EKH Series

Injection Moulding Machine

EKH

Hydraulic Servo Energy Saving Injection Moulding Machine

The Passionate Pursuit of Perfection

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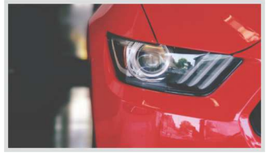
NINGBO, CHINA

Invention Patent,
Central Clamping Toggle

(Patent No.: ZL2011 10250342.5)



Automobile industry

Commodity industry

3C Electrics

Home appliance

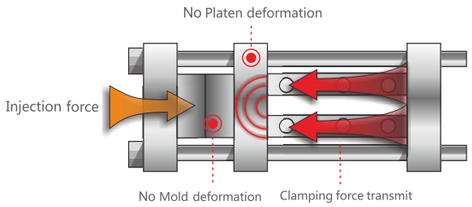
Logistics

Plastic pipe fittings

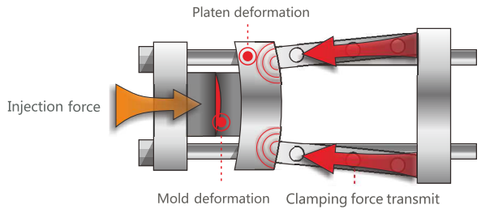
Septic tank

Invention Patent, Central Clamping Toggle

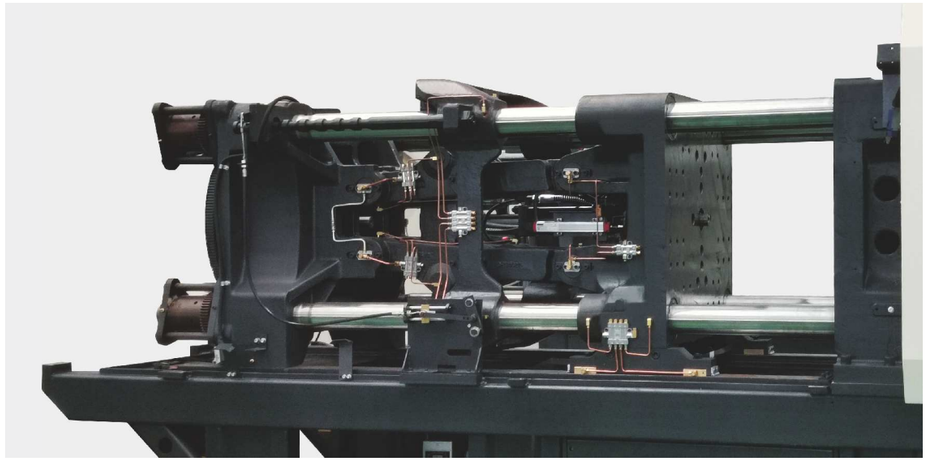
Toggle System Comparison



BOLE center-clamping structure



Traditional Toggle system



01 High clamping force efficiency

After sample survey, clamping force efficiency of BOLE central clamping toggle design can reach 100%, and traditional edge clamping toggle design, clamping force efficiency only can reach 80-85%.

02 Material Saving

BOLE central clamping toggle design can save 2-5% material for 80% of customers mould (comparing to traditional edge clamping toggle design).

03 High accuracy Less possibility of flash

Mold open&close positioning accuracy : ±1mm
Injection weight accuracy : ⩽0.5%
Less possibility of flash, save flash trim work.

04 Offer good protection to mould and platens

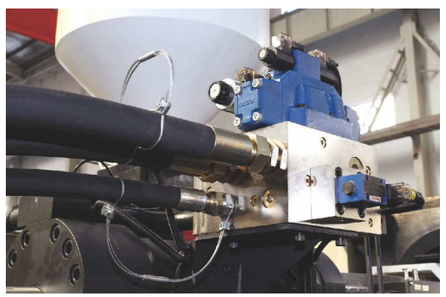
New designed clamping structure , bear averaged force ,Less platen distortion , effectively extend mould life.

05 Big open stroke

Larger open&ejection stroke comparing with other brand, much easier to install larger mould (especially for deep cavity mould).

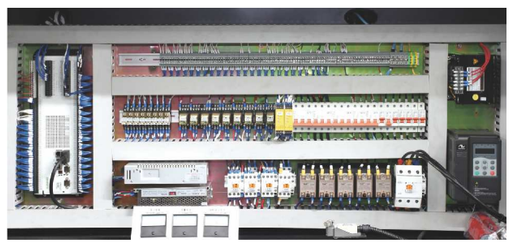
Center-clamping structure,invention patent in China

- Fully optimizd hydraulic system, the system pressure rises to 17.5MPA, improved injection pressure.

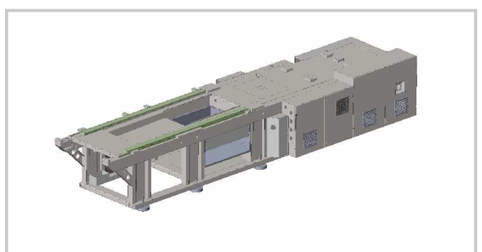


- Third generation of hydraulic servo system, energy saving, the system response time is shorter. According to GB/T30200-2013 standard test, all types of BOLE machines meet the requirement of CLASS 1-energy consumption≤0.4KW.

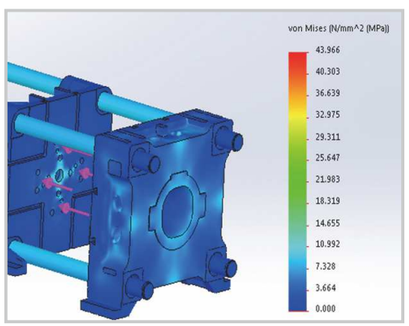
- Optimized electrical cabinet design, conform to GB, CE, UL, KCS or other safety standard.
- Electrical parts from famous international manufacturers, ensure machine with reliable performance.
- EST controller is Standard.



- The rigidity of mechanical part is improved, reasonable distribution of bearing point.



- The ridigity of clamping part is improved, further prolong the life time of machine.



- Plasticzing system originated from Germany design, and its efficiency improve 20% above the performance of other Chinese manufacturers. (Common plastic materials ABS, PS, PP,etc.)
- Meet Custom-made requirement for complex technical process and special plasticzing solutions.

Technical Data

DESCRIPTION	UNIT	BL120EKH/C360			BL160EKH/C490			BL200EKH/C700			BL250EKH/C980		
International specification		360			490			700			980		
Screw specifications		A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	32	36	40	36	40	45	40	45	50	45	50	55
Screw L/D ratio		23	22	20	23	21	19	23	21	19	23	22	20
Theoretical injection capacity	cm^3	153	193	239	214	264	334	301	382	471	429	530	641
Shot weight (PS)	g	141	178	220	197	243	307	277	351	433	395	487	590
	oz	5.0	6.3	7.8	6.9	8.6	10.9	9.8	12.4	15.3	14.0	17.2	20.8
Max. injection rate into Air	cm^3/s	96	122	150	127	156	198	155	197	243	200	247	299
Max. injection rate into Air	g/s	87	111	137	115	142	180	141	179	221	182	225	272
Injection pressure	Mpa	239	189	153	230	186	147	235	185	150	230	186	154
Theoretical plasticizing speed	g/s (PS)	11	14	19	16	21	29	18	25	33	27	35	43
Injection stroke	mm	190			210			240			270		
Max. injection speed	mm/s	119			125			124			126		
Max. screw speed	r/min	221			240			210			221		
Sys. Pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor (min~max)	kW	8.9～13.4			13.4～15.3			16.4～17.1			20.5～22.4		
Number of Motors	pc	1			1			1			1		
Pre-plasticizing motor power	kW	optional			optional			optional			optional		
Heater power	kW	8.05			9.45			12.85			14.67		
Number of temp. control zones		3+1			3+1			3+1			4+1		
Clamping force	kN	1200			1600			2000			2500		
Opening stroke	mm	360			420			480			530		
Space between tie bar	mm x mm	405×355			455×405			505×455			555×505		
Min. mould height	mm	145			165			185			200		
Max. mould height	mm	430			500			530			570		
Max. Daylight	mm	790			920			1010			1100		
Ejector stroke	mm	120			140			150			150		
Ejector force forward	kN	34			49			49			67		
Ejector force back	kN	22			37			37			39		
Number of ejector bar	PC	5			5			5			9		
Dry cycle time	s	3.1			2.4			2.5			3.3		
Energy consumption	kW.h/kg	≤0.4（1级）			≤0.4（1级）			≤0.4（1级）			≤0.4（1级）		
Hopper capacity	kg	25			25			25			50		
Oil tank capacity	L	125			165			205			255		
Machine dimensions (L×W×H)	m x m x m	4.4x1.3x2.1			4.9x1.4x2.1			5.2x1.4x2.2			5.7x1.5x2.4		
Machine weight	ton	3.2			3.8			4.9			6.3		

1: Accoring to GB/T30200-2013 standard, PP material　2: Its a theoretical calculation value　3: Optional items, extra charge

