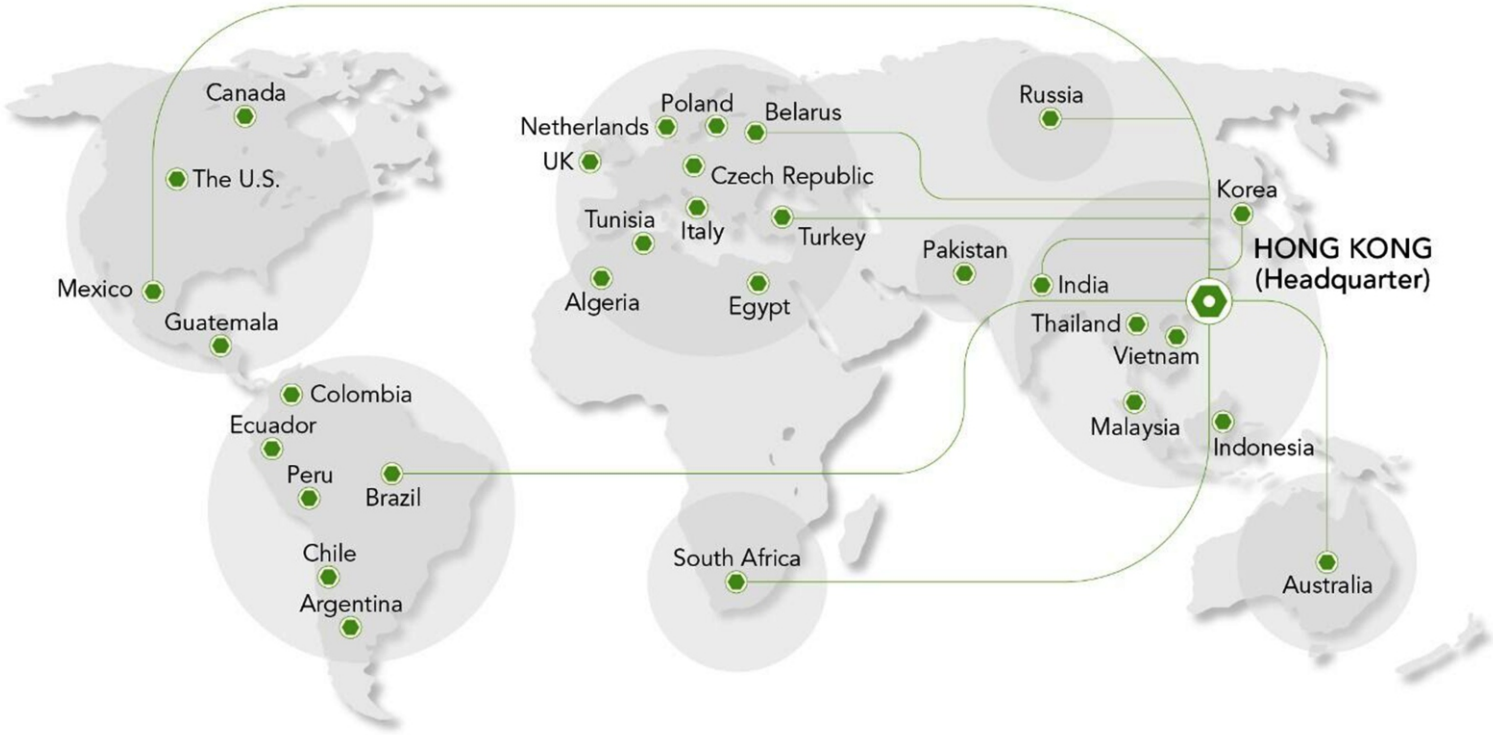
