreopulling function	●		●		●	
Pull back the central ejecting rod to reset forcibly	●		●		●	
Two groups of water flow meter (one in stationary platen and one in moving platen, Below 950DK is 4 in/4 out, above 950DK is 6 in/6out)	●		●		●	
Automatic central grease system with terminal pressure detection	●		●		●	
Two core puller as standard (one in stationary platen and one in moving platen), reserve one core puller in moving platen	●		●		●	
Differential hydraulic circuit for mold open	●		●		●	
Mold open proportional valve	●		●		●	
Emergency stop button on operating side and non-operating side both	●		●		●	
Two sets of air blow	●		●		●	
Magnetic Platen		◎		◎		◎
Hydraulic platen fixture		◎		◎		◎
Tie bar puller		◎		◎		◎
Heat insulation plate for mold		◎		◎		◎
Lager mold height		◎		◎		◎
Quick mold change system		◎		◎		◎
Wider movable door		◎		◎		◎
Increase the ejecting force		◎		◎		◎
Increase the ejecting stroke		◎		◎		◎
SPI Standard platen		◎		◎		◎
Special number requirement of core		◎		◎		◎

Enjeksiyon Ünitesi / Injection Unit

Injection Unit	● Standard ◎ Optional					
	520-1100DK		1400-3000DK		3500-6800DK	
	Standard	Optional	Standard	Optional	Standard	Optional
Injection unit with linear guide	●		●		●	
The German design with high performance screw and barrel	●		●		●	
Barrel support	●		●		●	
PID Temperature control	●		●		●	
Closed type guard and nozzle safety guard	●		●		●	
Injection stroke control with high precise transducer	●		●		●	
Nozzle center fine-tuning device	●		●		●	
Tinning heating,time delay setting for screw cold start	●		●		●	
Melt antidribbling device	●		●		●	
Screw rotational speed detection	●		●		●	
Automatic clear material function	●		●		●	
Plasticizing ratio back pressure	●		●		●	
Carriage manual control central lubrucation	●		●		●	
Lengthen nozzle,50mm	●		●		●	
Ceramic heating ring	●		●		●	
Auxiliary equipment injection signal interface	●		●		●	
Temperature control for the feed opening	●		●		●	
Carriage Automatic central lubrucation	●		●		●	
Bearing type movable hopper seat,standard hopper	●			◎		◎
Hydraulic synchronized plasticizing system		◎			◎	
Feeding platform,no standard hopper		◎	●			●
Special screw and barrel (electroplate,fully hardening,bimetal,PC,PMMA,PBT,PA)		◎		◎		◎
Lengthen nozzle,100mm		◎		◎		◎
Spring or hydraulic nozzle		◎		◎		◎
Bigger injection unit with smaller clamping unit		◎		◎		◎
Smaller injection unit with Bigger clamping unit		◎		◎		◎
Infrared heating ring		◎		◎		◎
Barrel air cooling device		◎		◎		◎
Electric plasticizing		◎		◎		◎
Master bathc machine interface signal plasticizing		◎		◎		◎
Micro foaming molding		◎		◎		◎
Upgrade plasticizing motor		◎		◎		◎
Nitrogen injection function		◎		◎		◎

Kontrol Ünitesi & Hidrolik Ünitesi

Control Unit & Hydraulic Unit

● Standard ◎ Optional

Control Unit & Hydraulic Unit	520-1100DK		1400-3000DK		3500-6800DK	
	Standard	Optional	Standard	Optional	Standard	Optional
Computer KEBA (12"Touch screen)	●		●		●	
Multiple opearing language	●		●		●	
Three color alarm lamp	●		●		●	
Real-time mold closing force momitoring	●		●		●	
USB interface for easy program update and data backu	●		●		●	
Power off memory function	●		●		●	
Abnonmal alarm and modified record	●		●		●	
Multi level password protection,password change according to the different authorization levels to prevent process data change mistake	●		●		●	
Input and out detect and I/O online simulation	●		●		●	
Quality data process control interface	●		●		●	
Statistical process contorl(spc)realtime monitoring and recording	●		●		●	
Cable socket:5 pin 32Ax2,5 pin 16Ax1,3 pin x2	●		●		●	
Industry 4.0	●		●		●	
Servo energy saving system	●		●		●	
Oil temperature deviation automatic alarm	●		●		●	
Motor owerload protection	●		●		●	
Euomap67 manipulator interface	●		●		●	
Independent cooling filtration system	●		●		●	
Computer KEBA (15")		◎		◎		◎
Process data protection lock		◎		◎		◎
Hot runner interface		◎		◎		◎
Special requirements for cable socket		◎		◎		◎
Contrate intent control and online control system		◎		◎		◎
Real-time energy consumption momitoring		◎		◎		◎
The computer has built-in operation instruction to view the funct		◎		◎		◎
Multiple sets of sequential injection function		◎		◎		◎
Upgrade servo pump system		◎		◎		◎