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

Technical Data

DESCRIPTION	UNIT	BL300EKH/C1600			BL400EKH/C2400			BL450EKH/C3100			BL530EKH/C4000		
International specification		1600			2400			3100			4000		
Screw specifications		A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	55	60	65	62	68	75	70	75	85	75	80	90
Screw L/D ratio		23	22	20	23	23	21	23	21	19	22	21	19
Theoretical injection capacity	cm^3	748	890	1045	1086	1307	1590	1462	1678	2155	1943	2211	2798
Shot weight (PS)	g	688	819	961	999	1202	1462	1345	1544	1983	1787	2034	2574
	oz	24.3	28.9	34.0	35.3	42.5	51.7	47.5	54.5	70.1	63.2	71.9	91.0
Max. injection rate into Air	cm^3/s	267	317	373	334	401	488	430	493	634	558	635	804
Max. injection rate into Air	g/s	243	289	339	304	365	444	391	449	576	508	578	731
Injection pressure	Mpa	219	184	157	219	182	149	212	185	144	209	184	145
Theoretical plasticizing speed	g/s (PS)	41	55	69	47	59	85	66	79	101	81	96	132
Injection stroke	mm	315			360			380			440		
Max. injection speed	mm/s	112			111			112			126		
Max. screw speed	r/min	210			175			164			168		
Sys. Pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor (min~max)	kW	26.7 ~ 29.9			37 ~ 40.9			47.2 ~ 50.7			60.5 ~ 65		
Number of Motors	pc	1			1			1			1		
Pre-plasticizing motor power	kW	optional			optional			optional			optional		
Heater power	kW	19.7			26.85			29.2			32.15		
Number of temp. control zones		4+1			4+1			4+1			5+1		
Clamping force	kN	3000			4000			4500			5300		
Opening stroke	mm	590			660			750			850		
Space between tie bar	mm x mm	655×605			710×660			760×710			860×800		
Min. mould height	mm	230			250			330			330		
Max. mould height	mm	660			710			780			850		
Max. Daylight	mm	1250			1370			1530			1700		
Ejector stroke	mm	190			190			210			210		
Ejector force forward	kN	67			123			123			123		
Ejector force back	kN	39			82			82			82		
Number of ejector bar	PC	13			13			13			13		
Dry cycle time	s	2.8			3.6			3.7			4.3		
Energy consumption	kW.h/kg	≤0.4（1级）			≤0.4（1级）			≤0.4（1级）			≤0.4（1级）		
Hopper capacity	kg	50			50			50			100		
Oil tank capacity	L	345			375			430			600		
Machine dimensions (L×W×H)	m x m x m	6.3x1.7x2.5			7x1.8x2.5			7.7x1.9x2.6			8.3x2.1x2.9		
Machine weight	ton	8.3			11			12.5			16.9		

1: Accoring to GB/T30200-2013 standard, PP material

2: Its a theoretical calculation value

3: Optional items, extra charge

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Technical Data

DESCRIPTION	UNIT	BL600EKH/C4700			BL700EKH/C5800			BL800EKH/C8600			BL900EKH/C8600		
International specification		4700			5800			8600			8600		
Screw specifications		A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	80	90	100	85	95	105	95	105	115	100	110	120
Screw L/D ratio		24	21	19	23	21	19	23	21	19	23	21	19
Theoretical injection capacity	cm^3	2286	2893	3572	2836	3542	4327	3861	4717	5658	4278	5177	6161
Shot weight (PS)	g	2103	2662	3286	2609	3259	3981	3552	4339	5205	3936	4763	5668
	oz	74.3	94.1	116.1	92.2	115.2	140.7	125.5	153.3	183.9	139.1	168.3	200.3
Max. injection rate into Air	cm^3/s	707	895	1105	708	884	1080	816	997	1196	904	1094	1302
Max. injection rate into Air	g/s	644	815	1006	644	805	983	743	907	1088	823	996	1185
Injection pressure	Mpa	206	163	132	206	165	135	223	183	152	202	167	140
Theoretical plasticizing speed	g/s (PS)	100	138	177	92	132	177	149	200	256	172	230	292
Injection stroke	mm	455			500			545			545		
Max. injection speed	mm/s	141			125			115			115		
Max. screw speed	r/min	175			150			169			169		
Sys. Pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor (min~max)	kW	75.1～81.8			75.1～81.8			92.6～101.4			92.6～101.4		
Number of Motors	pc	1			1			1			1		
Pre-plasticizing motor power	kW	optional			optional			optional			optional		
Heater power	kW	36.3			44.85			45.5			49.7		
Number of temp. control zones		5+1			5+1			5+1			5+1		
Clamping force	kN	6000			7000			8000			9000		
Opening stroke	mm	900			970			1050			1120		
Space between tie bar	mm x mm	910×855			955×855			1055×955			1110×1010		
Min. mould height	mm	380			400			450			450		
Max. mould height	mm	910			960			1000			1100		
Max. Daylight	mm	1810			1930			2050			2220		
Ejector stroke	mm	220			260			270			300		
Ejector force forward	kN	123			166			166			232		
Ejector force back	kN	82			117			117			132		
Number of ejector bar	PC	21			21			21			21		
Dry cycle time	s	4.4			3.8			4.5			5.6		
Energy consumption	kW.h/kg	≤0.4（1级）			≤0.4（1级）			≤0.4（1级）			≤0.4（1级）		
Hopper capacity	kg	100			100			100			100		
Oil tank capacity	L	810			890			960			960		
Machine dimensions (L×W×H)	m x m x m	9.1x2.2x2.9			9.6x2.3x3			10.4x2.5x3.1			10.8x2.6x3.1		
Machine weight	ton	22			25			30			38		

1: Accoring to GB/T30200-2013 standard, PP material 2: Its a theoretical calculation value 3: Optional items, extra charge

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Technical Data

DESCRIPTION	UNIT	BL1000EKH/C10500			BL1200EKH/C10500			BL1400EKH/C13000			BL1600EKH/C16000		
International specification		10500			10500			13000			16000		
Screw specifications		A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	110	120	130	110	120	130	120	130	140	130	140	150
Screw L/D ratio		23	21	19	23	21	19	23	21	20	23	21	20
Theoretical injection capacity	cm^3	5652	6726	7894	5652	6726	7894	7235	8491	9847	9021	10462	12011
Shot weight (PS)	g	5199	6188	7262	5199	6188	7262	6656	7811	9059	8300	9625	11050
	oz	183.7	218.7	256.6	183.7	218.7	256.6	235.2	276.0	320.1	293.3	340.1	390.4
Max. injection rate into Air	cm^3/s	985	1172	1375	985	1172	1375	1210	1420	1647	1420	1647	1891
Max. injection rate into Air	g/s	896	1066	1252	896	1066	1252	1101	1292	1499	1292	1499	1721
Injection pressure	Mpa	185	156	133	185	156	133	181	154	133	180	155	135
Theoretical plasticizing speed	g/s (PS)	166	211	248	166	211	248	201	237	284	220	264	316
Injection stroke	mm	595			595			640			680		
Max. injection speed	mm/s	104			104			107			107		
Max. screw speed	r/min	122			122			117			108		
Sys. Pressure	Mpa	17.5			17.5			17.5			17.5		
Pump Motor (min~max)	kW	92.6～101.4			92.6～101.4			117.5～121			140.1～142.3		
Number of Motors	pc	1			1			1			2		
Pre-plasticizing motor power	kW	optional			optional			optional			optional		
Heater power	kW	60.8			60.8			80			87.8		
Number of temp. control zones		6+1			6+1			6+1			6+1		
Clamping force	kN	10000			12000			14000			16000		
Opening stroke	mm	1150			1320			1450			1550		
Space between tie bar	mm x mm	1160×1060			1260×1120			1420×1220			1520×1320		
Min. mould height	mm	480			500			580			680		
Max. mould height	mm	1160			1200			1300			1450		
Max. Daylight	mm	2310			2520			2750			3000		
Ejector stroke	mm	300			350			350			400		
Ejector force forward	kN	248			248			248			363		
Ejector force back	kN	165			165			165			280		
Number of ejector bar	PC	21			21			29			29		
Dry cycle time	s	7.0			8.0			8.5			9.0		
Energy consumption	kW.h/kg	≤0.4（1级）			≤0.4（1级）			≤0.4（1级）			≤0.4（1级）		
Hopper capacity	kg	100			200			200			200		
Oil tank capacity	L	1320			1320			1600			1650		
Machine dimensions (L×W×H)	m x m x m	10.9x2.9x4.2			11.4x3x4.2			12.3x3.3x4.1			13.4x3.4x4.3		
Machine weight	ton	45			52			67			90		

1: Accoring to GB/T30200-2013 standard, PP material　2: Its a theoretical calculation value　3: Optional items, extra charge

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Technical Data

DESCRIPTION	UNIT	BL1850EKH/C22000		BL1850EKH/C35000		BL2200EKH/C35000		BL2200EKH/C54000		BL2500EKH/C54000	
International specification		22000		35000		35000		54000		54000	
Screw specifications		A	B	A	B	A	B	A	B	A	B
Screw diameter	mm	140	160	160	180	160	180	190	210	190	210
Screw L/D ratio		24	21	23.6	21	23.6	21	23	21	23	21
Theoretical injection capacity	cm^3	14155	18488	22508	28486	22508	28486	36840	45004	36840	45004
Shot weight (PS)	g	13023	17009	20707	26207	20707	26207	33893	41404	33893	41404
	oz	460.2	601.0	731.7	926.0	731.7	926.0	1197.6	1463.0	1197.6	1463.0
Max. injection rate into Air	cm^3/s	1624	2121	2016	2551	2016	2551	2396	2894	2369	2894
Max. injection rate into Air	g/s	1478	1930	1835	2322	1835	2322	2156	2633	2156	2633
Injection pressure	Mpa	157	120	158	125	158	125	146	120	146	120
Theoretical plasticizing speed	g/s (PS)	195	304	304	368	304	368	345	441	345	441
Injection stroke	mm	920		1120		1120		1300		1300	
Max. injection speed	mm/s	106		100		100		84		84	
Max. screw speed	r/min	80		80		80		63		63	
Sys. Pressure	Mpa	17.5		17.5		17.5		17.5		17.5	
Pump Motor (min~max)	kW	140.1～142.3		164.7～171.7		164.7～171.7		181.5～182.5		181.5～182.5	
Number of Motors	pc	2		2		2		2		2	
Pre-plasticizing motor power	kW	optional		optional		optional		209		209	
Heater power	kW	99.7		125.3		125.3		200.5		200.5	
Number of temp. control zones		6+2		7+1		7+1		8+1		8+1	
Clamping force	kN	18500				22000				25000	
Opening stroke	mm	1680				1850				2000	
Space between tie bar	mm x mm	1620×1420				1720×1520				1820×1620	
Min. mould height	mm	750				750				800	
Max. mould height	mm	1550				1700				1800	
Max. Daylight	mm	3230				3550				3800	
Ejector stroke	mm	400				450				500	
Ejector force forward	kN	363				465				465	
Ejector force back	kN	280				365				365	
Number of ejector bar	PC	29				33				33	
Dry cycle time	s	10.0		9.5		11.0		10.0		11.0	
Energy consumption	kW.h/kg	≤0.4（1级）		≤0.4（1级）		≤0.4（1级）		≤0.4（1级）		≤0.4（1级）	
Hopper capacity	kg	200				400				400	
Oil tank capacity	L	1650		1950		1950				1950	
Machine dimensions (L×W×H)	m x m x m	14.9x3.9x4.5		15.8x3.9x4.6		16.9x4.1x4.6		18.1x4.1x4.6		18.6x4.3x4.8	
Machine weight	ton	105		110		130		140		170	