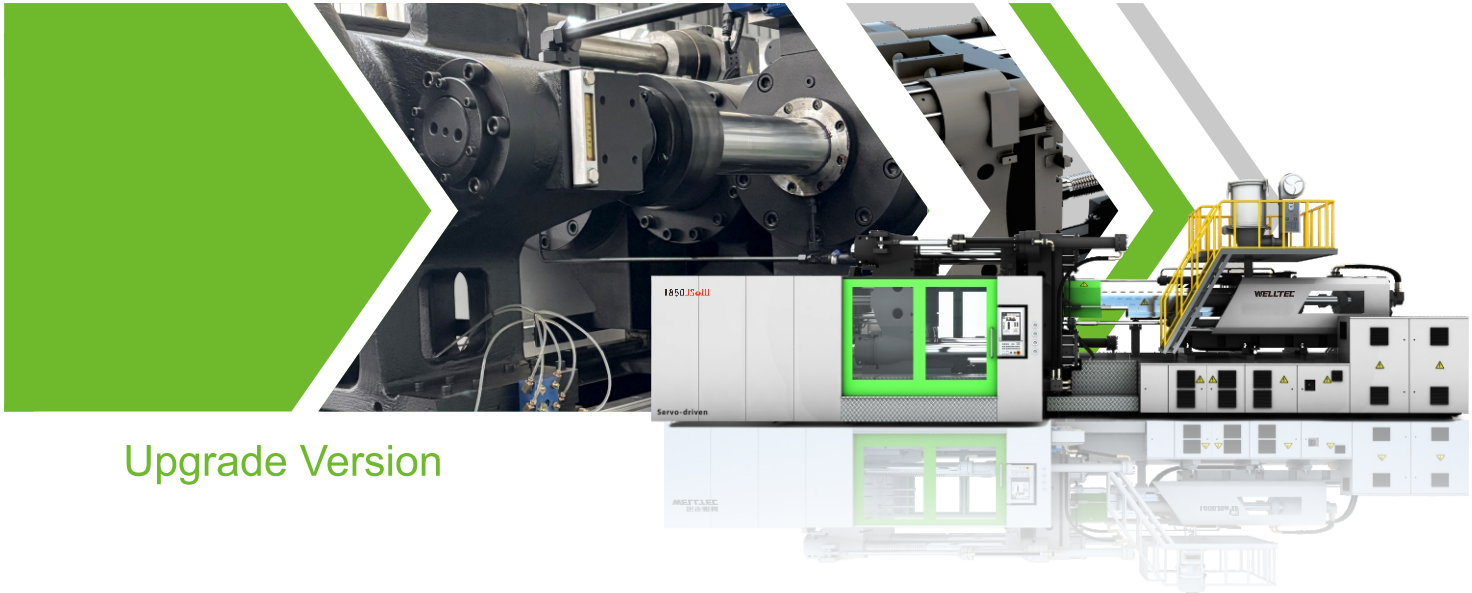


