

DK Serisi / *DK Series*

Çift Plaka Plastik Enjeksiyon Makinesi
Two Platen Injection Moulding Machine



Injection Moulding Machine



FAVORI
GRUP



Çin’de üretilen çift plaka enjeksiyon makinelerindeki sıkıntılı noktalar

Two Platen Injection Moulding Machine Technical Pain Points in China

Kalıp Açma/Kapamadaki Yavaşlık Mold Open & Close Not Smoothly

Kontrol grubu geliştirmesindeki sınırlı bilgi birikim, üreticilerin çoğunu kalıbın ve makinenin sallanmasını önlemek için kalıp açma/kapama hızını düşürmeye iter.

Limitation of controller program development, most of the manufacturers have to slow down the speed of mold open and close to avoid the mold and machine shaking.

Kolon Millerinin Kolay Kırılması Tie Bar Easily to Break

Kolon mili kırıldığı takdirde kullanılmak üzere, makine ile birlikte yedek parça olarak kolon mili gönderimi normal bir durumdur, bu da; üreticiler ne kadar çaba harcasalar da üst düzey müşterilerin Çin üretimi makineden uzak durmalarına sebep olur

It's the normal case that one tie bar goes along with the machine as a spare part in case of tie bar break, which cause many high-end customers not willing to use China Made two platen machine even though the manufacturers try hard to improve

Kilitlemenin Kararlı Olmaması Luck Not Unsteady

Kitleme somunlarının arızalanması nedeniyle üretim çoğu zaman durur.

Production and operation is often stopped by lock nut failure

**Bole çift plaka enjeksiyon makinelerinde bu sorunların hiç birini yaşamazsınız.
Bole two platen injection moulding machine can solve these problems effectively**



DK Serisi / DK Series

Çift Plaka Plastik Enjeksiyon Makinesi Two Platen Injection Moulding Machine

Hızlı ve sağlam kilitleme sistemi
Makinenin ömrünü uzatır
*Fast and stable locking system
Extending the life cycle of the equipment*

Senkronize itici
(maça) hareketleri
*Synchronized ejection
(core) movement*

Kırılmaya karşı
dayanıklı kolon mili
*Break-resisting
tie bar*

Aralıkları sabit kilitleme somunları
Her dişe eşit binen yük sayesinde
daha uzun kilitleme somunu ömrü.

*Variable pitch screw holding nut
Equal stress on each teeth,
longer life time for locking nuts*

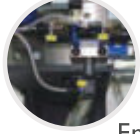
Lineer kızak ile hassas kilitleme
Hareketli plakanın pozisyon doğruluğu
sağlanır. Daha hızlı açma ve
kapama elde edilir.

*Linear guide in clamping unit
To ensure the positioning accuracy of
the moving platen. Faster opening
and closing speed can be obtained*



**Alman dizaynı
ergitme sistemi**
Ergitme verimliliği
Uzak Doğulu makinelere
oranla %20 daha fazladır.

**German design
plasticizing system**
The plasticising efficiency far
exceeds the domestic level
by more than 20%



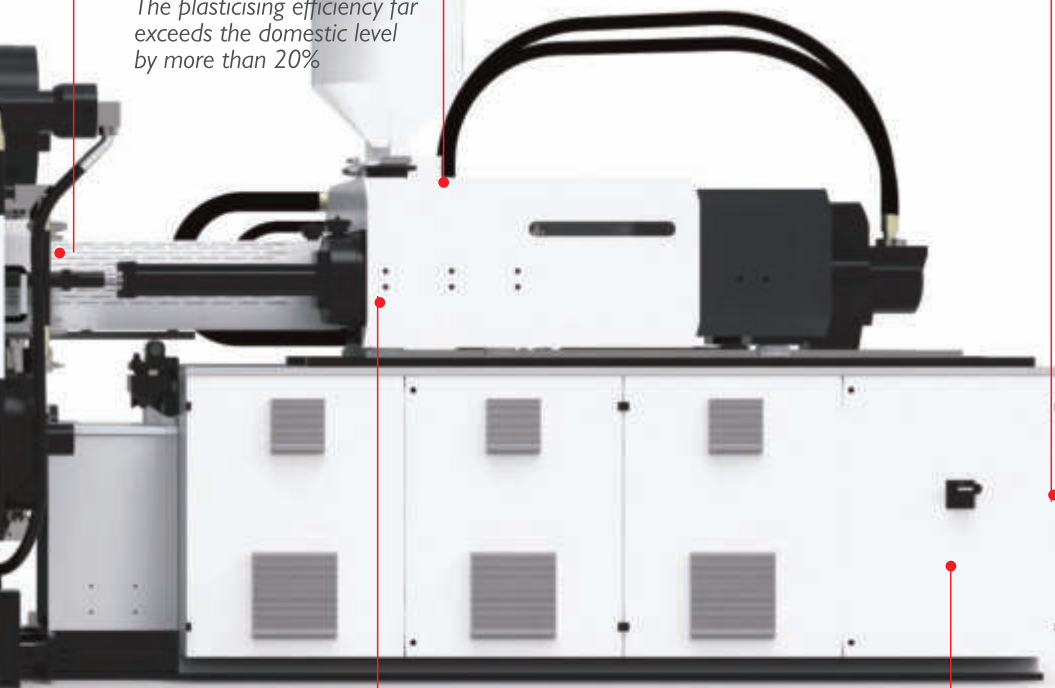
Enjeksiyon basınç sensörü
Tahmin edeceğiniz gibi üretim
sürecini ayarlayabilirsiniz

The injection pressure sensor
As you imagine, customer can
adjust the produce process



**Bağımsız yağ filtresi ve
soğutma sistemi**
Makinenin hidrolik ünitesindeki
yağ sıcaklığı sabit kalır.

**Indipendent oil filter and
cooling system**
The oil temperature in
the hydraulic circuit of
the machine is very stable



Besleme boğazı sıcaklık kontrolü
Enjeksiyon ünitesinin verimliliğini
ve doğruluğunu artırır.

Stable feeding zone temperature
To improve the efficiency and accuracy
of the entire injection unit

**Dikey yerleştirilmiş
pompa ve motorlar**

**Vertical placed
motors + pumps**



DK Serisi çift plaka plastik enjeksiyon makinelerinin 11 fark yaratan özelliği

DK Series two platen injection moulding machine eleven 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.

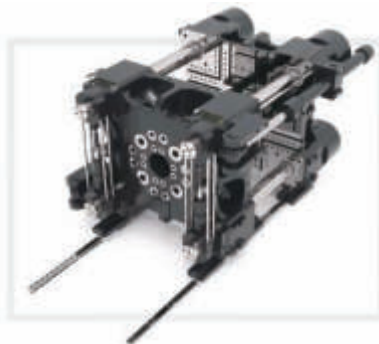
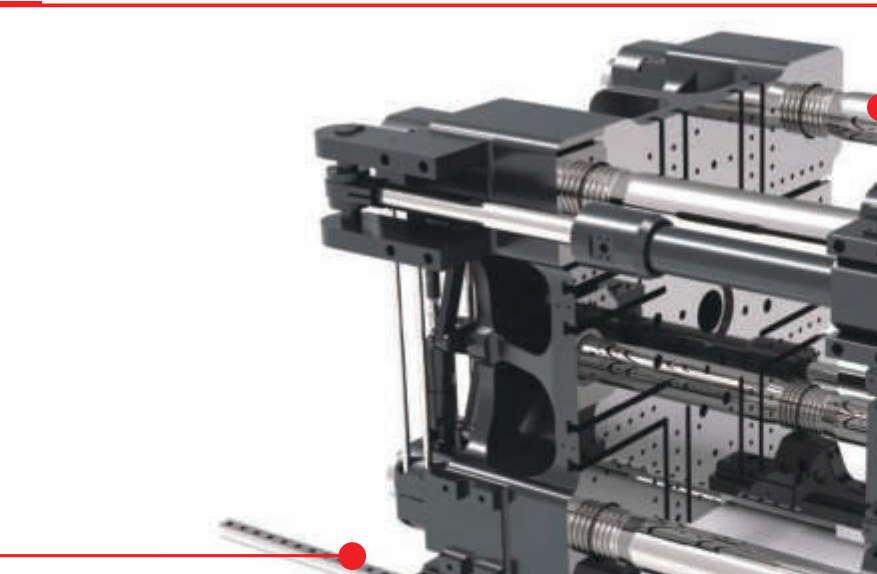
Less stress for weak point tie bar, there is almost no risk of fracture. High overload and bending resisted tie bar

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



[illegible]



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 Dikey konumlandırılmış motor ve pompalar Vertical placed motors & pumps

Motor dikey olarak yerleştirilmiştir ve bu sayede kapladığı alan azaltılmıştır. Aynı zamanda rotorda yerçekimi kaynaklı eksantrik yük etkisi azalır ve motor daha kararlı çalışır.