1: Accoring to GB/T30200-2013 standard, PP material 2: Its a theoretical calculation value 3: Optional items, extra charge

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

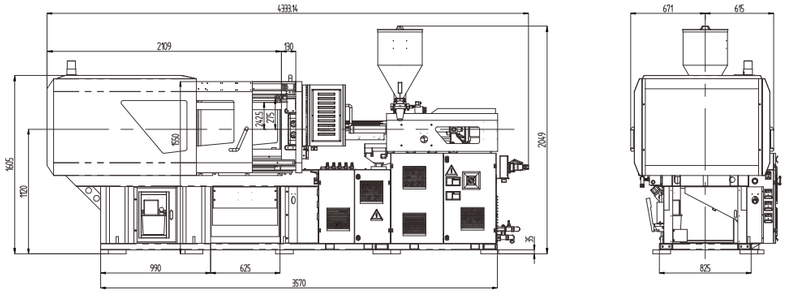
Technical Data

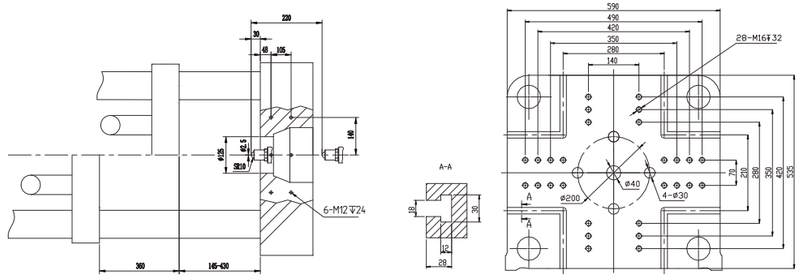
DESCRIPTION	UNIT	BL2800EKH/C54000		BL2800EKH/C72000		BL3300EKH/C72000		BL3300EKH/C94000		BL4000EKH/C94000	
International specification		54000		72000		72000		94000		94000	
Screw specifications		A	B	A	B	A	B	A	B	A	B
Screw diameter	mm	190	210	215	240	215	240	240	260	240	260
Screw L/D ratio		23	21	23	20.5	23	20.5	23	21	23	21
Theoretical injection capacity	cm^3	36840	45004	49350	61494	49350	61494	64207	75354	64207	75354
Shot weight (PS)	g	33893	41404	45402	56574	45402	56574	59070	69325	59070	69325
	oz	1197.6	1463.0	1604.3	1999.1	1604.3	1999.1	2087.3	2449.7	2087.3	2449.7
Max. injection rate into Air	cm^3/s	2369	2894	2486	3098	2486	3098	3113	3654	3113	3654
Max. injection rate into Air	g/s	2156	2633	2262	2819	2262	2819	2833	3325	2833	3325
Injection pressure	Mpa	146	120	147	118	147	118	146	125	146	125
Theoretical plasticizing speed	g/s (PS)	345	441	481	626	481	626	626	764	626	764
Injection stroke	mm	1300		1360		1360		1420		1420	
Max. injection speed	mm/s	84		69		69		69		69	
Max. screw speed	r/min	63		63		63		63		63	
Sys. Pressure	Mpa	17.5		17.5		17.5		17.5		17.5	
Pump Motor (min~max)	kW	181.5～182.5		185.2～202.8		185.2～202.8		235～242		235～242	
Number of Motors	pc	2		2		2		2		2	
Pre-plasticizing motor power	kW	209		314		314		314		314	
Heater power	kW	200.5		222.8		222.8		271.6		271.6	
Number of temp. control zones		8+1		8+1		8+1		8+1		8+1	
Clamping force	kN	28000				33000				40000	
Opening stroke	mm	2100				2200				2350	
Space between tie bar	mm x mm	1920×1720				2110×1910				2420×2220	
Min. mould height	mm	850				950				1100	
Max. mould height	mm	1900				2000				2100	
Max. Daylight	mm	4000				4200				4450	
Ejector stroke	mm	500				550				600	
Ejector force forward	kN	465				618				618	
Ejector force back	kN	365				483				483	
Number of ejector bar	PC	33				25				25	
Dry cycle time	s	12.5		12.0		13.0		12.5		13.5	
Energy consumption	kW.h/kg	≤0.4（1级）		≤0.4（1级）		≤0.4（1级）		≤0.4（1级）		≤0.4（1级）	
Hopper capacity	kg	400				400				400	
Oil tank capacity	L	1950		2450		2450		3000		3000	
Machine dimensions (L×W×H)	m x m x m	19.1x4.5x4.9		20.1x4.5x5		20.4x5x5.1		21.2x5x5.1		22.5x5.3x5.1	
Machine weight	ton	190		205		255		265		320	

1: Accoring to GB/T30200-2013 standard, PP material　2: Its a theoretical calculation value　3: Optional items, extra charge

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

Machine Dimensions & Platen Dimensions





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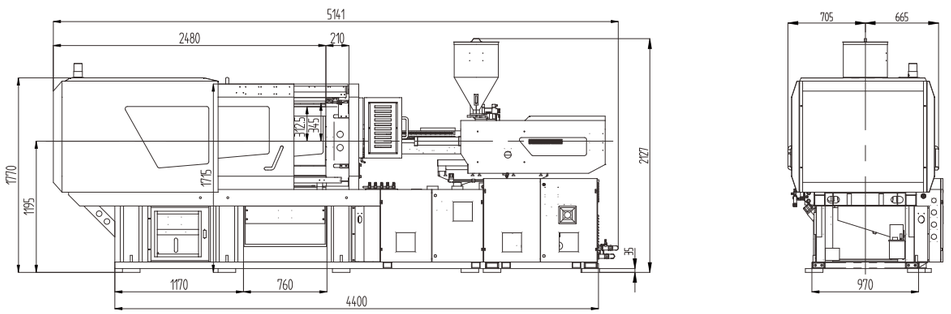

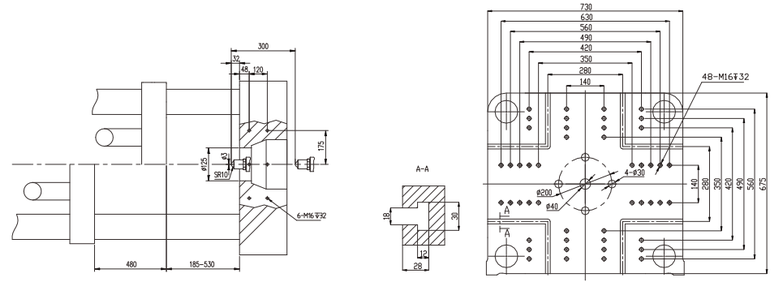

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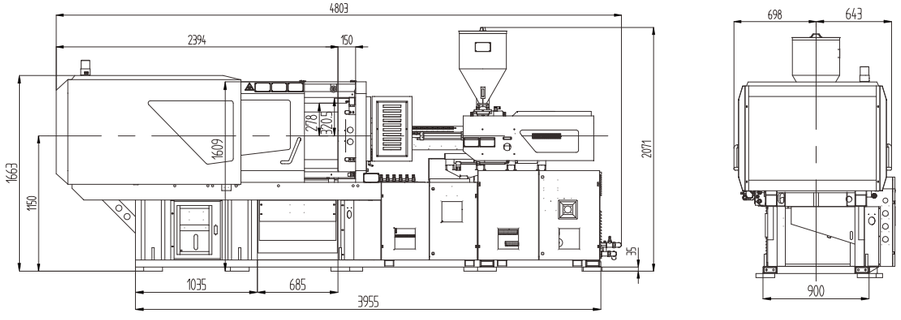