Mengene – Enjeksiyon Ünitesi Kombinasyonları

Combination of Clamp Unit And Injection Unit

Enjeksiyon Ünitesi / Injection Unit	Z2950	Z3700	Z4800	Z5900	Z7900	Z13400
Mengene Ünitesi / Clamp Unit	65/70/80	70/80/85	75/85/90	80/90/100	90/100/110	110/120/130
Kapama Kuvveti Clamping Force	Kolon Arası Mesafe Space Between Tie Bar					
5200	860 × 810	●	◎	◎		
6200	960 × 860	◎	●	◎		
7500	1060 × 920		◎	●	◎	
9500	1160 × 1020		◎	●	◎	◎
11000	1260 × 1120			◎	●	◎
14000	1420 × 1320				◎	●
17000	1620 × 1460					◎
20000	1720 × 1560					◎
23000	1820 × 1620					◎
27000	1920 × 1720					
30000	2020 × 1820					
35000	2220 × 1920					
40000	2420 × 2020					
50000	2800 × 2400					
68000	3200 × 2600					

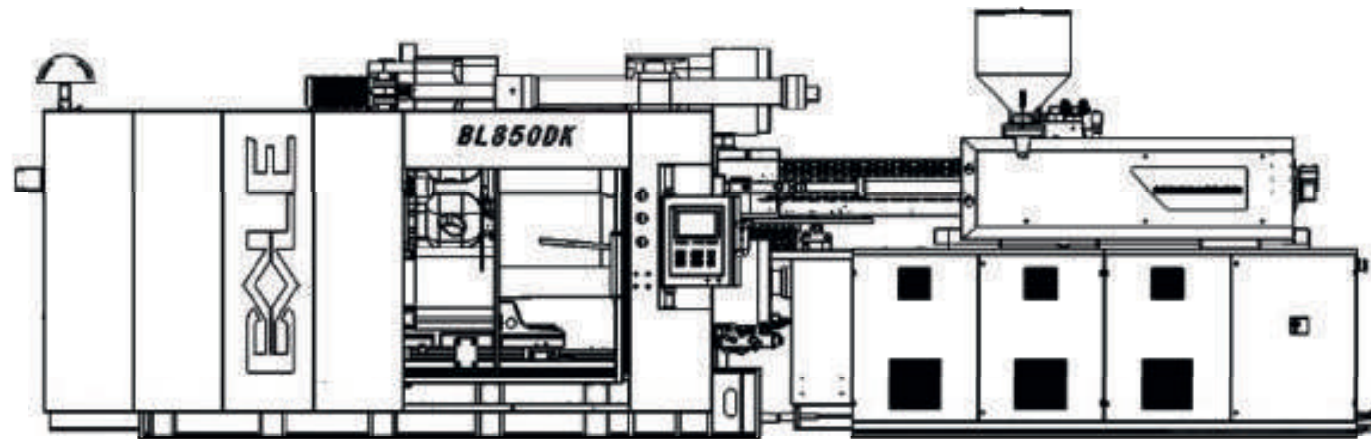
Enjeksiyon Ünitesi / Injection Unit	Z19300	Z25800	Z27300*	Z36800	Z58100	Z79800	Z119000
Mengene Ünitesi / Clamp Unit	120/135/145	140/150/160	170	160/170/185	185/200/220	200/220/240	220/240/260
Kapama Kuvveti Clamping Force	Kolon Arası Mesafe Space Between Tie Bar						
5200	860 × 810						
6200	960 × 860						
7500	1060 × 920						
9500	1160 × 1020						
11000	1260 × 1120	◎					
14000	1420 × 1320	◎	◎				
17000	1620 × 1460	●	◎	◎			
20000	1720 × 1560	●	◎	◎			
23000	1820 × 1620	◎	●	◎			
27000	1920 × 1720	◎	◎	●	◎		
30000	2020 × 1820	◎	◎	●	◎		
35000	2220 × 1920		◎	◎	●	◎	◎
40000	2420 × 2020		◎	◎	◎	●	◎
50000	2800 × 2400				◎	●	◎
68000	3200 × 2600				◎	◎	●