Our offices and agents



1000-4500JSeIII

Ultra Large-sized Servo-driven Two-platen Injection Moulding Machine



Upgrade Version

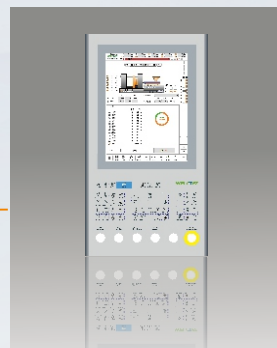
Welltec Machinery Ltd

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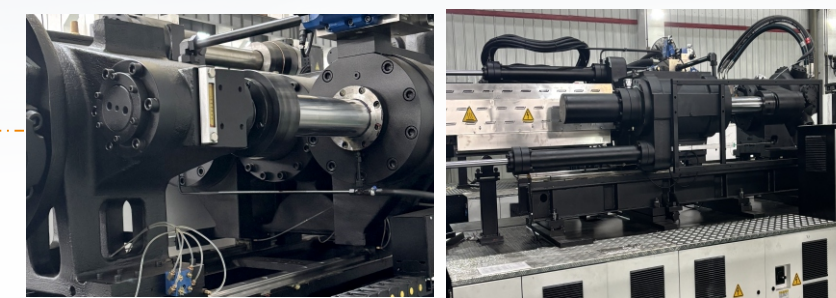
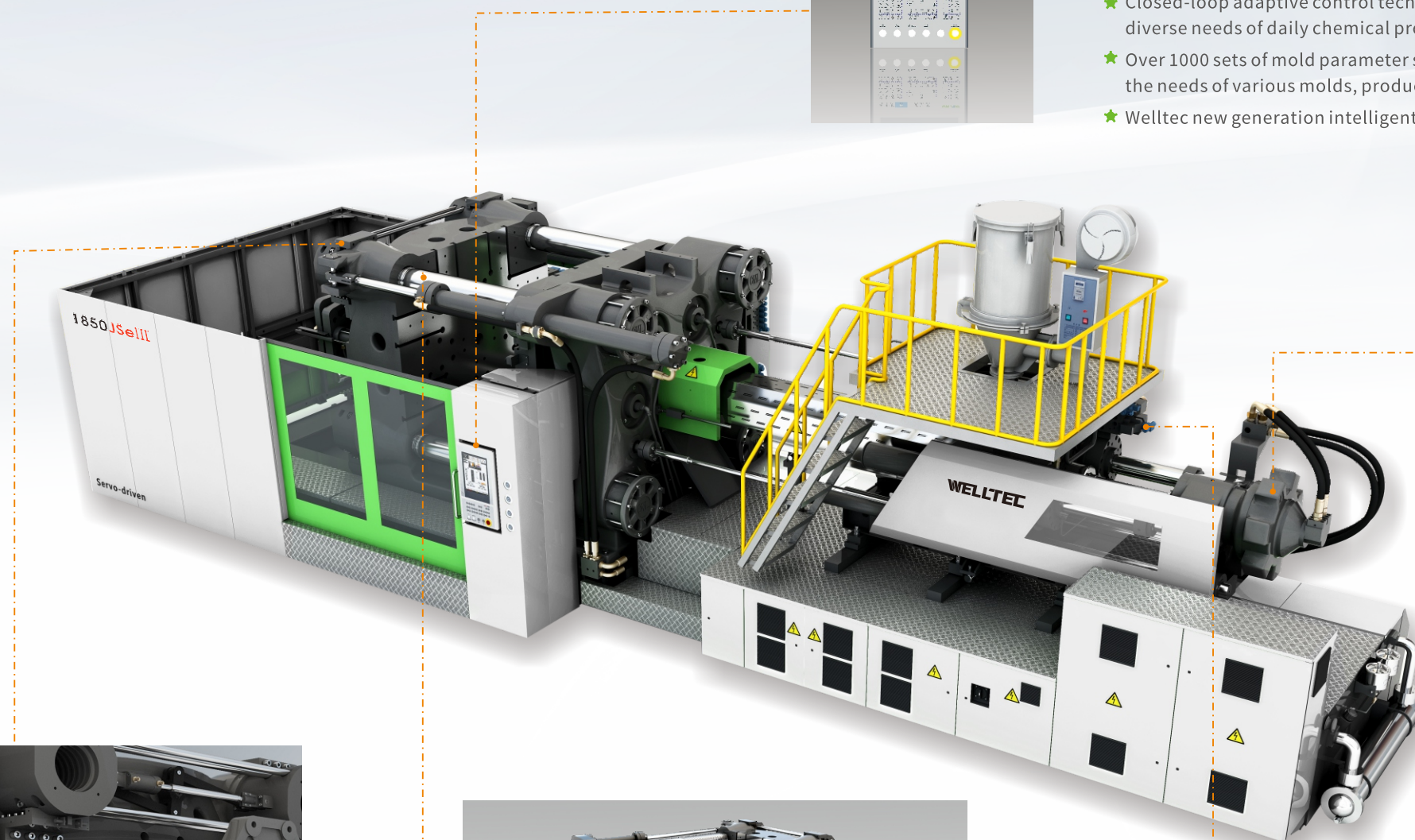
1000-4500JSeIII

Ultra Large-sized Servo-driven Two-platen Injection Moulding Machine



KEBA control system

- ★ Standard equipped with new KEBA special control system to achieve superlative machine control performance.
- ★ 15" TFT color touch screen with perfect ergonomic design. Easy to operate and maintain.
- ★ Closed-loop adaptive control technology to ensure stable and accurate movement of the machine. Meet the diverse needs of daily chemical products, electronics, home appliance, auto parts and other industries.
- ★ Over 1000 sets of mold parameter storage and built-in a large number of commonly-used control functions to meet the needs of various molds, products and molding processes. Easy for clients to use.
- ★ Welltec new generation intelligent system to enable industrial evolution and build a digital future.