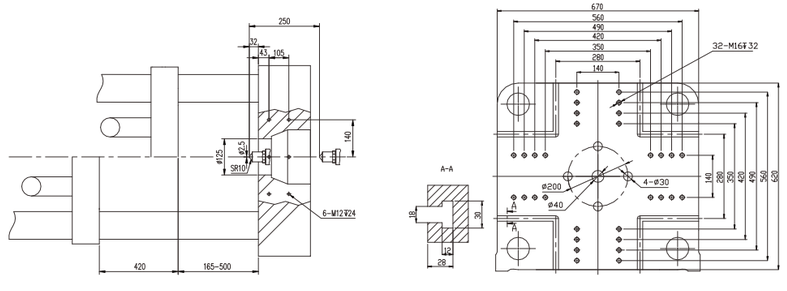

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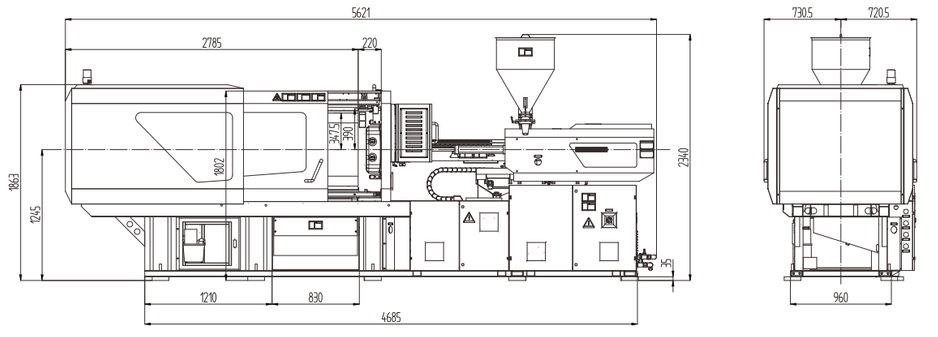
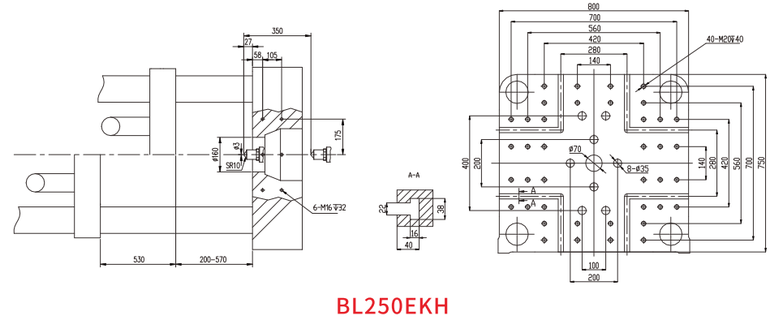
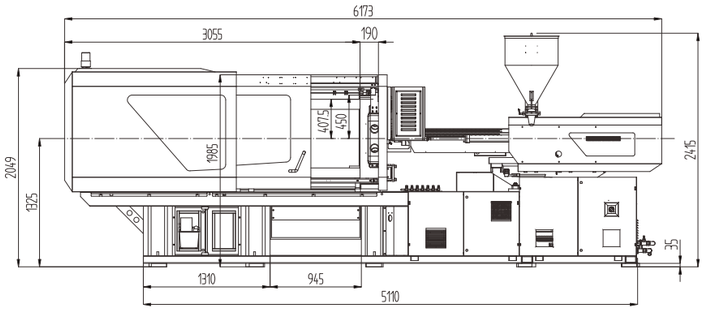
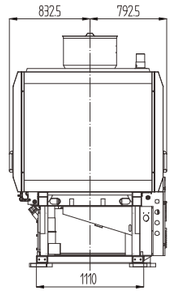


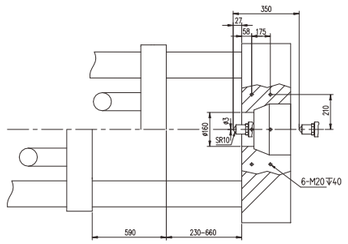


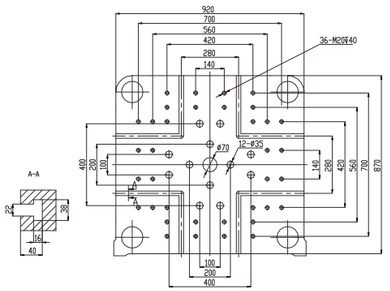
BL250EKH

Machine Dimensions & Platen Dimensions









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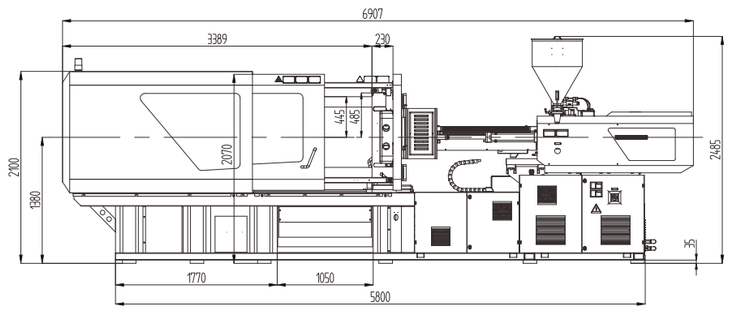

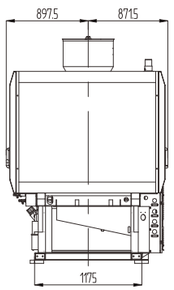

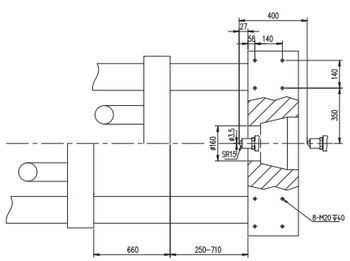

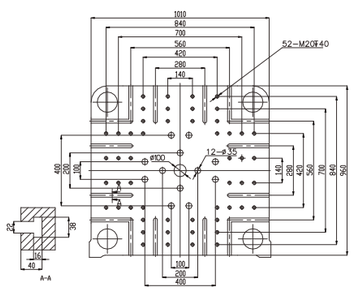

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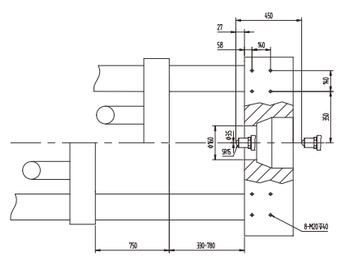

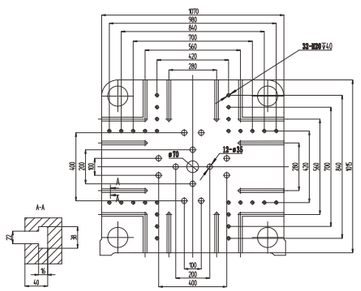

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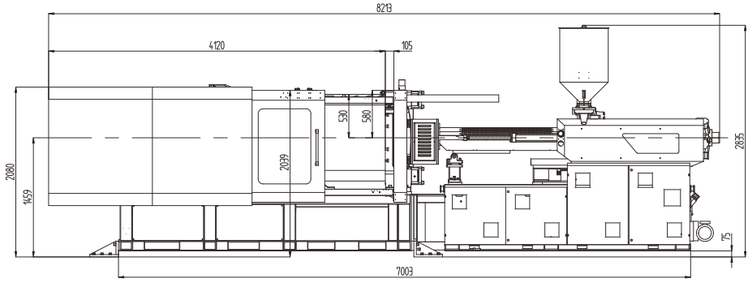
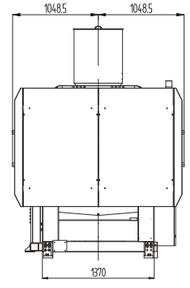
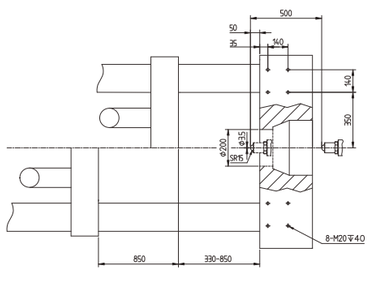
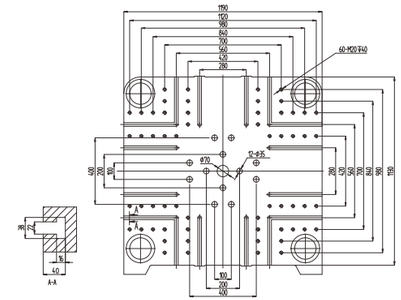


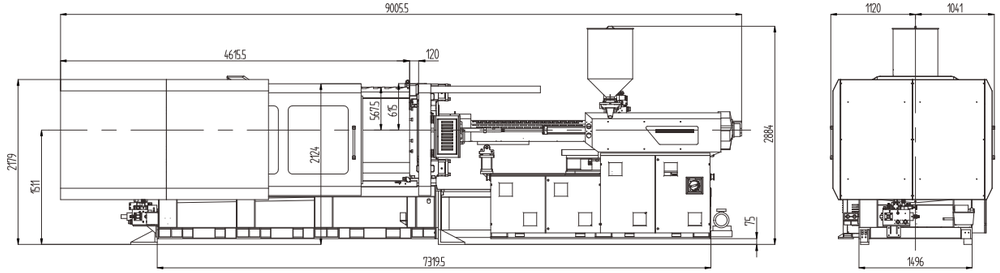


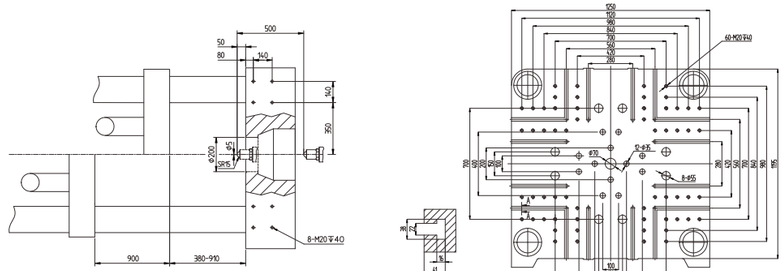




BL530EKH

Machine Dimensions & Platen Dimensions





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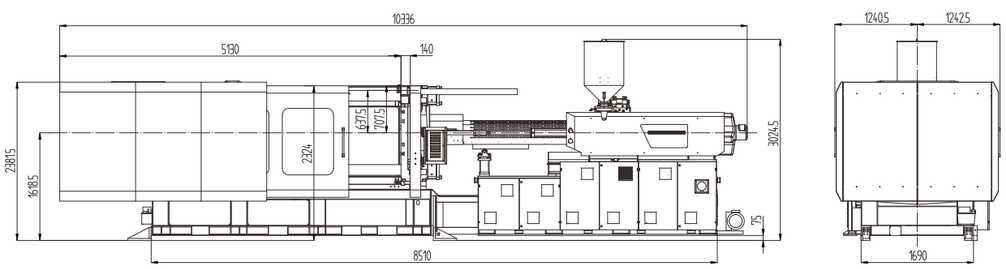