Remark : ● Standard ◎ Optional

Diğer Bölümler / Other parts

● Standard ◎ Optional

Other parts	520-1100DK		1400-3000DK		3500-6800DK	
	Standard	Optional	Standard	Optional	Standard	Optional
BOLE standard color	●		●		●	
Machine leveling pad	●		●		●	
L-shaped fixed block	●		●		●	
Tool Box	●		●		●	
Magnetic stand	●		●		●	
Special color		◎		◎		◎
Robot		◎		◎		◎
Dry hopper		◎		◎		◎
Auto-feeding machine		◎		◎		◎
Fumigated wood box		◎		◎		◎
Plate for pick-up the products		◎		◎		◎
Hudraulic oil		◎		◎		◎
Multiple language for alarm lable		◎		◎		◎
Anchor bolt		◎		◎		◎



Alman kalitesini sağlamak için bağımsız olarak çalışır ve Avrupa performansını mükemmel şekilde sunar.

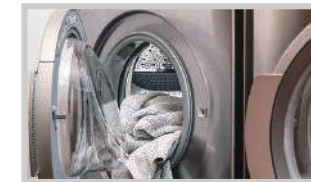
100'den fazla test, 20'den fazla patent, hız, hassas ve kararlı çalışma. Avrupa ürünleri ile karşılaştırıldığında otomobil endüstrisi için ilk tercih olacak.

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

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



Otomobil endüstrisi
Automobile industry



Beyaz eşya endüstrisi
Household electrical
appliance industry



Derinliği yüksek ürünler
Deep cavity product



Palet vb lojistik ürünleri
Logistics building material

MM Serisi / MM Series

Yatay-Döner Tablalı Enjeksiyon Kalıplama Makinesi Horizontal-Rotary Table Multi-Color Machine

Teknoloji ve üretimin mükemmel entegrasyonu
Perfect integration of technology and production

● Yatay Döner Tablalı Çok Komponentli/Renkli Makine Horizontal-Rotary Table Multi-Color Machine

Yatay döner tabla, dikey döner tabla dönüşünün atalet sorununu ve yer çekimi etkisini ortadan kaldıran çift renkli üretim için kullanılır. Yüksek taşıma kapasitesiyle orta ve büyük boy çift renkli ürünler için uygundur.

The horizontal rotary table is used for two-color production, which can avoid the inertia problem of vertical rotary table rotation and the influence of gravity. With high bearing capacity, it is suitable for medium and large two-color products.

● Birden Fazla Amaca Hizmet Eden Tek Makine One Machine Serves Multiple Purposes

Tek renkli ürünlerin üretiminde de kullanılabilir ve üretim kapasitesi iki katına çıkar. Geniş mengene ölçüleri sayesinde tek bir makine birden fazla amaç için kullanılabilir.

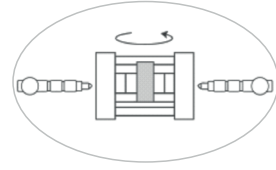
It can be applied to the production of monochrome products, with the production capacity increased by twice.

The mold has a wider scope of application, and one machine can be used for multiple purposes.

● İki Plakalı Mengene Yapısı Two Platen Structure

Mengene ünitesi çift plakalı yapıya sahiptir ve iki set enjeksiyon ünitesi yatay ve eş eksenli olarak tasarlanmıştır. Stack Mold teknolojisi sayesinde makine, ihtiyaç duyulan üretim alanından tasarruf sağlar ve büyük boy çift renkli üretim gereksinimlerini karşılar.

The clamping unit adopts two-platen structure, two set reversed injection units are designed horizontally and coaxially. With stack mold technology, the machine save workshop space and meet the large-size two-color mold production requirement.