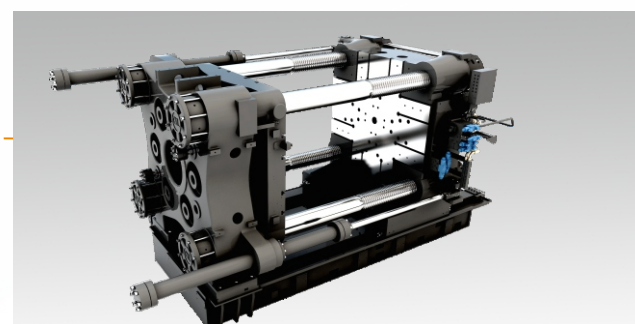
State-of-art injection unit designs

- ★ New injection unit with compact structure and high rigidity.
- ★ Modular designs to allow mix-and-match with unparalleled flexibility between injection and clamping units for catering wide range of injection shot weights and molding needs and enabling a short production lead time.
- ★ Double cylinder injection carriage and barrel support to avoid vertical positional shifts and enable easy adjustments. Stable injection unit movements and accurate volumetric injection controls to make sure the parts are precisely molded.
- ★ High-strength guide rail to reduce deformation of the injection unit. Maintenance work at the screw and barrel is serviceman-friendly due to the swiveling injection design.



Accurate tie-bars locking with zero shocks

Locking nuts are linked by connecting rods. They are highly synchronized and moving swiftly. Buffering mechanism is equipped to ensure low noise and zero shocks.



Six cylinders direct clamping structure

Mold open/close and high pressure clamping are done by two group of mechanical structures. Machine motion stability is greatly enhanced. Six cylinders aligned hexagonally behind the moving platen act directly on the mold mounting surface, which contributes to less mold deformation and better mold protections, thus minimizing product defective rates.



High-response proportional valve

- ★ The hydraulic system uses a high-response proportional valve to improve the accuracy and stability of the mold open/close. This also shortens the break response time.

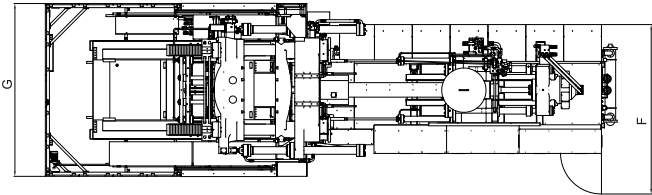
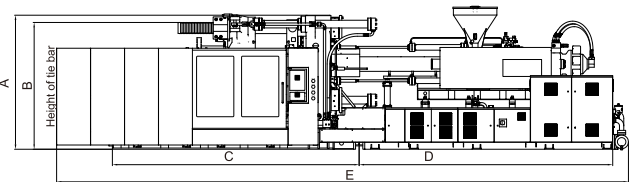
Specifications

ITEM	UNIT	1000JSeIII				1200JSeIII				1300JSeIII			
INJECTION UNIT													
Screw diameter	mm	100	110	120	130	100	110	120	130	110	120	130	140
Theoretical shot volume	cm³	4163	5037	5994	7035	4163	5037	5994	7035	5417	6447	7566	8774
Shot weight (PS)	g	3746	4533	5395	6331	3746	4533	5395	6331	4875	5802	6809	7897
Length/Diameter ratio	L/D	24.2	22.0	20.2	18.6	24.2	22.0	20.2	18.6	24.0	22.0	20.3	18.9
Injection pressure (high pressure and low speed)	MPa	212	175	147	125	212	175	147	125	203	171	145	125
Injection pressure (low pressure and high speed)	MPa	197	162	137	116	197	162	137	116	186	156	133	115
Injection rate (high pressure and low speed)	cm³/sec	827	1000	1190	1397	827	1000	1190	1397	1077	1282	1505	1745
Injection rate (low pressure and high speed)	cm³/sec	890	1077	1282	1505	890	1077	1282	1505	1176	1399	1642	1905
Plasticizing capacity (PS)	g/s	94	114	145	186	94	114	145	186	114	145	186	234
Injection stroke	mm	530				530				570			
Screw speed	rpm	115				115				115			
Injection unit force	ton	20				20				20			
Carriage stroke	mm	1020				1020				1050			
CLAMPING UNIT													
Clamping force	ton	1000				1200				1300			
Opening force	ton	106.1				130.7				139.6			
Opening force	ton	33				33				33			
Max. daylight	mm	2400				2650				2850			
Clamping stroke	mm	1200-1800				1400-2050				1500-2200			
Distance btwn. tie bars	mm	1210x1060				1310x1160				1410x1260			
Min.mould dimension	mm	840x740				910x810				980x880			
Mould thickness range	mm	600~1200				600~1250				650~1350			
Max. mold weight	ton	15				20				23			
Ejector force	ton	29.8				29.8				33			
Ejector stroke	mm	300				350				350			
No. of ejector pins	unit	21				21				29			
Dry Cycle (Euromap 6)	S	5.7				6.5				6.8			
POWER UNIT													
No. of heating zones	unit	5+1				5+1				5+1			
Major motor	kW	102.6				102.6				134.8			
Heating power	kW	84.41				84.41				106.38			
Total power	kW	188.01				188.01				242.18			
Total current	A	228.5				228.5				294.4			
OTHERS													
Machine weight	ton	46.5				51.4				60			
Oil filling capacity	L	1200				1200				1600			
Maching dimension	mm	9970X3345X2465				10179X3465X2565				11073X3570X2674			