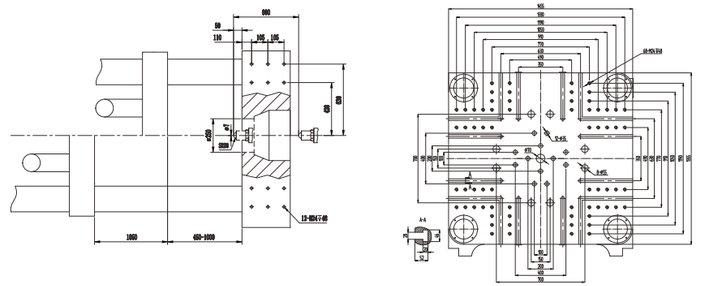

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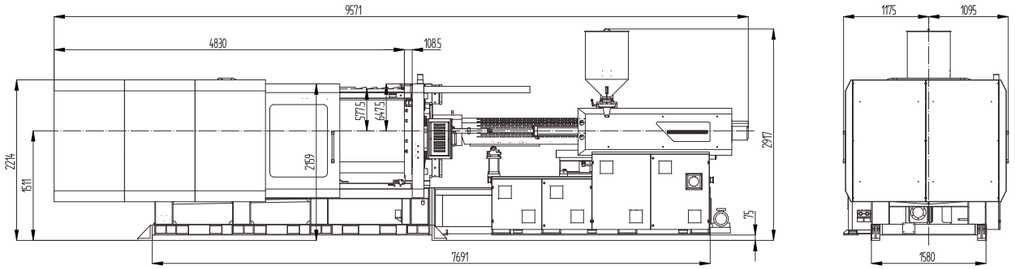

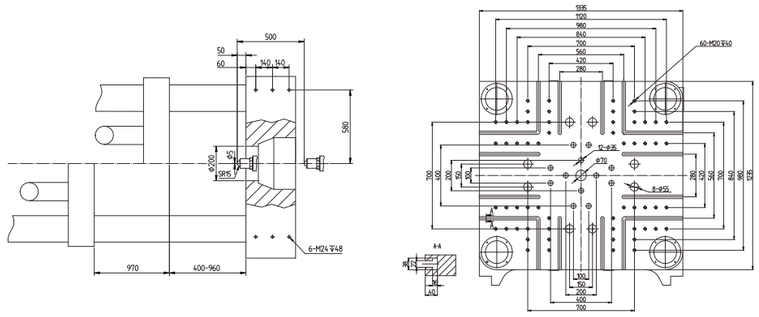

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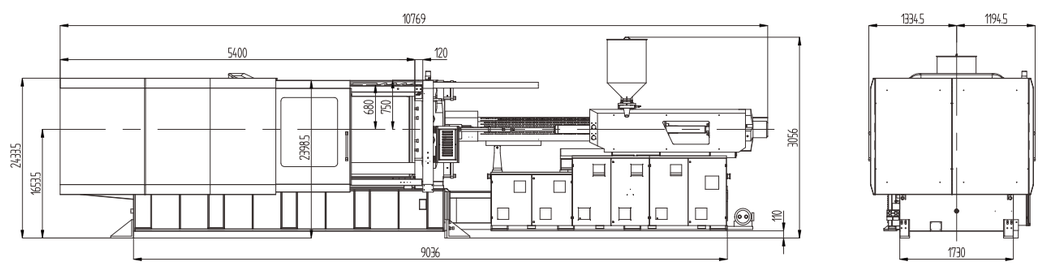
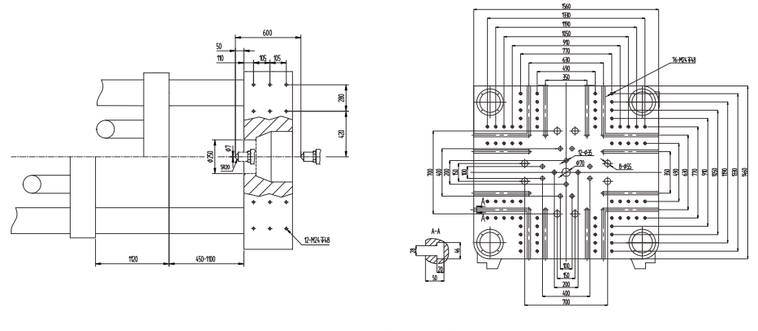
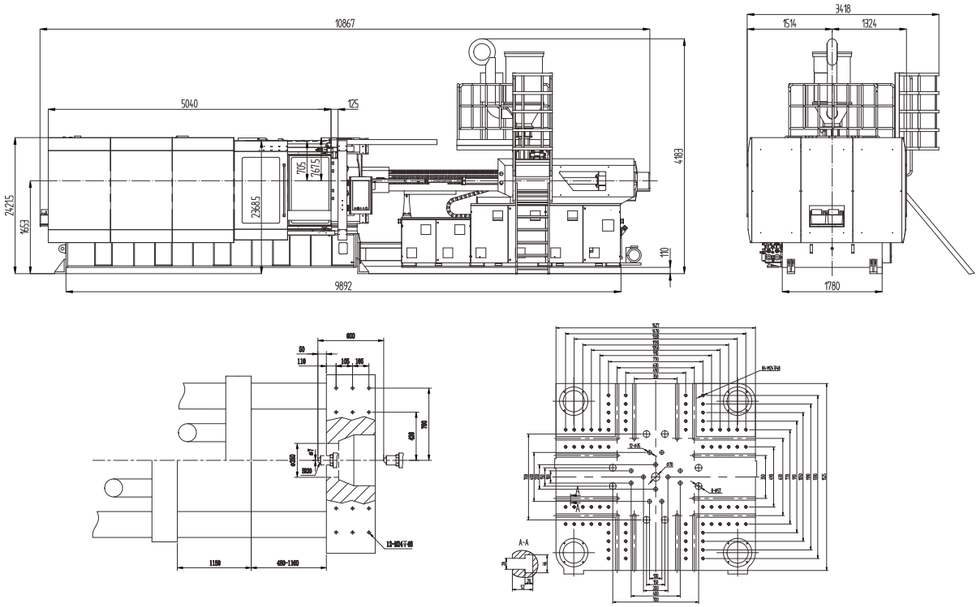




BL900EKH

Machine Dimensions & Platen Dimensions



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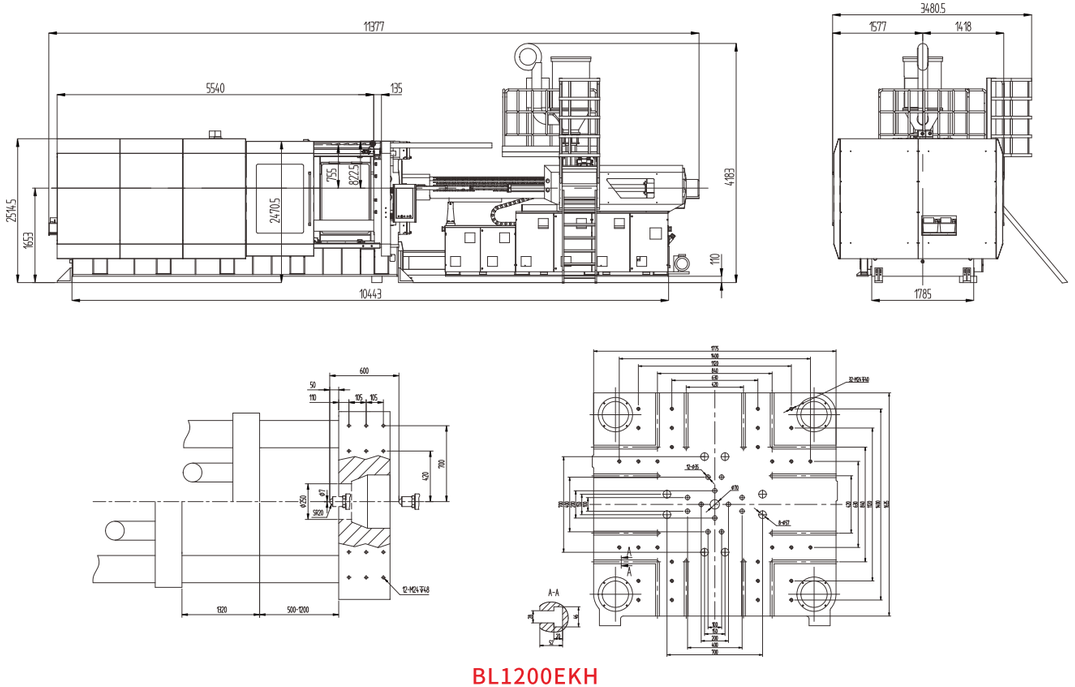

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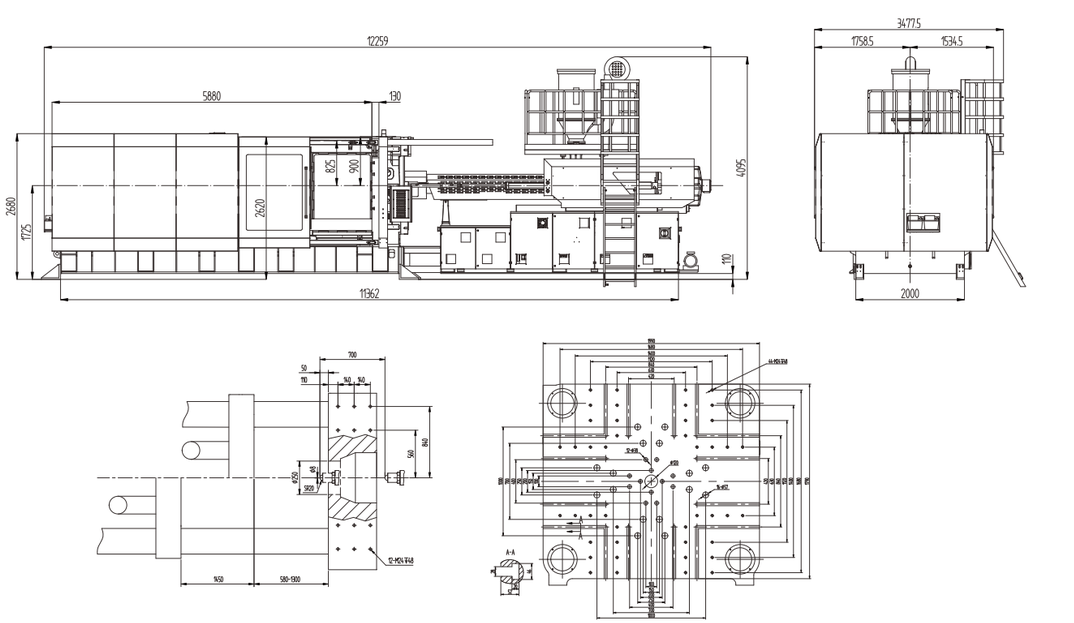