The motor is placed vertically, reducing the footprint. At the same time, the influence of the eccentric load caused by the gravity of the rotor of the motor is reduced, and the motor is more stable.

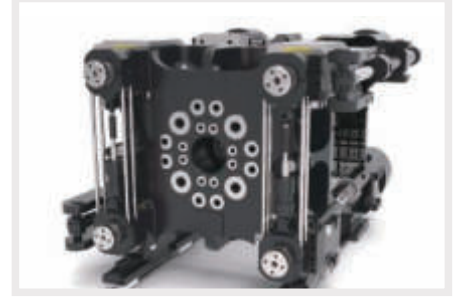


DK Serisi Çift Plaka Plastik Enjeksiyon Makineleri, Alman Mühendisliği ile geliştirildi, Çin Çift Plaka Enjeksiyon Makine pazarı yeniden şekillendirildi.
DK series two-platen injection moulding machine, developed by the German chief engineer, reshapes the Chinese two-platen injection machine market.

05 Hızlı, sağlam ve darbe önleyici 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.



06 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.

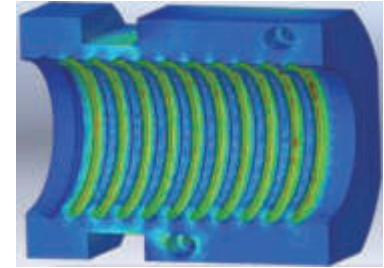
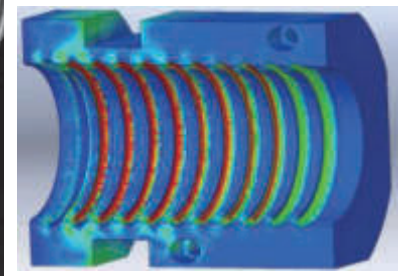
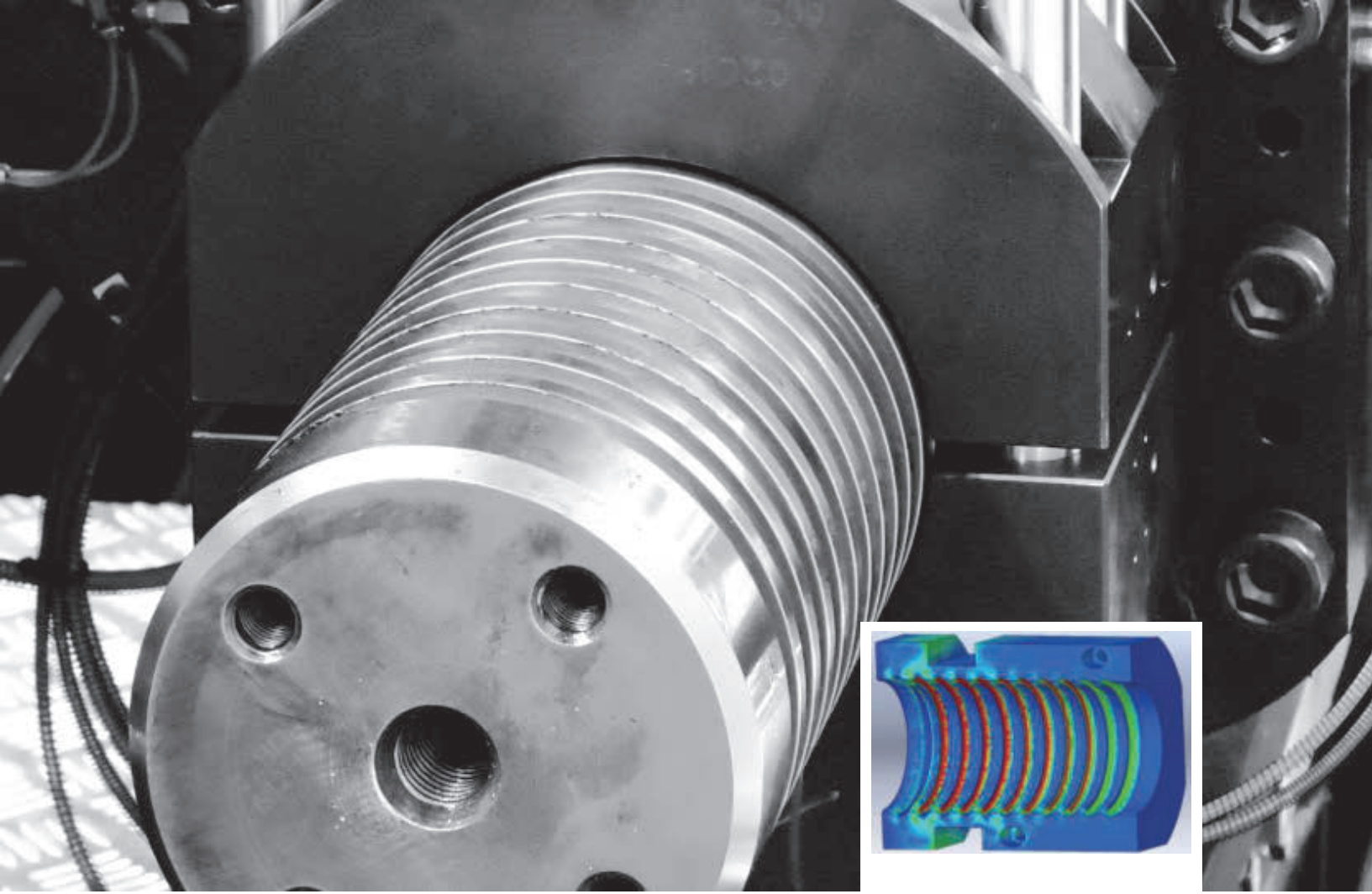


07 Özel enjeksiyon pistonu dizaynı
Special injection cylinder design

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.





08 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.

09 Bağımsız yağ sistemi ve soğutma 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.



10 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.



11 Enjeksiyon basınç sensörü Injection presssure sensor

Enjeksiyon basınç değeri her zaman kontrol grubuna yansır ve enjeksiyon grafiği ürün prosesini daha rahat ayarlamanızı 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			BL850DK-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			1060×920			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	600			800			900			1000		
Ma. Kalıp Ağırlığı Maximum Mould Weight	kg	6500			8000			9500			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			8.35×2.93×2.95			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		
1630×1550			1985×1725			1825×1685			1985×1725			1985×1725		
1160×1020			1440×1180			1260×1120			1420×1160			1420×1160		
1600/950			2270/1550			1870/1150			2270/1500			2270/1500		
450			580			480			580			580		
1100			1300			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		
1000			1100			1100			1100			1100		
12000			15000			15000			15000			15000		
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		

Firma, önceden haber vermeden ürünün teknik özelliklerini değiştirme hakkını saklı tutar.
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Teknik Özellikler / Technical Data

AÇIKLAMA / DESCRIPTION		BL1400DK			BL1500DK-W			BL1700DK		
Uluslararası Standartlar International Specification		BL1400DK/ Z13400			BL1500DK/ Z13400			BL1700DK/ 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			1735		
	kN	14000			15000			17000		
Plaka Ölçüsü Size of Mold Platen (HxV)	mm × mm	2090×1990			2190×1890			2260×2100		
Kolonlar Arası Mesafe Space Between Tie Bar	mm × mm	1420×1320			1520×1220			1620×1460		
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	21000			21000			35000		
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			13.23×4.05×4.11		

Firma, önceden haber vermeden ürünün teknik özelliklerini değiştirme hakkını saklı tutar.
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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		
2500×2060			2480×2320			2500×2060			2560×2360			2760×2360		
1860×1420			1720×1560			1850×1410			1820×1620			2020×1620		
2570/1700			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		
35000			42000			42000			50000			50000		
82			90			83			120			123		
13.25×4.26×4.11			13. 41×4. 34×4. 20			13.25×4.26×4.11			14.57×4.27×4.20			14.57×4.46×4.20		

Firma, önceden haber vermeden ürünün teknik özelliklerini değiştirme hakkını saklı tutar.
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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			2850×2500		
Kolonlar Arası Mesafe Space Between Tie Bar	mm × mm	1920×1720			2170×1720			2150×1700		
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	68000			68000			72000		
Makine Ağırlığı Machine Weight	ton	135			143			146		
Makine Ölçüleri (BxExY) Machine Dimensions (LxWxH)	m × m × m	15.98×4.45×4.41			16.15×4.77×4.41			16.35×4.77×4.41		

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.