■ We are always working on improvement and reserve the right to change design and specifications without prior notice

Machine Dimensions

1000JSeIII -1300JSeIII

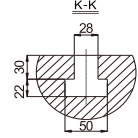
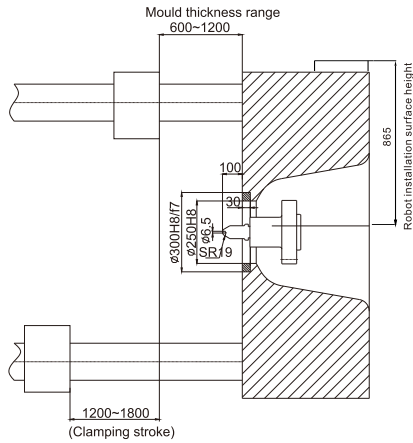
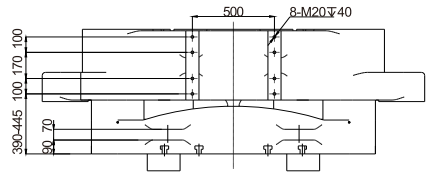
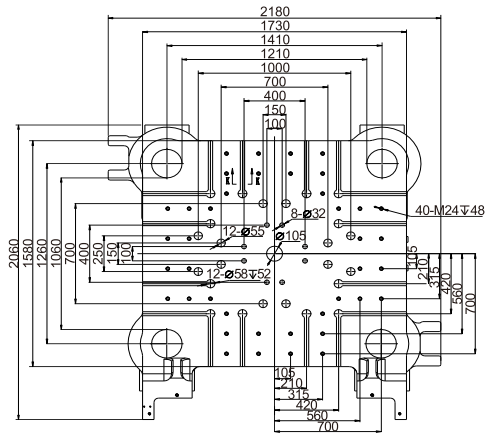


Model:	A	B	C	D	E	F	G
1000JSeIII	2465	2330	4597	4741	9970	3135	3345
1200JSeIII	2565	2400	4856	4741	10179	3135	3465
1300JSeIII	2674	2524	5115	5205	11073	3204	3570

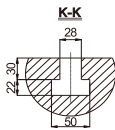
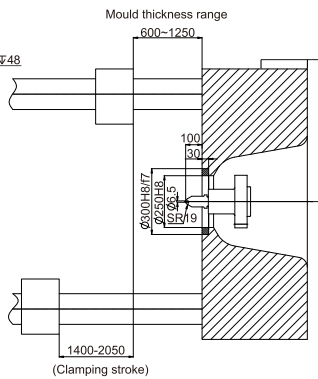
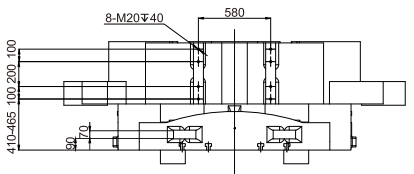
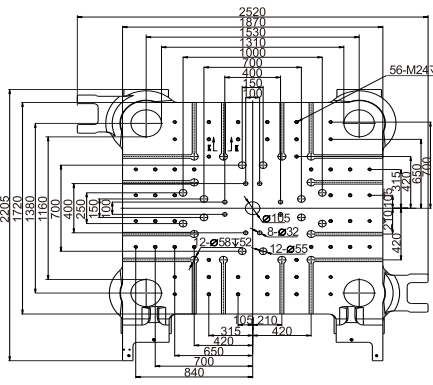
Remark: C-hopper height for reference only