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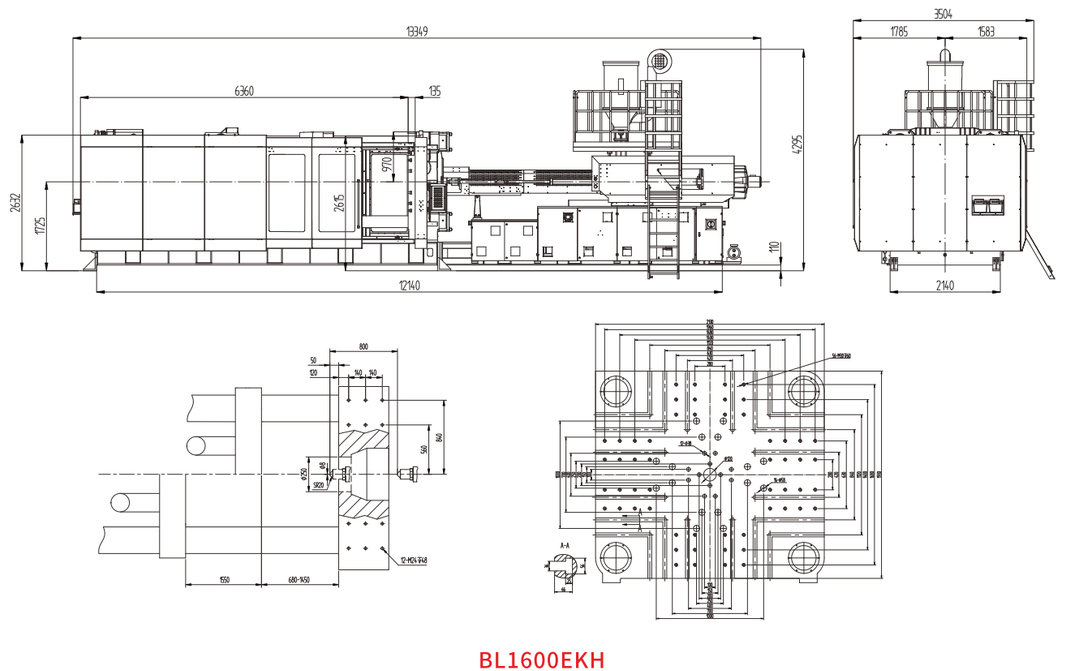
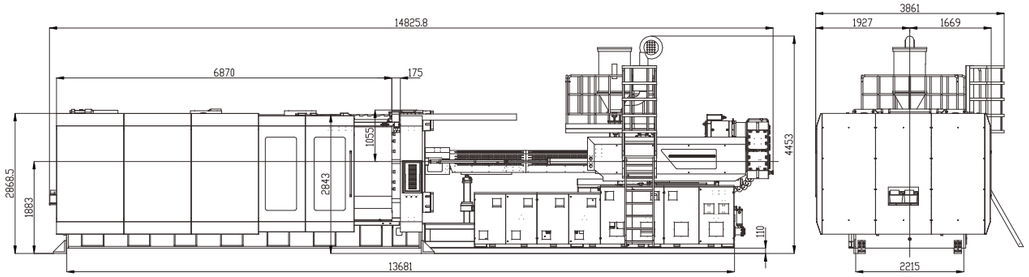
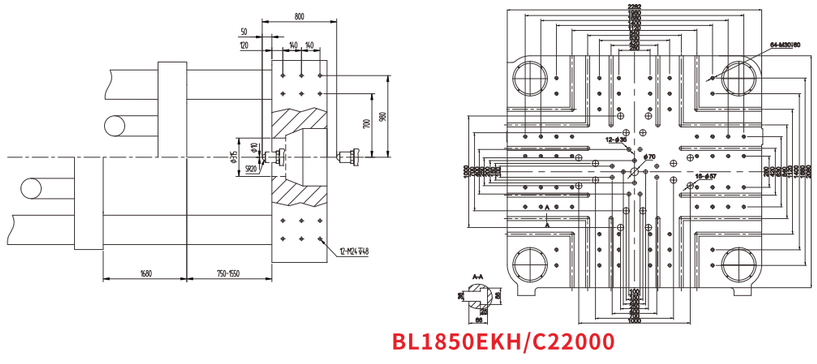


BL1600EKH

Machine Dimensions & Platen Dimensions





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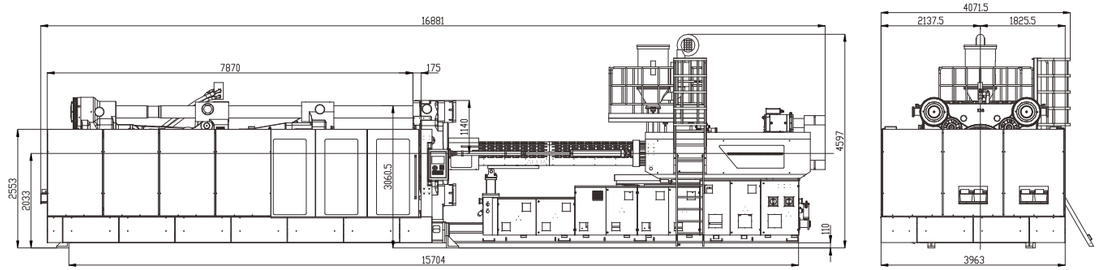

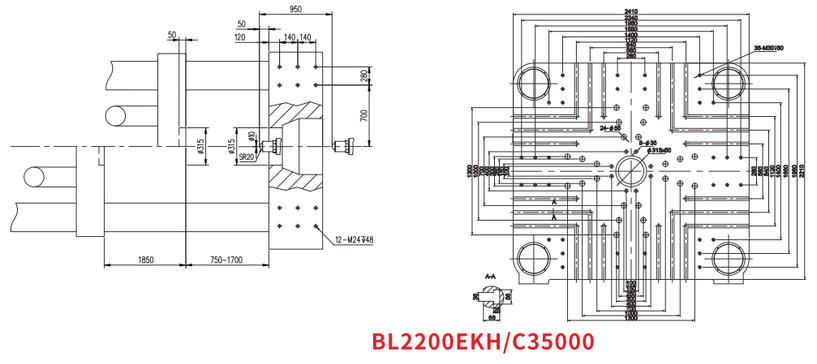

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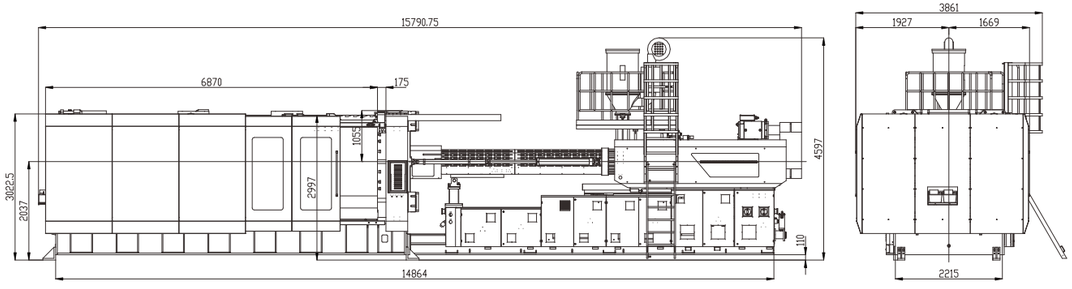