MK Serisi / MK Series

Multi Komponent Enjeksiyon Makinesi Multiple Injection Moulding Machine

● Döner Plaka Rotary Platen

Geniş plaka tasarımı sayesinde büyük hacimli kalıplara uygundur ve geniş bir uygulama yelpazesine sahiptir. Aynı zamanda çeşitlendirilebilir işlevlere sahip olması sayesinde özel üretim taleplerine cevap verebilir.

With wide plate design, the mould volume is big and has a wide range of applications. Meanwhile, it also has variety of functions and can meet customers' specific needs.

● Servo Döner Tabla Sisteminin Sağladığı Standartlar Standard With Servo Turntable System

Döner Tabla hızlı, stabil ve hassas hareket eder; Kullanımı kolaydır. Yağ basıncı ve yağ sıcaklığı stabildir. Turntable is fast, stable and precise in movement; Easy to operate. Stable in oil pressure and oil temperature.

● Sökülebilir Kolon Mili Tie-Bar Detach

Kolon milleri ve mengene plakaları birbirine temas etmediği için yağlama ihtiyacı olmaz, mengene ünitesi temiz kalır. 70-450 ton arası makinelerde bakır burç aşınması olmaz.

Without lubrication on the connection between tie bars and platens, so clamping unit keeps clear. No copper bush to be wear out for machines from 1 70-450Ton

● Lineer Kızak Linear Guide

170-450 Ton arası MK serisi, tümünde lineer kızak kullanır. Yüksek hassasiyetli ve yüksek rijidite sahip lineer kızak, Düşük sürtünmeli ve düşük enerji tüketimli lineer kızak, kalıp açılıp kapanmasını daha hızlı ve daha stabil hale getirir. MK series from 1 70-450Tn, all adopt linear guide. High-precision and high-rigidity linear guide, Linear guide with low friction and little energy consumption, makes mould opening and closing faster and more stable.

● Tek Enjeksiyon Ünitesinde İki Bağımsız Enjeksiyon Silindiri Two Sets Of Independent Injection Cylinder at Injection Unit

Enjeksiyon Ünitesinde müşterilerin ihtiyaçlarına göre eşleştirilebilen iki bağımsız enjeksiyon silindiri bulunmaktadır. Two sets of independent injection cylinders at Injection Unit, which can be matched according to customers' requirements.

● Tek silindirli enjeksiyon ünitesi tasarımı Single Injection Cylinder Structure

Bu özel tasarım sayesinde enjeksiyon pistonu vida ile birlikte dönmeyecek ve yağ sızıntısı riski ortadan kalkacaktır. Based on this special structure, the injection piston won't rotate together with screw to avoid the risk of oil leakage.

● Alman Tasarımı Mal Alma Sistemi German Designed Plasticizing System

Alman tasarımı mal alma sistemi, ABS, PS, PP gibi yaygın malzemelere dayalı olup, plastikleştirme standart seviyeden en az %20 daha verimlidir.

German designed plasticizing system, based on common materials, e.g. ABS, PS, PP, the plasticizing efficiency is at least 20% better than that of domestic level.

● Yüksek Sağlamlıkta Şase High Rigidity Frame

MK'nin tüm modellerinde en yüksek performansı elde etmek için lineer kızak, modüler tasarım ve yüksek rijidite sahip makine şasesi kullanılır.

All modes of MK adopt high-rigidity machine frame, linear guide and modular design to achieve better performance.

● Keskin Hassasiyet / Precise

Mengene pozisyon hassasiyeti: ±0.5 mm
Enjeksiyon gramajı hassasiyeti: % 0,3
Mould open & close positioning accuracy: ±0.5mm
Injection weight accuracy: 3‰

● Enerji Tasarrufu / Energy Saving

Hidrolik servo sistemi, çevreci oluşunun yanında enerji tasarrufu ve yüksek kontrol hassasiyeti gibi avantajlara sahiptir. Hydraulic servo system has advantages of saving energy, protecting environment and high control accuracy

● Ekonomi / Economy

Örneğin; BOLE'nin merkezden kilitleme makas mekanizması tasarımının müşteri kalıplarının %80'i için %2-5 oranında malzeme tasarrufu sağlayabildiği görüldü. After sample survey, BOLE central clamping toggle design can save 2-5% material for 80% of customers mould (comparing to customer's moulds clamping toggle design).