Platen/Nozzle Dimensions

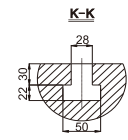
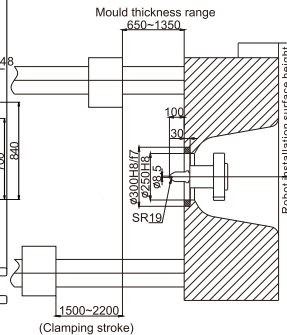
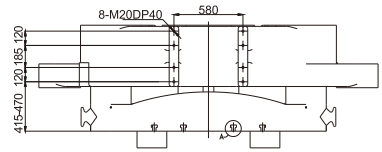
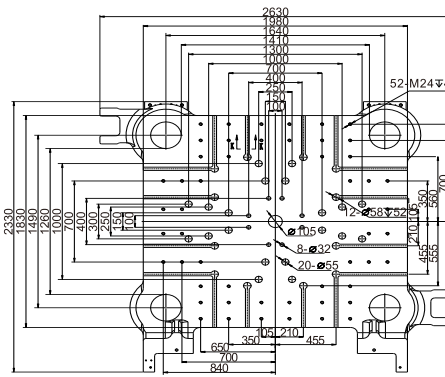
1000JSeIII



1200JSeIII



1300JSeIII





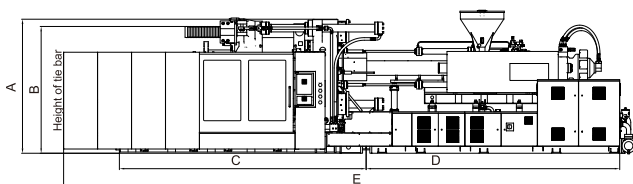
Specifications

ITEM	UNIT	1400JSeIII				1600JSeIII			1850JSeIII		
INJECTION UNIT											
Screw diameter	mm	110	120	130	140	130	140	150	130	140	150
Theoretical shot volume	cm ³	5417	6447	7566	8774	8628	10006	11486	8628	10006	11486
Shot weight (PS)	g	4875	5802	6809	7897	7765	9005	10338	7765	9005	10338
Length/Diameter ratio	L/D	24.0	22.0	20.3	18.9	22.6	21.0	19.6	22.6	21.0	19.6
Injection pressure (high pressure and low speed)	MPa	203	171	145	125	199	171	149	199	171	149
Injection pressure (low pressure and high speed)	MPa	186	156	133	115	174	150	131	174	150	131
Injection rate (high pressure and low speed)	cm ³ /sec	1077	1282	1505	1745	1452	1684	1934	1452	1684	1934
Injection rate (low pressure and high speed)	cm ³ /sec	1176	1399	1642	1905	1660	1925	2210	1660	1925	2210
Plasticizing capacity (PS)	g/s	114	145	186	234	178	223	265	178	223	265
Injection stroke	mm	570				650			650		
Screw speed	rpm	115				110			110		
Injection unit force	ton	20				29.5			29.5		
Carriage stroke	mm	1050				1200			1200		
CLAMPING UNIT											
Clamping force	ton	1400				1600			1850		
Opening force	ton	149.4				166.5			184.6		
Opening force	ton	33				47.5			47.5		
Max. daylight	mm	3050				3250			3300		
Clamping stroke	mm	1650-2350				1700-2550			1700-2550		
Distance btwn. tie bars	mm	1460x1360				1560x1410			1660x1560		
Min.mould dimension	mm	1020x950				1090x990			1160x1090		
Mould thickness range	mm	700~1400				700~1550			750~1600		
Max. mold weight	ton	27				33			40		
Ejector force	ton	33				43.6			43.6		
Ejector stroke	mm	350				350			400		
No. of ejector pins	unit	29				29			33		
Dry Cycle (Euromap 6)	S	7.1				7.3			7.5		
POWER UNIT											
No. of heating zones	unit	5+1				5+1			5+1		
Major motor	kW	134.8				182.3			182.3		
Heating power	kW	106.38				127.84			127.84		
Total power	kW	242.18				311.1			311.1		
Total current	A	294.4				378.2			378.2		
OTHERS											
Machine weight	ton	64				78			91		
Oil filling capacity	L	1600				2000			2000		
Maching dimension	mm	11308X3640X2775				12767X3814X2912			12940X3930X3060		