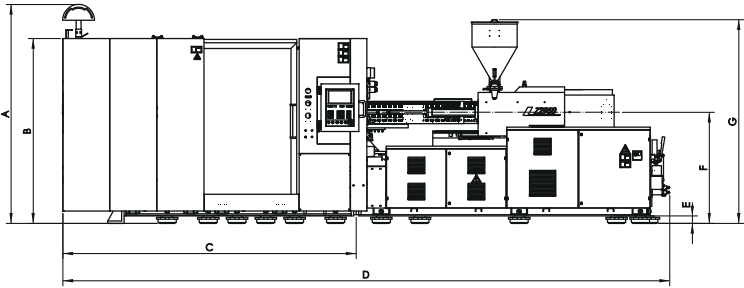
BL3000DK			BL3500DK			BL4000DK			BL5000DK			BL6800DK		
BL3000DK/Z36800			BL3500DK/Z58100			BL4000DK/Z79800			BL5000DK/Z79800			BL6800DK/Z119000		
Z36800			Z58100			Z79800			Z79800			Z119000		
160	170	185	185	200	220	200	220	240	200	220	240	220	240	260
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
18598	20996	24864	28224	32987	39914	38013	45996	54739	38013	45996	54739	57780	68763	80701
17110	19316	22875	25966	30348	36720	34972	42316	50360	34972	42316	50360	53157	63262	74245
603	681	807	916	1070	1295	1233	1492	1776	1233	1492	1776	1875	2231	2619
85			66			55			55			50		
1855	2094	2480	1775	2074	2510	1750	2117	2520	1750	2117	2520	2138	2545	2987
1707	1927	2282	1633	1908	2309	1610	1948	2318	1610	1948	2318	1968	2342	2748
198	175	148	206	176	146	210	174	146	210	174	146	208	174	148
69			60			54			54			50		
3061			3571			4082			5102			6939		
30000			35000			40000			50000			68000		
2850×2650			3120×2820			3340×2890			3570×3020			4150×3450		
2020×1820			2220×1920			2420×1920			2550×2000			3000×2300		
3020/2000			3180/2160			3480/2360			3680/2460			4200/2900		
880			980			980			1080			1200		
1900			2000			2100			2300			2500		
3900			4160			4460			4760			5400		
500			550			550			550			1000		
465			465			619			619			891		
310			310			420			420			616		
29			33			33			33			33		
128	158	173	173	216	236	216	236	263	216	236	263	236	263	290
50+50+50+50+50			50+50+50+50+50			50+50+50+50+50			50+50+50+50+50			50+50+50+50+50+42		
17. 5			17. 5			17. 5			17. 5			17. 5		
2100			2100			2100			2100			2600		
72000			80000			100000			100000			180000		
155			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.

Plaka Kesit Ölçüleri & Makine Ölçüleri

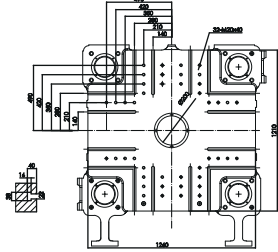
Platen Dimensions & Machine Dimensions

main view

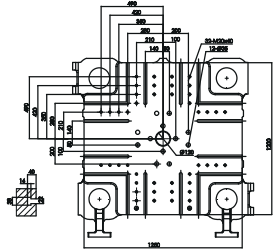


BL520DK	A	B	C	D	E	F	G
	2675	2260	3571	7388	100	1362	2489

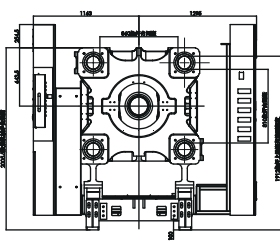
Dimensions of stationary platen



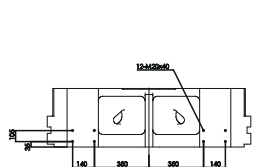
Dimensions of moving platen



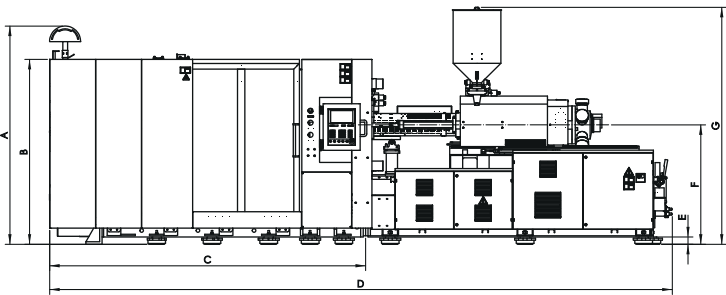
Robot installation dimensions



Robot installation dimensions on stationary platen

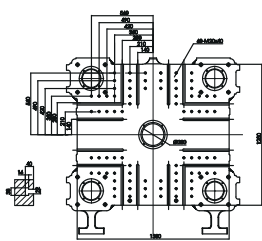


main view

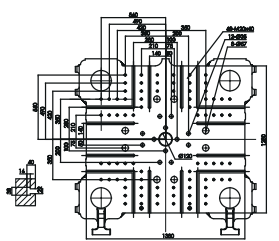


BL650DK	A	B	C	D	E	F	G
	2715	2300	3931	7748	100	1485	2957

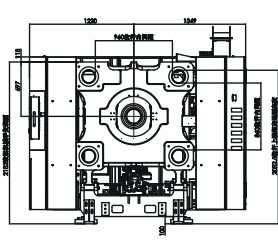
Dimensions of stationary platen



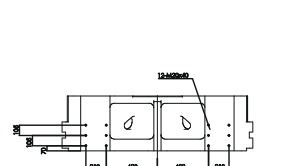
Dimensions of moving platen



Robot installation dimensions



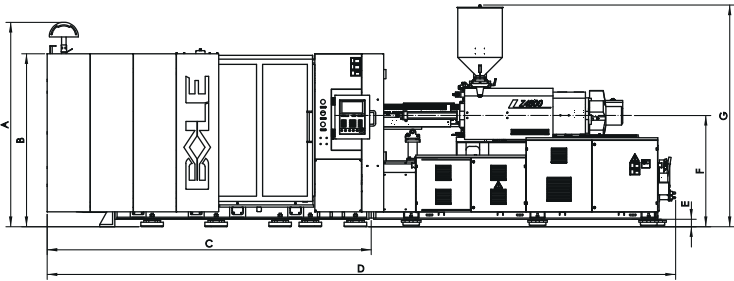
Robot installation dimensions on stationary platen