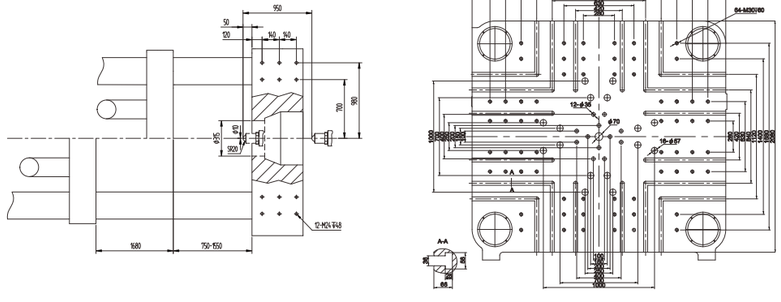

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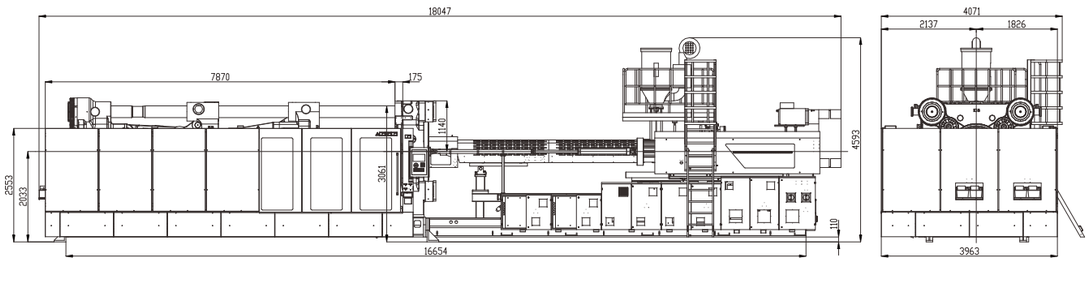
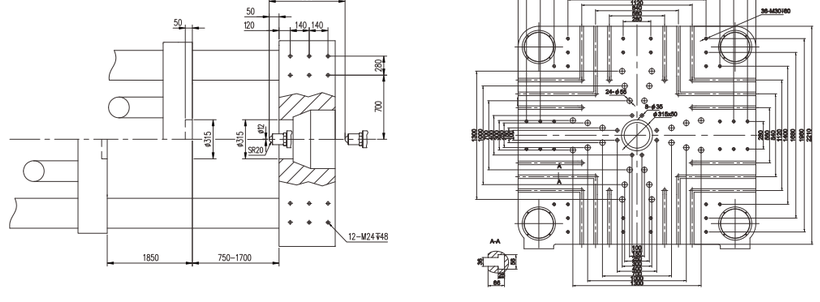
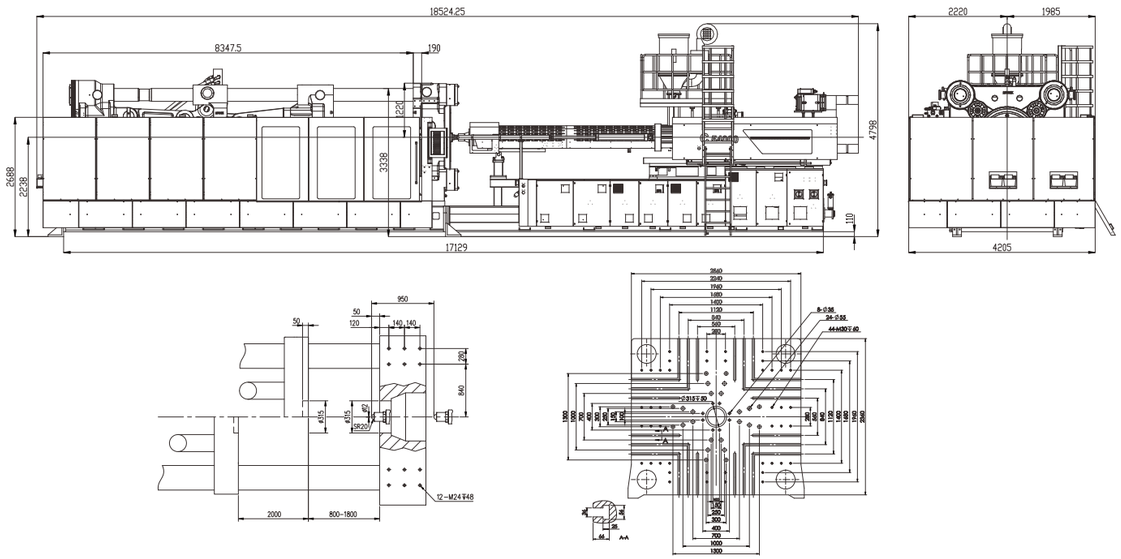




BL2200EKH/C54000

Machine Dimensions & Platen Dimensions



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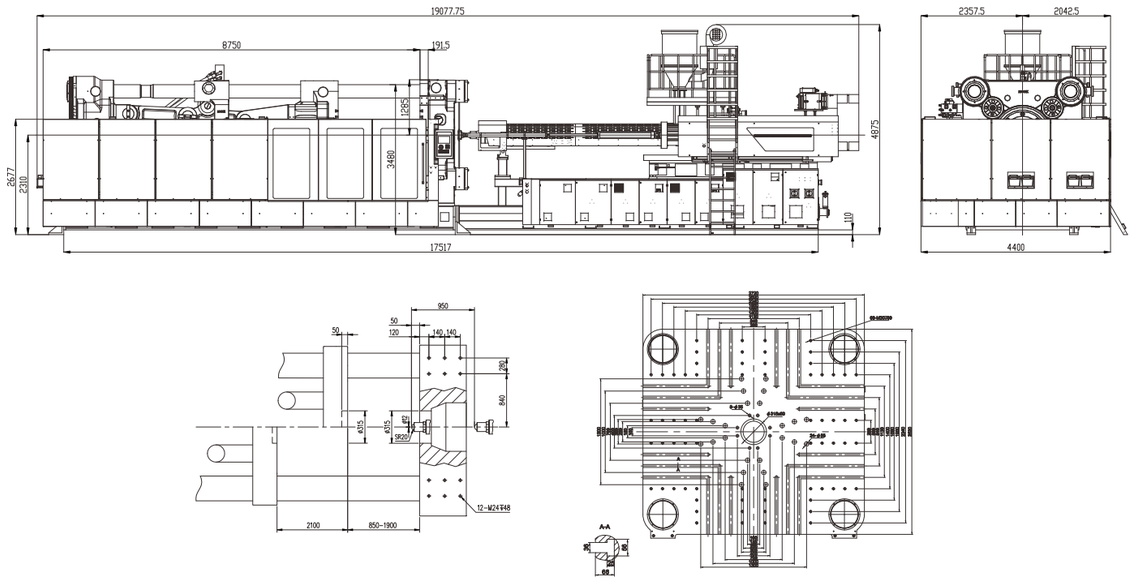

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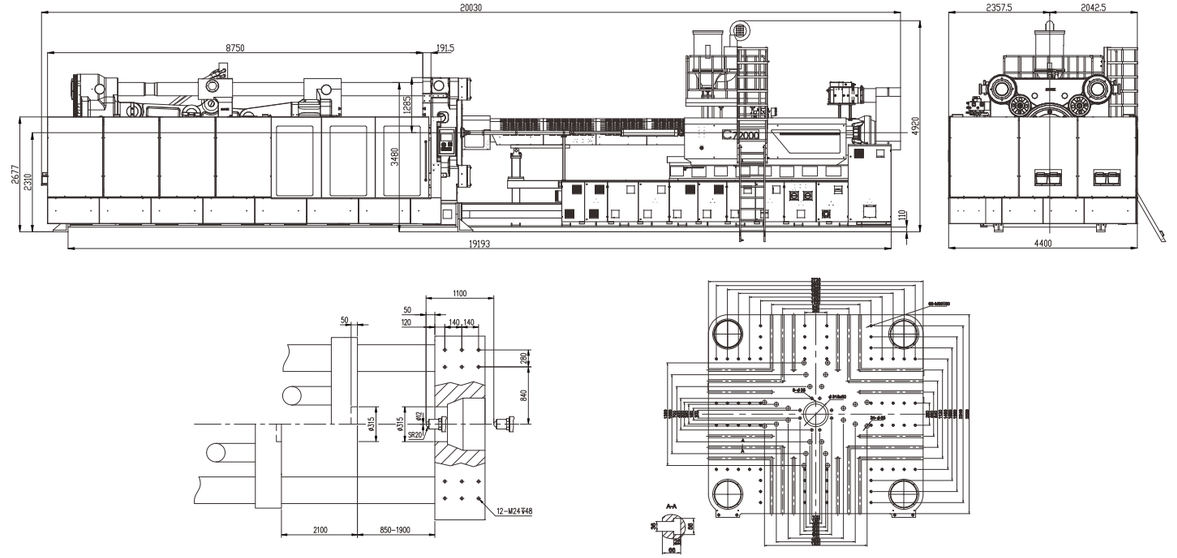

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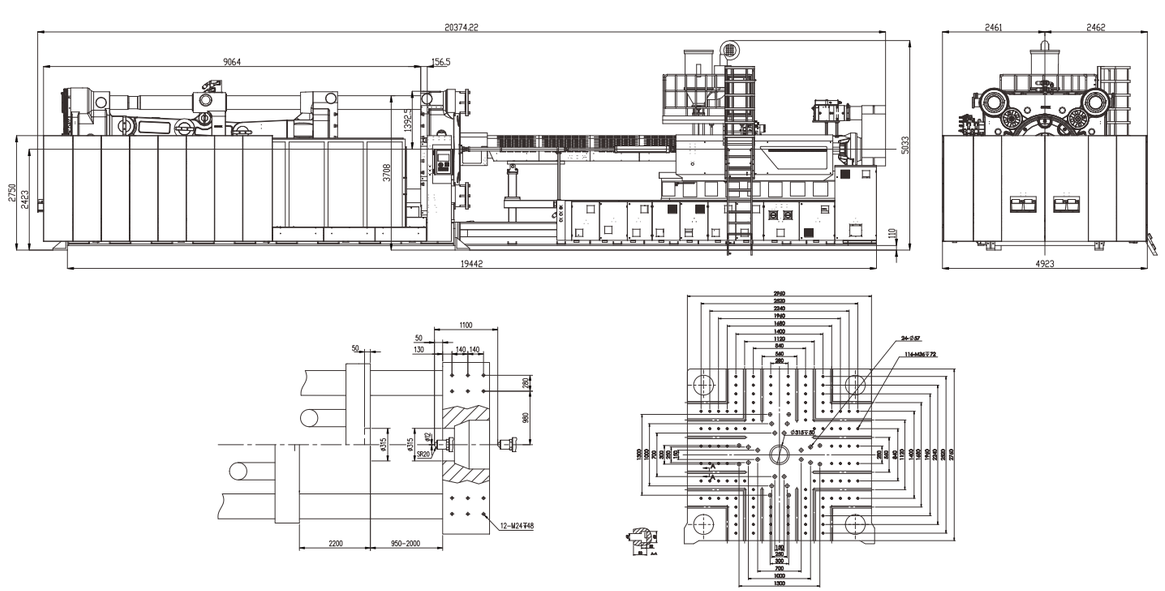