45 .DK

CIML Serisi / CIML Series

Hafifletme Uygulamaları İçin Özel Olarak Tasarlandı Designed Specially For Lightweight Application Requirements

Elyaf Takviyeli Kompozit Konusunda Tek Noktadan Çözüm Ortağı Olmaya Kararlıyız

● Hafifletme Light Weight

Tüm endüstrilerde hafifletme sürecini hızlandırın, nitelikli ürün oranınızı arttırın, ürün ağırlığının %65 oranına kadar azaltılmasında kontrol sahibi olun.

Accelerate the lightweight process of the whole industry, ensure the qualified rate of products, can control the products weight be reduced by 65%.

● Yüksek Mukavemet High Strength

Geleneksel yöntemlerle üretilen ürünlerin çok ötesinde performansa sahiptir. Products performance far beyond the ones made by traditional process.

● Ham Maddenizi Siz Konfigüre Edin Configuration is Programable

Ürün/fiber konfigürasyonunu esnek bir şekilde belirleyin, ihtiyacınıza göre tasarlayın.

Allocate the product / fiber configuration flexibly, can be designed according to your requirement.

● Çevre Dostu Environment Protection

Yatırım maliyeti göz önüne alındığında ürünlerin geri dönüştürülmesi ve yeniden kazanımı mümkündür.

Considering of the investment cost ,products can be recycled.

● Proses Teknolojisi Process Technology

Çeşitlilik; kompresyon kalıplama, enjeksiyon kalıplama ve sıcak pres seçilebilir. Is diverse ,compression moulding, injection moulding and hot press are selectable.

Committed To Growing into a One-Stop Solution Provider In The Field Of Fiber Reinforced Composite Holding

● Kısa Üretim Süresi Short Production

Süre, yorucu üretim sürecini azaltır, üretim verimliliğini artırır.

Period reduce tedious production process, raise the production efficiency.

● Yüksek Hassasiyet High Accuracy

Yüksek hassasiyetli ürünlere de uygulanabilir, tekrarlanabilirlik oranı ±%0,05'tir.

it also be applicable to high accuracy products, repeatability accuracy ±0.05%.

Esnek Ve Çok Çeşitliliğe Sahip Prosesler A Variety Of Processes, With Flexible and Diversity

STF Enjeksiyon kalıplama

LFT-G Enjeksiyon kalıplama

LFT-D-IM Enjeksiyon kalıplama

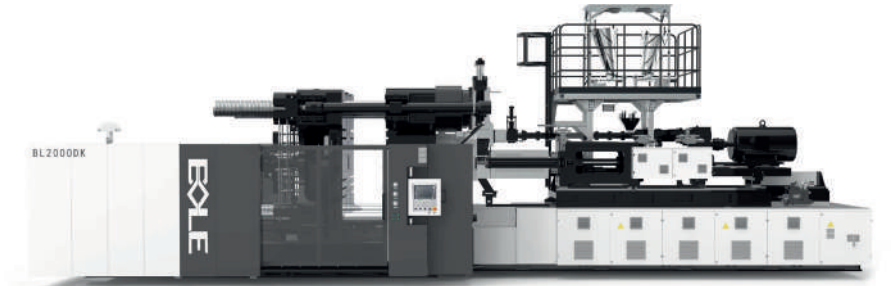
Enjeksiyon ve ısıtma pres kalıplama (IHM ve OIHM)

STF Injection moulding

LFT-G Injection moulding

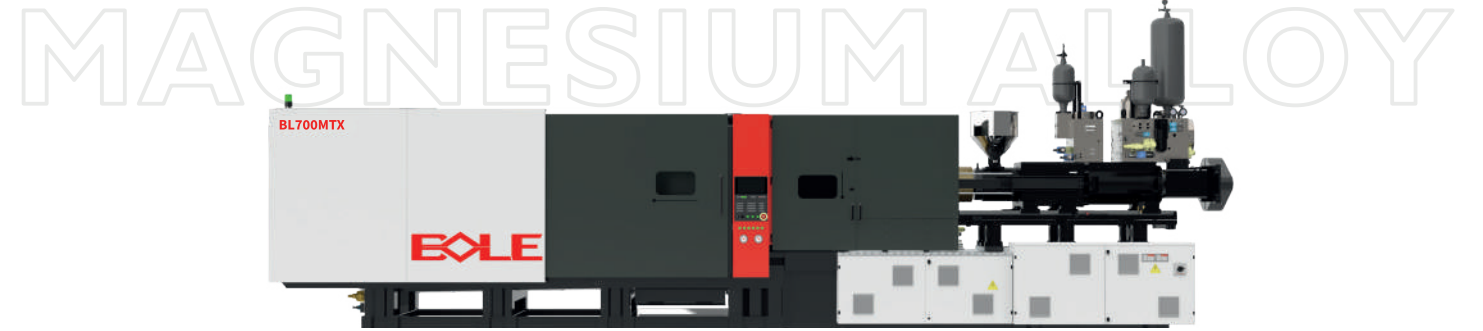
Long Fiber Thermoplastic – Direct injection moulding(LFT-D-IM)