Plaka Kesit Ölçüleri & Makine Ölçüleri

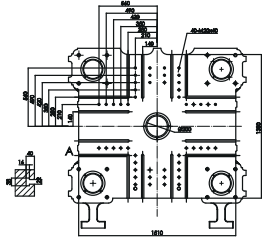
Platen Dimensions & Machine Dimensions

main view

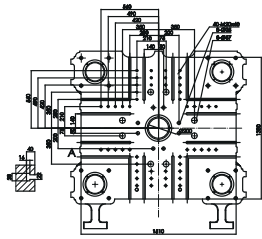


BL800DK	A	B	C	D	E	F	G
	2714	2297	4304	8345	100	1477.5	2943

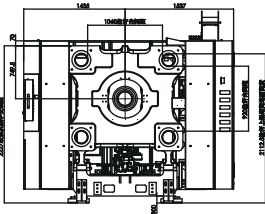
Dimensions of stationary platen



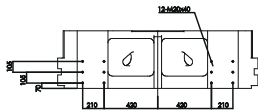
Dimensions of moving platen



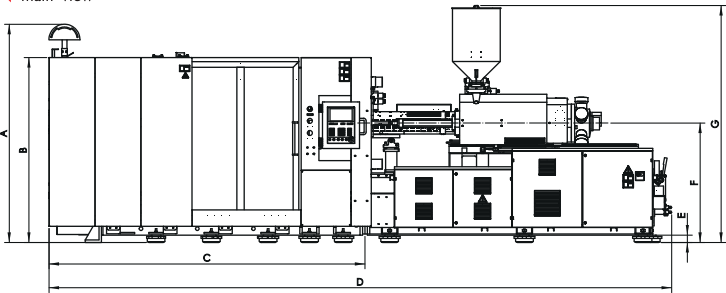
Robot installation dimensions



Robot installation dimensions on stationary platen

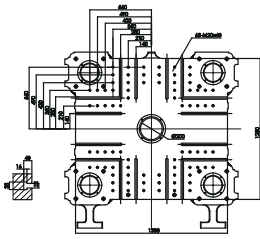


main view

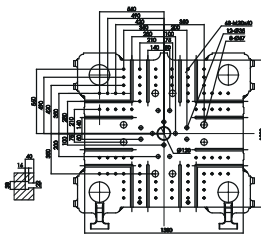


BL650DK	A	B	C	D	E	F	G
	2715	2300	3931	7748	100	1485	2957

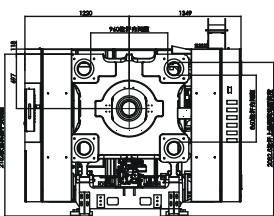
Dimensions of stationary platen



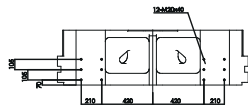
Dimensions of moving platen



Robot installation dimensions



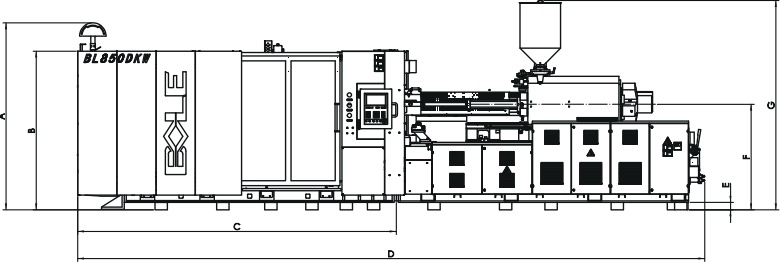
Robot installation dimensions on stationary platen



Plaka Kesit Ölçüleri & Makine Ölçüleri

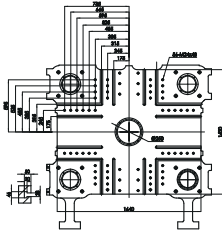
Platen Dimensions & Machine Dimensions

main view

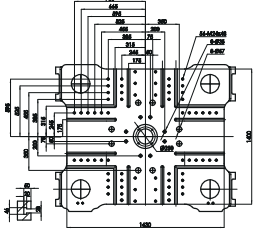


BL850DK-W	A	B	C	D	E	F	G
	2728	2316	4649	9151	110	1541	3054

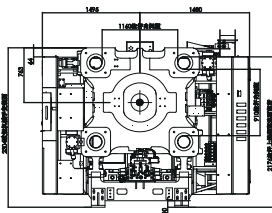
Dimensions of stationary platen



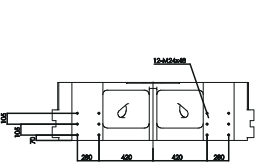
Dimensions of moving platen



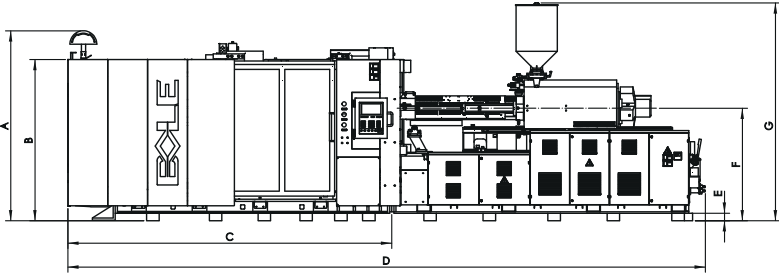
Robot installation dimensions



Robot installation dimensions on stationary platen

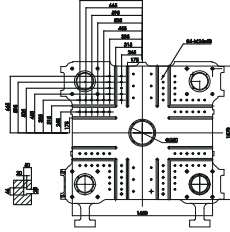


main view

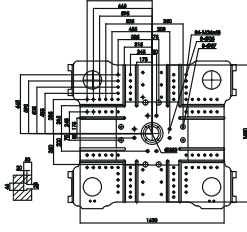


BL1000DK	A	B	C	D	E	F	G
	2728	2316	4649	9151	110	1616	3129

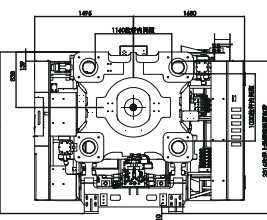
Dimensions of stationary platen



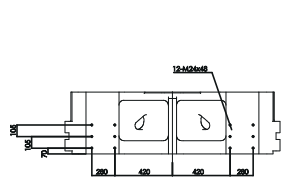
Dimensions of moving platen



Robot installation dimensions



Robot installation dimensions on stationary platen



Plaka Kesit Ölçüleri & Makine Ölçüleri

Platen Dimensions & Machine Dimensions

Technical drawing of the BL 12000 KVM machine showing dimensions A, B, C, D, E, F, and G. The drawing includes a side view of the machine with a hopper on top and a control panel on the right. The dimensions are indicated by arrows and labels: A is the total height, B is the height of the main body, C is the width of the main body, D is the total width, E is the height of the base, F is the height of the control panel, and G is the height of the hopper.

BL1050DK-W	A	B	C	D	E	F	G
	2743	2327	5865	10777	110	1668	3195

[illegible][illegible][illegible]

Technical drawing of the S 1000 machine showing dimensions A, B, C, D, E, F, and G.

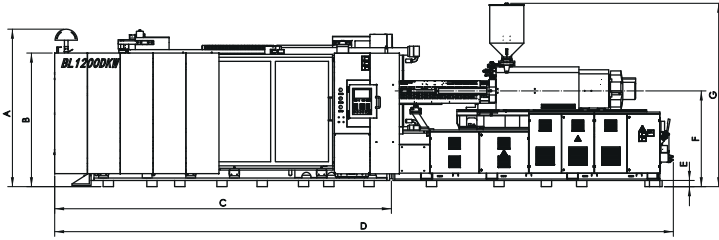
BL1100DK	A	B	C	D	E	F	G
	2744	2327	5265	10177	110	1640	3167

Technical drawing of a mechanical part, likely a bracket or support. The drawing shows a side view with dimensions in millimeters (mm). The overall width is 280 mm, divided into four sections: 280 mm, 540 mm, 540 mm, and 280 mm. The height is 150 mm. A callout indicates a 12-M2.5x16 screw is used for assembly. The part has a complex shape with a central cutout and a flange on the right side.