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Machine Dimensions

1400JSeIII -1850JSeIII

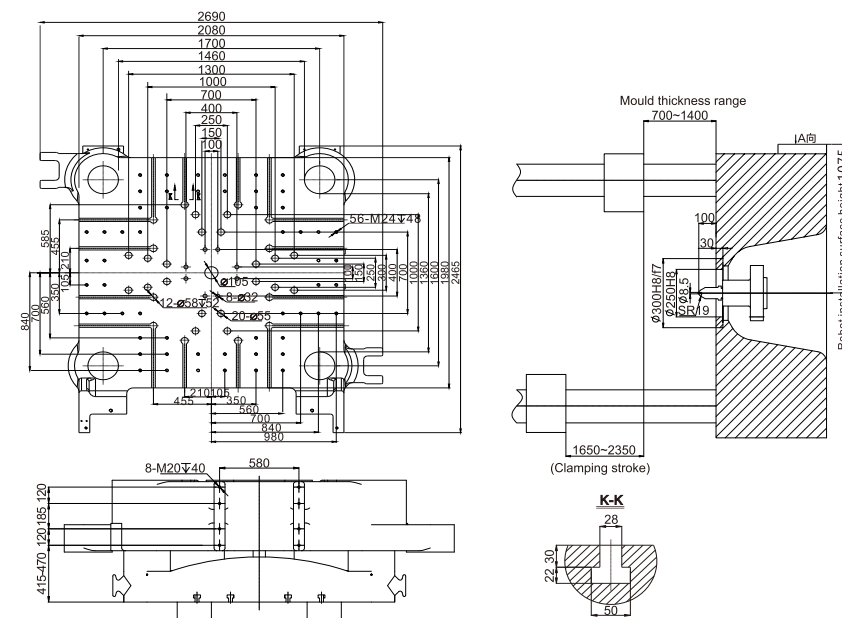


Model:	A	B	C	D	E	F	G
1400JSeIII	2775	2615	5320	5205	11308	3204	3640
1600JSeIII	2912	2749	5645	5887	12767	3404	3814
1850JSeIII	3060	2890	5845	5847	12940	3404	3930

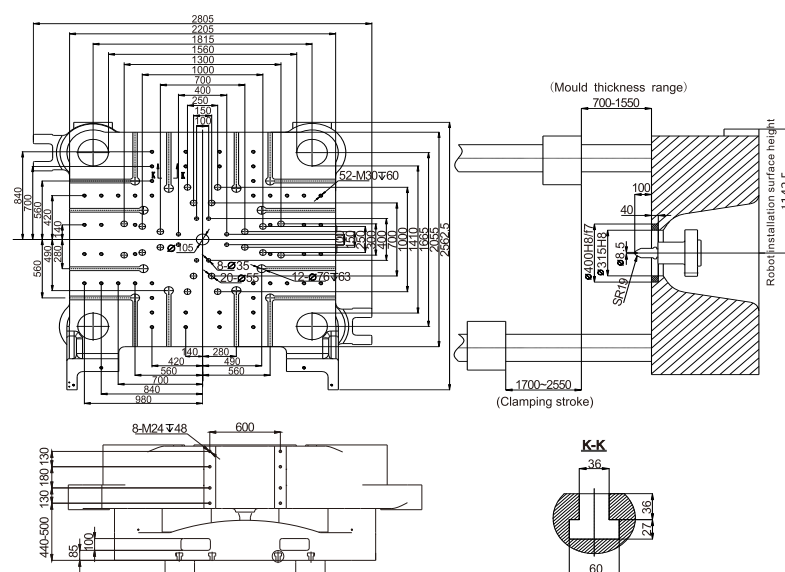
Remark: C-hopper height for reference only