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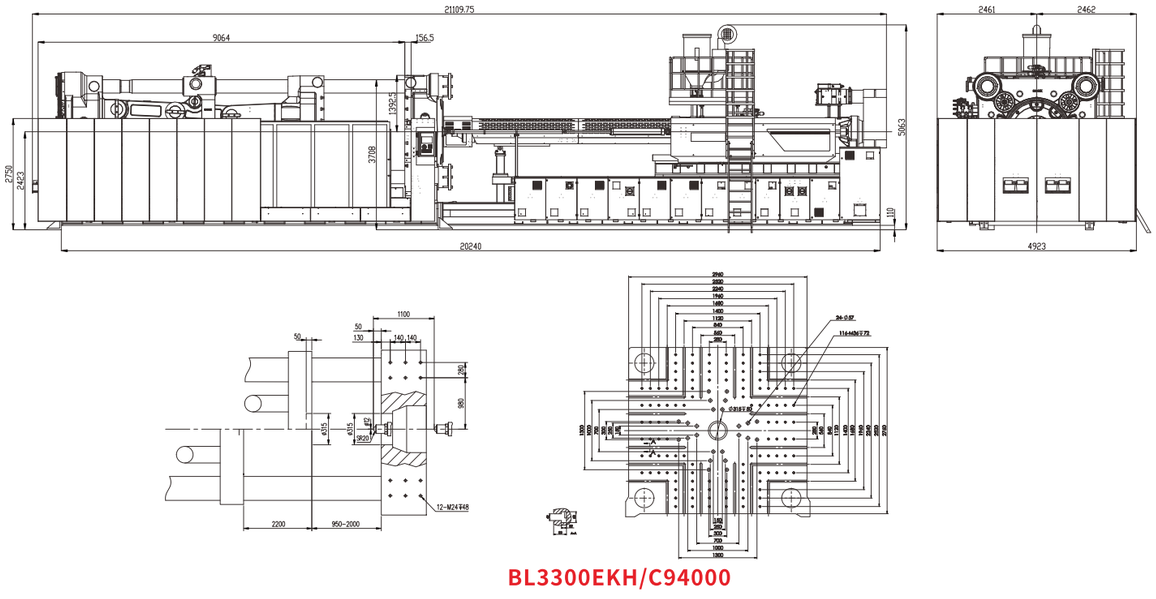
Machine Dimensions & Platen Dimensions



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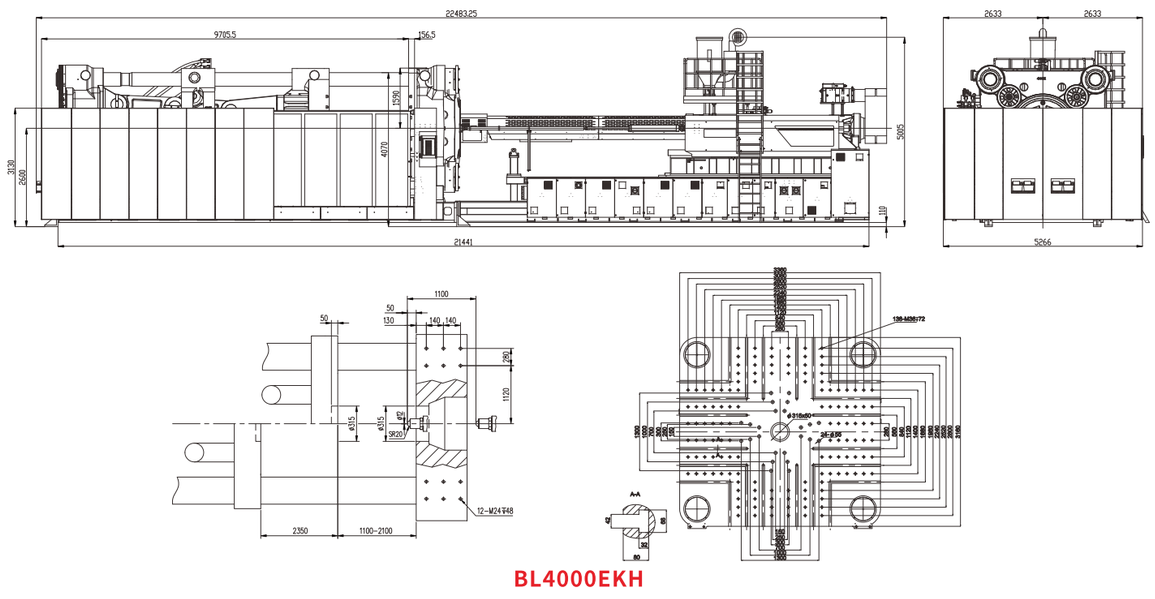

BL4000EKH

Configuration List

Standard Configuration Menu of BL EKH series

Clamping Unit

>> Patented five-point clamping mechanism with outward crankshaft get great opening stroke
>> Widen platen design adapt to large-dimension mold
>> High-precision and low-pressure protection mold function
>> Hydraulic motor drives automatic gear for mold adjustment
>> Adjustable support structure for moving platen reduces deformation of tie bar
>> Mechanical, electrical, hydraulic two/three level safety protection device
>> Equipped with mold safety pedal in the mold area (above BL1200EKH)
>> Automatic safety door control (above BL700EKH)
>> Mold opening and closing, ejecting movement are controlled by high-precision electronic ruler
>> Various ejecting modes are optional, pressure and speed are set separately
>> Synchronous ejection/core pulling function on machines BL2200EKH-4000EKH
>> Five levels speed and the adjustable pressure for mold opening and closing
>> Volumetric centralized lubrication system with automatic detection

Electrical Control Unit

>> Process parameter presetting function
>> With setting value reference and online operation auxiliary description function
>> Optional robot interface
>> Parameter data protection lock
>> PID temperature automatic control, realize self-calibration of barrel temperature
>> USB interface, convenient for panel program update and mold parameters backup
>> With the memory function of machine stopping, it can store 200 groups of mold data randomly
>> 100 sets of exception alerts and 100 sets of modification record stores
>> Multi-level password protection,and new setting according to different authorization levels,to Prevent the wrong modifacation of molding parameters
>> Input point and output point detection and I/O online simulation function, to quickly confirm the machine running status
>> Multiple standby sockets (5-pin 32AX1 + 5-pin I6AX1 + 3-pin multi-function X1)
>> Standard with the hopper and product-out detection for 120EKH-450EKH
>> Emergency stop protection for front doors and backdoors for all series, mold areaemergency stop protection for 1200EKH-4000EKH
>> Alarm light with audible prompt

Others

>> Bole standard color
>> Adjustable shock absorbers for the machine base
>> Accessory box
>> Common tools
>> Damageable spare parts

Hydraulic Unit

>> Servo energy saving system
>> Oil temperature detection, and oil temperature deviation automatic alarm
>> Motor overload protection function
>> With self-sealing oil absorption filter for above 530EKH
>> Core pulling device
120-700EKH: Standard 1 set reserved 1 set (on movable platen)
800-1850EKH: Standard 2 sets (on stationary platen) and 1 set reserved (on movable platen)
2200-4000EKH:Standard 2 sets(1 set on stationary platen and 1 set on movable platen) and 2 sets reserved ((1 set on stationary platen and 1 set on movable platen)
>> Quick plug for mold cooling water (Φ 10)
120-250EKH: Standard with 1 set, 4-4;
300-450EKH: Standard with 1 set, 6-6;
530-900EKH: Standard with 1 set, 9-9
1000-4000EKH: Standard with 2 set,9-9 and 8-8

Injection Unit

>> High-efficiency plasticizing screw and barrel with high-quality nitrided steel
>> Screw anti-cold-start delay setting, timing heating and automatic heat preservation function
>> High-quality and large-torque hydraulic motor
>> Leakproof function when the screw is backward
>> Twin carriage cylinder design
>> High rigidity support structure for injection unit
>> Trimming function of nozzle centralization
>> High-precision electronic ruler to control the injection stroke
>> Six-section injection, five-section pressure hold, five-section material charging, pressure/speed adjustable
>> Screw speed detection
>> Automatic material cleaning function
>> Proportioned back pressure for plasticizing
>> Centralized lubrication for 1000EKH and above
>> Feeding platform for 1000EKH and above
>> Additional extension nozzle (120EKH-700EKH extend 50mm, 800EKH-4000EKH extend 100mm)

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

Optional Configuration Menu of BL EKH series

Clamping Unit

>> Bigger mould height
>> Bigger eject force
>> Bigger eject stroke
>> Wider machine cover& door
>> With mould open mechanical limit
>> With mould heat shield plate
>> Non-standard mould screw holes(Japanese standard, SPI, ect.)
>> T slot platen(120-4000EKH)
>> Mould hanging formwork
>> Hydraulic/electric rotating demould device (twisted tooth device)

Injection Unit

>> Increase/decrease of shot volume
>> Bigger / smaller plasticizing motor
>> Chrome plating/bimetallic screw components
>> PVC,PET,PC,PA,bakelite,etc all kinds of special plasticizing unit
>> Pneumatic/hydraulic/spring self-locking nozzle
>> Accumulator inject(ACC)
>> Gas-assisted/wit interface
>> Sequential injection device
>> Differential high-speed injection device
>> Hot runner control built in

Hydraulic Unit

>> Increase/decrease power system
>> Increase the oil cooler
>> The hydraulic/pneumatic core-pulling device
>> Pneumatic ejection device
>> Simultaneous ejection/core-pulling device
>> Simultaneous plasticizing
>> The oil temperature automatic control function
>> The oil temperature preheating function
>> Equipped with hydraulic/pneumatic core-pulling device
>> Install bypass filter

Optional Auxiliary

>> Robot
>> Hopper dryer
>> Dehumidifier
>> Crusher
>> Mould temperature controller
>> Magnetic shelf
>> Auto-loader
>> Mould cooling flow meter glass tube

Electrical Control Unit

>> The (Euro map) robot interface
>> IML interface
>> Change the voltage and frequency
>> The change of control system
>> Add working lamp
>> Hot runner controllers

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