Plaka Kesit Ölçüleri & Makine Ölçüleri

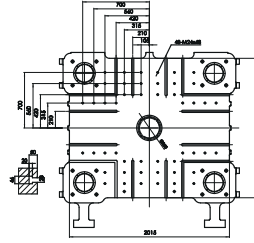
Platen Dimensions & Machine Dimensions

main view

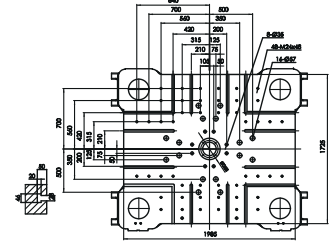


BL1200DK-W	A	B	C	D	E	F	G
	2743	2327	5865	10777	110	1668	3195

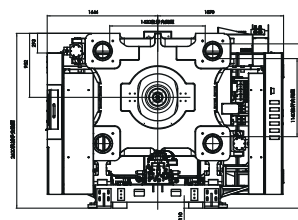
▼ Dimensions of stationary platen



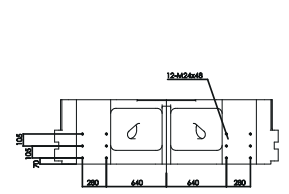
▶ Dimensions of moving platen



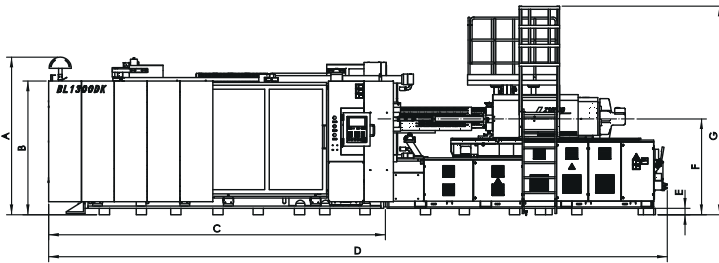
▼ Robot installation dimensions



Robot installation dimensions on stationary platen

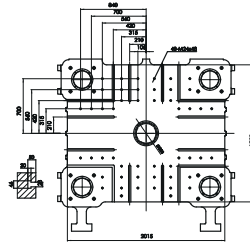


▼ main view

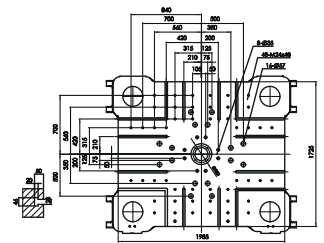


BL1300DK-W	A	B	C	D	E	F	G
	2743	2327	5865	10777	110	1668	3632

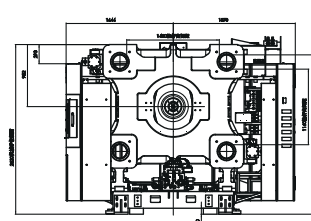
Dimensions of stationary platen



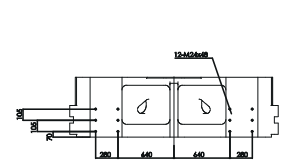
- Dimensions of moving platen



▼ Robot installation dimensions



Robot installation dimensions on stationary platen

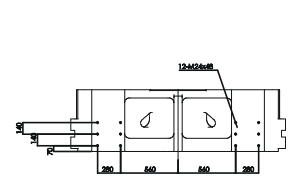
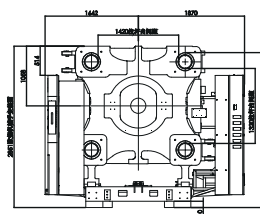
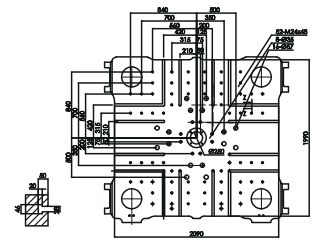
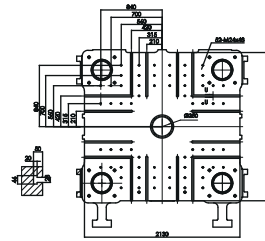


Plaka Kesit Ölçüleri & Makine Ölçüleri

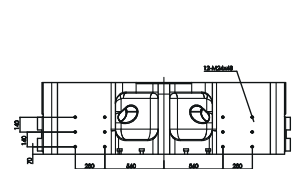
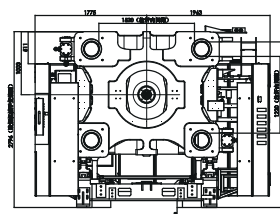
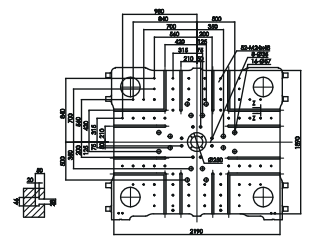
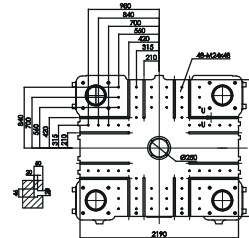
Platen Dimensions & Machine Dimensions



BL1400DK	A	B	C	D	E	F	G
	2743	2327	5871	11537	110	1793	3815

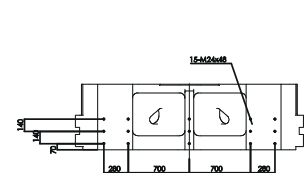
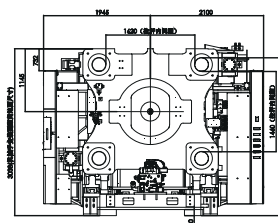
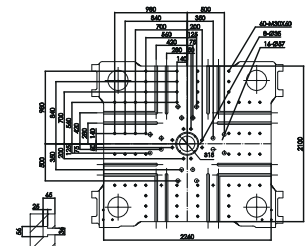
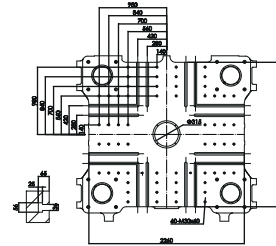
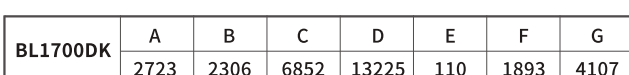
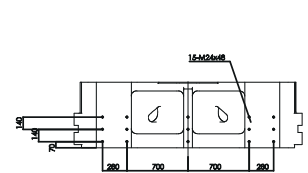
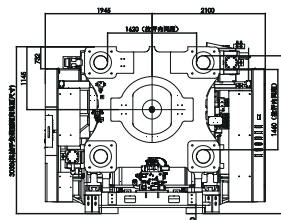
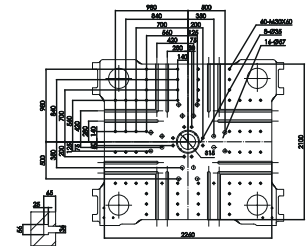
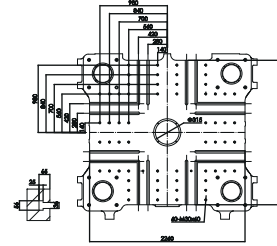
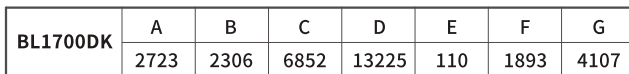