Injection and heating pressing moulding(IHM&OIHM)



MTX Serisi / MTX Series

Yarı Katı Magnezyum Alaşım Enjeksiyon Makinesi High Energy Semi-solid Magnesium Alloy Injection Moulding Machine



BOLE teknolojisi metal şekillendirmeyi çok kolay hale getiriyor BOLE technology makes metal forming so convenient

● Güvenli Safe

Soğutma ve kalıplama için doğrudan kalıba enjekte edilir. Enjeksiyon işlemi kontrol edilebilir ve hava ile temas etmez. Patlama, yanma, yaralanma ve diğer kazaları önlemek için gaz korumasına ihtiyaç duymaz; temiz, çevreye duyarlı ve güvenli bir çalışma ortamı sunar. It is directly injected into the mold for cooling and molding. The injection process is dosed and does not contact with the air. It does not need gas protection, so as to prevent explosion, scald, mechanical injury and other accidents; Safety, environmental protection and good working environment.

● Basit Simple

Yarı katı malzemenin hazırlanması, taşınması ve şekillendirilmesi süreçlerini birleştiren tek adımlı bir şekil verme yöntemi olarak; Magnezyum alaşımının oksidasyonunu etkili bir şekilde önler; Mükemmel mikro yapı ve mekanik özellikler sunar. A one-step forming method integrating the preparation, transportation and forming process of semi-solid slurry; Effectively avoid the oxidation of magnesium alloy; Excellent microstructure and properties.

● Güçlü Rigid

Patentli Merkezi Mengene Kilitleme Sistemi, kapama kuvvetinin kalıp üzerine en etkili ve kayıpsız şekilde iletilmesini sağlar. Kayıpsız kilitleme kuvveti iletimi daha yüksek enjeksiyon basıncı direnci, kalıbın korunması, ve üründe çapak oluşumunu etkili bir şekilde önler. Invention patent—central damping toggle, damping force effectively acting on the mold. Higher damping rigidity, protection of the mold, effectively prevent the mold from overflowing

● Kesin Accurate

Anlık enjeksiyon eğrisi ekranı ile; enjeksiyon hızını, yağ giriş basıncını, yağ dönüş basıncını ve hidrolik maça konumunu doğru bir şekilde ve tüm proses parametreleri görüntülenebilir

High speed injection curve display, which can accurately display the injection speed, oil inlet pressure, oil return pressure and valve core position, so that the molding process parameters can be displayed

● Verimli Efficient

Ürün üretim döngüsü hızlıdır ve 24 saat boyunca sürekli olarak çalışabilir. Böylece yüksek ritimli ve zahmetli üretim süreci azaltılmış olur.

The production process is compact, the rhythm is fast, and the cumbersome production process is reduced; The product production cycle is fast, and it can be produced continuously for 24 hours

● Enerji Tasarrufu Energy-Saving

Ergitme fırını veya potası gerekmez, bu da %50-60 enerji tasarrufu sağlar; Geleneksel üretim tekniklerine kıyasla düşük ergime sıcaklığı, kalıbın kullanım ömrünü etkili bir şekilde uzatır; ürün yollukları kısadır, cüfur odacıkları küçüktür, hammadde tasarrufu sağlar ve üretim maliyetini düşürür. Ekipman yerleşimi kompakttır; bu da fabrika çalışma alanından %30'a kadar tasarruf sağlar. No melting furnace is required, saving 50-60% of energy; Low mold entry temperature, effectively prolonging the service life of the mold; The material handle is short, the slag bag is small, the raw material is saved, and the production cost is saved. The equipment layout is compact, which can save 30% of the workshop.

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



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