BL1500DK-W	A	B	C	D	E	F	G
	2702	2286	5852	11518	110	1793	3815



Plaka Kesit Ölçüleri & Makine Ölçüleri

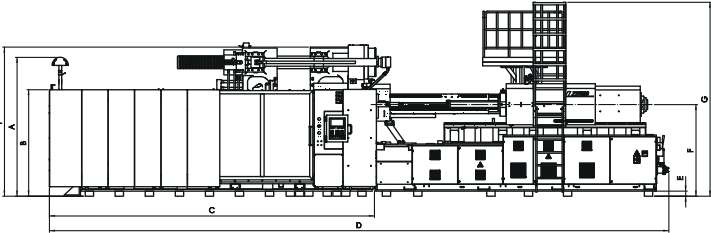
Platen Dimensions & Machine Dimensions



Plaka Kesit Ölçüleri & Makine Ölçüleri

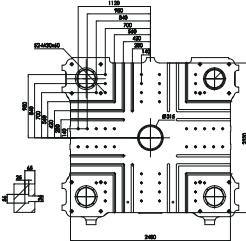
Platen Dimensions & Machine Dimensions

main view

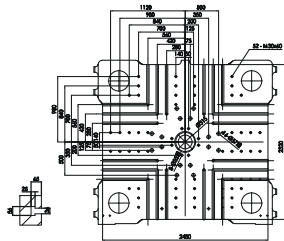


BL2000DK	A	B	C	D	E	F	G
	3005	2306	7031	13405	110	1982	4196

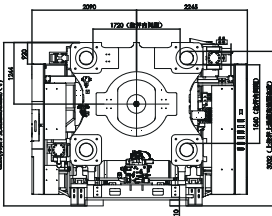
Dimensions of stationary platen



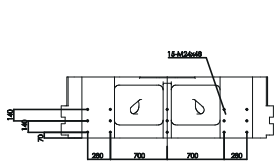
Dimensions of moving platen



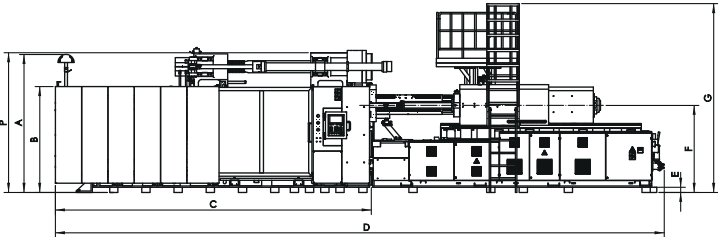
Robot installation dimensions



Robot installation dimensions on stationary platen

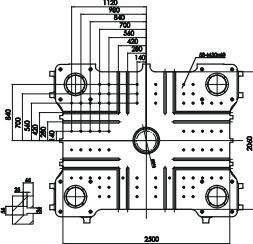


main view

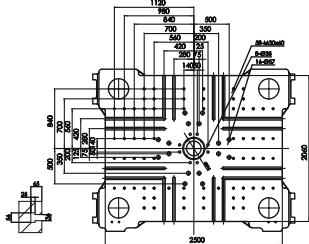


BL2100DK-W	A	B	C	D	E	F	G
	3000	2301	6870	13243	110	1893	4107

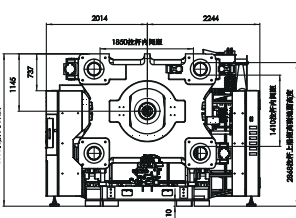
Dimensions of stationary platen



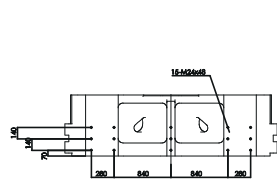
Dimensions of moving platen



Robot installation dimensions



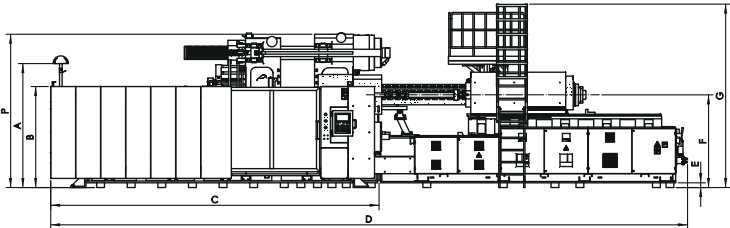
Robot installation dimensions on stationary platen



Plaka Kesit Ölçüleri & Makine Ölçüleri

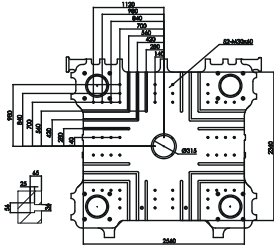
Platen Dimensions & Machine Dimensions

main view

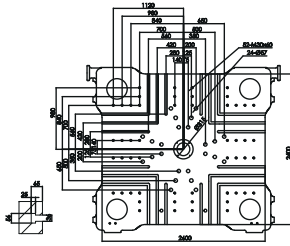


BL2300DK	A	B	C	D	E	F	G
	2835	2311	7512	14565	110	2120	4194

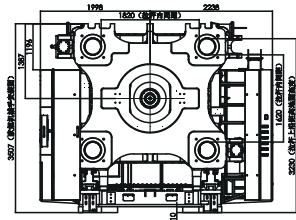
Dimensions of stationary platen



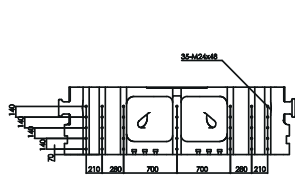
Dimensions of moving platen



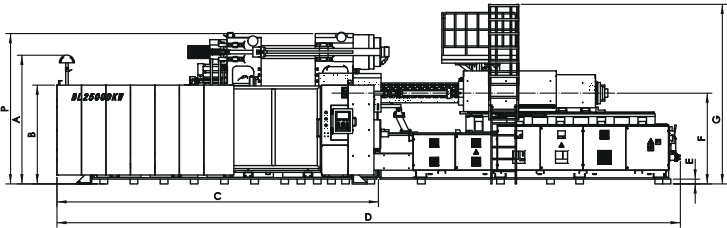
Robot installation dimensions



Robot installation dimensions on stationary platen

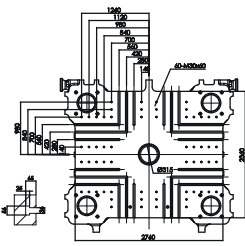


main view

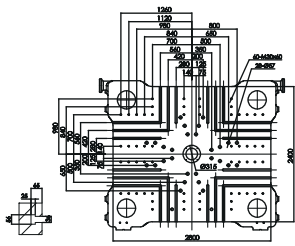


BL2500DK-W	A	B	C	D	E	F	G
	3005	2306	7512	14565	110	2120	4194

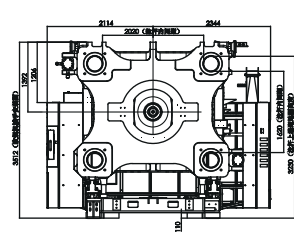
Dimensions of stationary platen



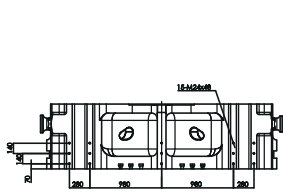
Dimensions of moving platen



Robot installation dimensions

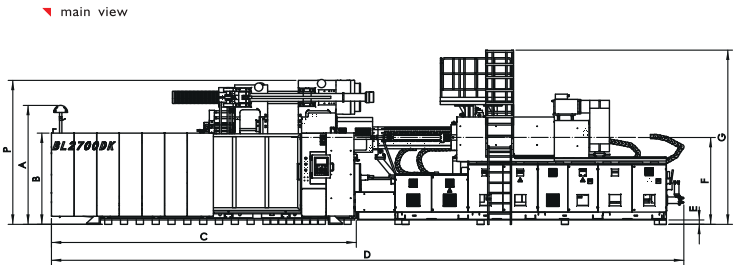


Robot installation dimensions on stationary platen



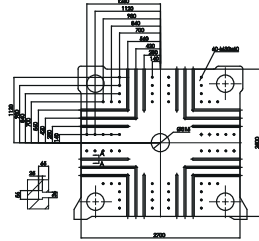
Plaka Kesit Ölçüleri & Makine Ölçüleri

Platen Dimensions & Machine Dimensions

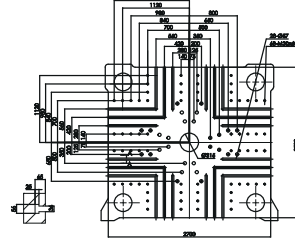


BL2700DK	A	B	C	D	E	F	G
	3005	2306	7704	15982	110	2195	4402

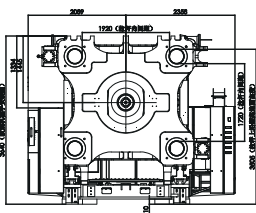
▼ Dimensions of stationary platen



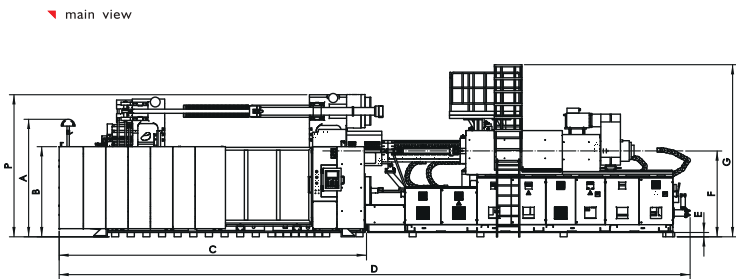
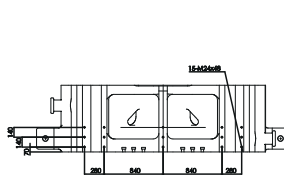
▼ Dimensions of moving platen



▼ Robot installation dimensions

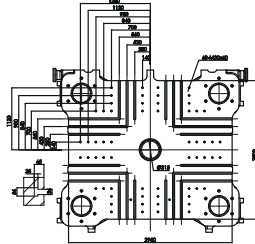


▼ Robot installation dimensions on stationary platen

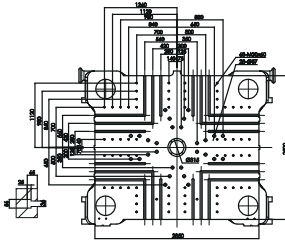


BL2800DK-W	A	B	C	D	E	F	G
	3005	2306	7866	16144	110	2195	4402

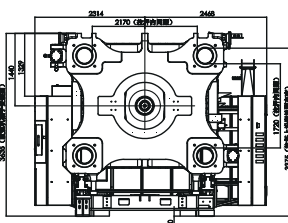
▼ Dimensions of stationary platen



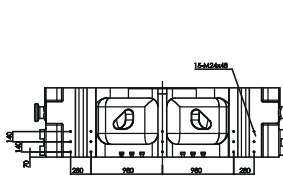
▼ Dimensions of moving platen



▼ Robot installation dimensions



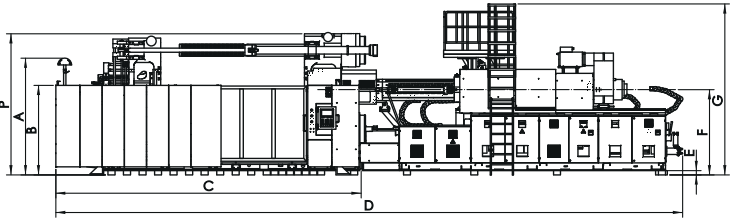
▼ Robot installation dimensions on stationary platen



Plaka Kesit Ölçüleri & Makine Ölçüleri

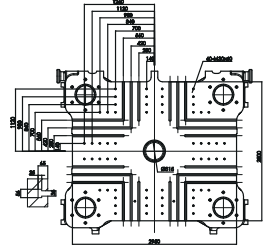
Platen Dimensions & Machine Dimensions

main view

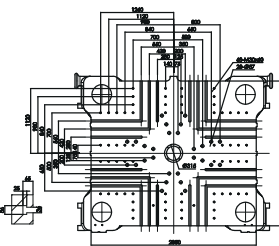


BL3000DK-W	A	B	C	D	E	F	G
	3005	2306	8066	16344	110	2195	4402

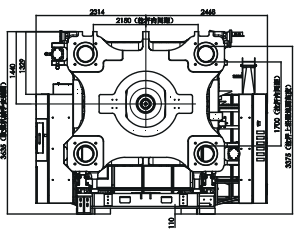
Dimensions of stationary platen



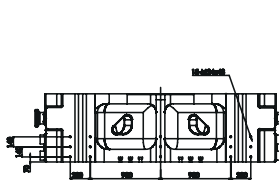
Dimensions of moving platen



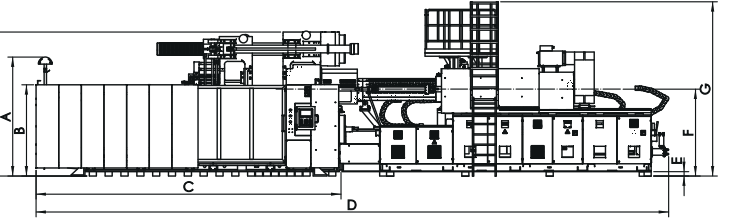
Robot installation dimensions



Robot installation dimensions on stationary platen

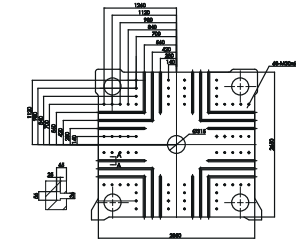


main view

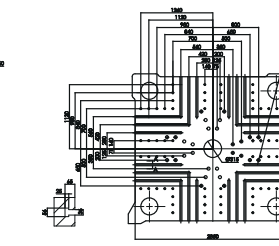


BL3000DK	A	B	C	D	E	F	G
	2990	2291	8249	16527	110	2279	4486

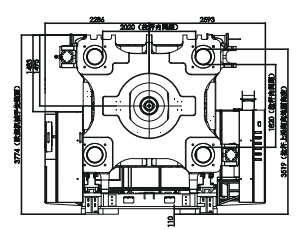
Dimensions of stationary platen



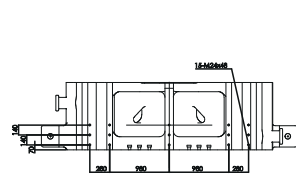
Dimensions of moving platen



Robot installation dimensions

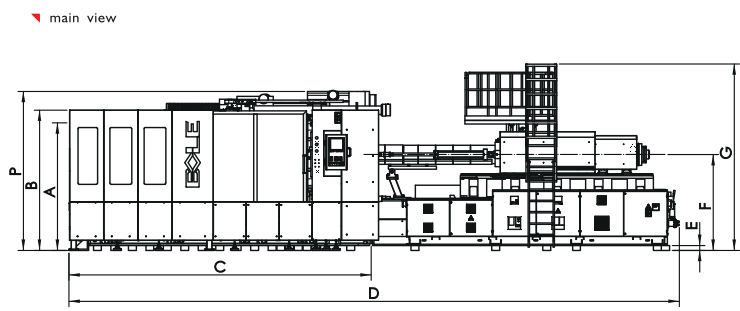


Robot installation dimensions on stationary platen



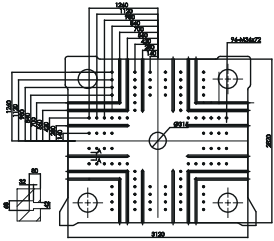
Plaka Kesit Ölçüleri & Makine Ölçüleri

Platen Dimensions & Machine Dimensions

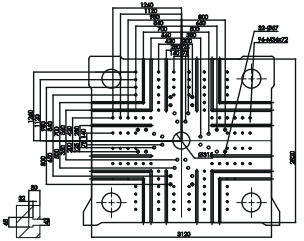


BL3500DK	A	B	C	D	E	F	G
	3212	2990	8938	17908	110	2431	4685

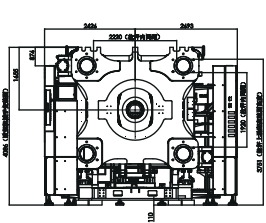
▼ Dimensions of stationary platen



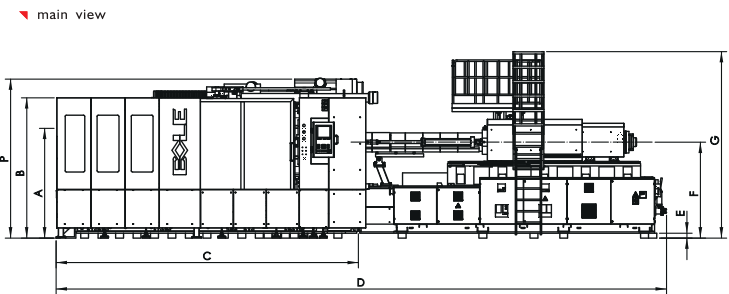
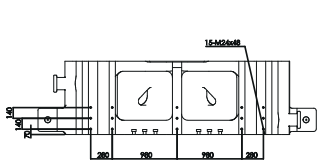
▼ Dimensions of moving platen



▼ Robot installation dimensions

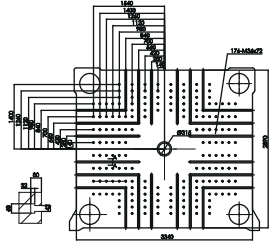


▼ Robot installation dimensions on stationary platen

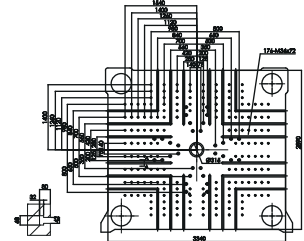


BL4000DK	A	B	C	D	E	F	G
	3212	2990	10500	20500	110	2531	4985

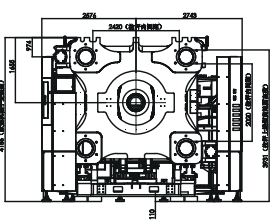
▼ Dimensions of stationary platen



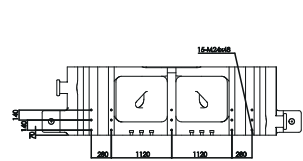
▼ Dimensions of moving platen



▼ Robot installation dimensions



▼ Robot installation dimensions on stationary platen



Sıkıştırma Ünitesi / Clamping Unit

● Standard ◎ Optional

Clamping Unit	520-1200DKW		1300-3000DKW		3000-6800DK	
	Standard	Optional	Standard	Optional	Standard	Optional
T-slot platen (including T-slot+Screw holes)	●		●		●	
Moving platen feet slip adopts linear guide rail support structure	●		●			◎
Anti-down support in slide shoes of movable platen,high hardness steel strip					●	
Hydraulic and electrical dual safety protection device	●		●		●	
Automatic mold height calibration	●		●		●	
Automatic adjustment of clamping force on demand	●		●		●	
Euromap U18 robot postion	●		●		●	
Lowpressure mould protect with high precision	●		●		●	
Equipped with safety screen in the clamping unit	●		●		●	
Auto-door control and safety switch in its bottom and confirmed button in mold closing	●		●		●	
The operation of the open/close mold,ejection is controlled by a high precision electronic ruler	●		●		●	
Optional:multiple ejector model,saperated setting pressure,speed	●		●		●	
Equipped with synchronous ejector and core pulling system	●		●		●	
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)	●		●		●	
Self-detector for volumetric central oil lubrication,equiped 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/close proportional valve	●		●		●	
Emergency stop button on operating side and non-operating side both	●		●		●	
Magnetic Platen Eu70		◎		◎		◎
Hydraulic clamber		◎		◎		◎
Tie bar pull function		◎		◎		◎
Mould heat shiled plate		◎		◎		◎
Bigger mould height		◎		◎		◎
Quick mold change system		◎		◎		◎
Wider machine cover&door		◎		◎		◎
Bigger eject force		◎		◎		◎
Bigger eject stroke		◎		◎		◎
Scscrew hole platen		◎		◎		◎
Special requirements for water block (including fast plug-in, water glass tube flowmeter)		◎		◎		◎
Special number requirement of core		◎		◎		◎
2 air blow		◎		◎		◎

Enjeksiyon Ünitesi / Injection Unit

● Standard ◎ Optional

Injection Unit	520-1200DKW		1300-3000DKW		3000-6800DK	
	Standard	Optional	Standard	Optional	Standard	Optional
Injection/charging base use linear guide rail support structure	●		●		●	
German designed efficient plasticizing quality nitride steel screw barrel	●		●		●	
Barrel support	●		●		●	
Multi-section PID temperature control for nozzle and barrel	●		●		●	
Totally enclosed insulation cover, nozzle cover	●		●		●	
Injection stroke control with precise transducer	●		●		●	
The strimming device of the nozzle centering	●		●		●	
Time-setting heating function,screw cold start protection	●		●		●	
Screw anti-fluid device(pull-out/retract/suck back)	●		●		●	
Screw rotation speed detection	●		●		●	
Auto purge function for cleaning the barrel	●		●		●	
Proportional back pressure of charging	●		●		●	
Carriage manual control central lubrication	●		●		●	
Extented nozzle,extent to 50mm	●		●		●	
Ceramic heating band	●		●		●	
(gas/water)assistant injection signal interface	●		●		●	
The material feed opening temperature control	●		●		●	
Bearing type mobile hopper seat with ordinary hopper	●			◎		◎
Hydraulic synchronous charging system	◎ (≤2300T)		● (≥2700T)			
Feeding plate,without hopper		◎	●			●
Carriage Automatic central lubrication		◎		◎		◎
Special screw barrel (electroplating,alloy,and hard pcmma,pbt,pa,ect)		◎		◎		◎
Extented nozzle,extent to 100mm		◎		◎		◎
Spring or hydraulic,penumatic and shut off nozzle		◎		◎		◎
Enlarging the injection unit		◎		◎		◎
Decrease injection unit		◎		◎		◎
Infrared heating band		◎		◎		◎
Barrel fan coolingsystem		◎		◎		◎
Electrical charging		◎		◎		◎
Signal interface of dosing color machine		◎		◎		◎
Micro-foaming molding		◎		◎		◎
Upgrade plasticizing motor		◎		◎		◎
Nitrogen injection function (Accelerate container)		◎		◎		◎

Kontrol Ünitesi & Hidrolik Ünitesi

Control Unit & Hydraulic Unit

● Standard ◎ Optional

Control Unit & Hydraulic Unit	520-1200DKW		1300-3000DKW		3000-6800DK	
	Standard	Optional	Standard	Optional	Standard	Optional
KEBA computer (12 inch)	●		●		●	
Multiple operating language	●		●		●	
Tricolor alarm light	●		●		●	
Real-time clamping force monitoring	●		●		●	
Euromap U12 manipulator interface	●		●		●	
USB interface,easy backup panel application update and mould parameters save	●		●		●	
Have stop memory function,random can store 240 setsmould data	●		●		●	
Abnonmal alarm and modified record	●		●		●	
Multi-level password settings to prevent the error revising/changing unintentionally and the user could be freely authorized the qualifier to access the related password level as request	●		●		●	
Input,output point detection and i/o online simulation function,can quickly confirm the machine operation status	●		●		●	
Quality data process monitoring interface	●		●		●	
Production statistical process control real-time list interface(SPC)	●		●		●	
Socket:5-core 32Ax2+5-core 16Ax1,3-core multi-functionx2	●		●		●	
Injection moulding machine industry 4.0 network monitoring system interface	●		●		●	
Servo energy-saving system	●		●		●	
Oil temperature detection, deviation automatic alarm	●		●		●	
Motor overload protection function	●		●		●	
Independent cooling filtration system	●		●		●	
Computer KEBA (15")		◎		◎		◎
Euro map67 robot interface		◎		◎		◎
Process data protection lock		◎		◎		◎
Hot runner interface		◎		◎		◎
Special requirement socket		◎		◎		◎
Computer network centralized control,network monitoring system		◎		◎		◎
Real-time energy consumption momitoring		◎		◎		◎
The computer has built-in operation instruction to view the function		◎		◎		◎
Multi-group sequential injection function		◎		◎		◎
Upgrade servo pump&motor 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

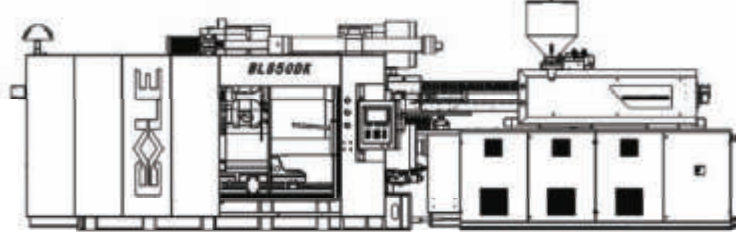
● Standard ◎ Optional

Other parts	520-1200DKW		1300-3000DKW		3000-6800DK	
	Standard	Optional	Standard	Optional	Standard	Optional
Standard machine color of BOLE DK	●		●		●	
Adjustable level pad	●		●		●	
L-shaped fixed block	●		●		●	
Spare parts tool box,common tools,vulnerable parts,extended nozzle,user's guide	●		●		●	
Special color		◎		◎		◎
Robot		◎		◎		◎
Magnetic frame		◎		◎		◎
Hopper dryer		◎		◎		◎
Auto-loader		◎		◎		◎
Fumigation wood package		◎		◎		◎
Pick-up platform		◎		◎		◎
Hydraulic oil		◎		◎		◎
Multiple language warming signs		◎		◎		◎
Anchor bolt		◎		◎		◎



Injection Moulding Machine





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.



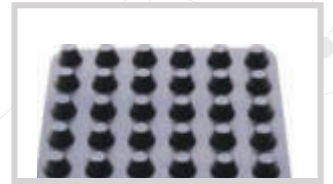
Otomobil endüstrisi
Automobile industry



Beyaz eşya endüstrisi
Household electrical
appliance industry



Derinliği yüksek ürünler
Deep cavity product



Palet vb lojistik ürünleri
Logistics building material

DK Serisi / *DK Series*



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NEW GENERATION SERVICE, NEW GENERATION SUPPLIER

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