Platen/Nozzle Dimensions

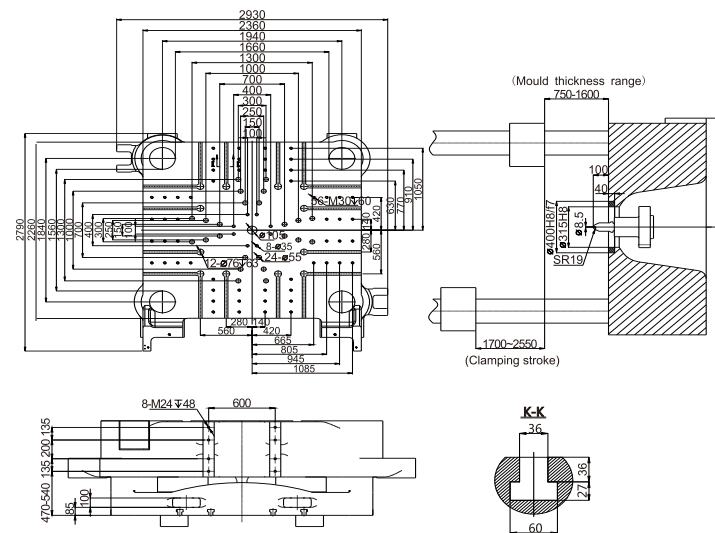
1400JSeIII



1600JSeIII



1850JSeIII



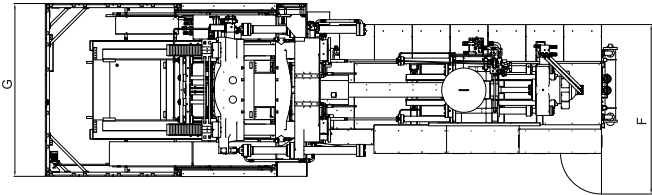
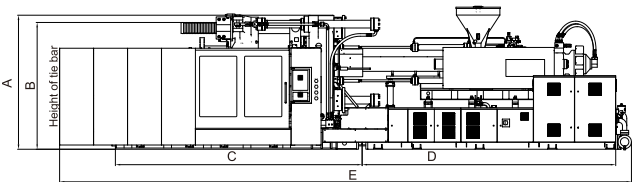
Specifications

ITEM	UNIT	2100JSeIII				2400JSeIII			2850JSeIII	
INJECTION UNIT										
Screw diameter	mm	140	150	160	170	160	170	185	185	200
Theoretical shot volume	cm³	10776	12370	14074	15889	20106	22698	26880	29568	34558
Shot weight (PS)	g	9698	11133	12667	14300	18096	20428	24192	26612	31102
Length/Diameter ratio	L/D	23.6	22.0	20.6	19.4	22.3	21	19.3	22.7	21.0
Injection pressure (high pressure and low speed)	MPa	193	168	148	131	197	174	147	173	148
Injection pressure (low pressure and high speed)	MPa	172	150	131	116	173	153	130	155	133
Injection rate (high pressure and low speed)	cm³/sec	1496	1717	1953	2205	1667	1882	2228	1899	2219
Injection rate (low pressure and high speed)	cm³/sec	1682	1931	2197	2480	1894	2138	2532	2115	2472
Plasticizing capacity (PS)	g/s	203	241	291	356	233	285	334	251	294
Injection stroke	mm	700				1000			1100	
Screw speed	rpm	100				80			60	
Injection unit force	ton	29.5				37.5			31.7	
Carriage stroke	mm	1250				1250			1370	
CLAMPING UNIT										
Clamping force	ton	2100				2400			2850	
Opening force	ton	233.8				238.6			300.3	
Opening force	ton	47.5				47.5			53.9	
Max. daylight	mm	3500				3800			4100	
Clamping stroke	mm	1800-2700				2000-3000			2200-3200	
Distance btwn. tie bars	mm	1850x1600				2020x1620			2000x1800	
Min.mould dimension	mm	1295x1120				1410x1130			1400x1260	
Mould thickness range	mm	800-1700				800-1800			900~1900	
Max. mold weight	ton	50				60			70	
Ejector force	ton	43.6				55.7			53.9	
Ejector stroke	mm	450				500			500	
No. of ejector pins	unit	25				21			21	
Dry Cycle (Euromap 6)	S	7.8				8			12.5	
POWER UNIT										
No. of heating zones	unit	5+1				5+1			5+1	
Major motor	kW	182.3				202.2			202.2	
Heating power	kW	157.84				183.63			190.66	
Total power	kW	341.14				386.8			393.9	
Total current	A	414.7				470.2			478.7	
OTHERS										
Machine weight	ton	100				140			165	
Oil filling capacity	L	2000				2200			2200	
Maching dimension	mm	14163X4130X3245				15236X4290X3415			15340X4730X3960	

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Machine Dimensions

2100JSeIII -2850JSeIII

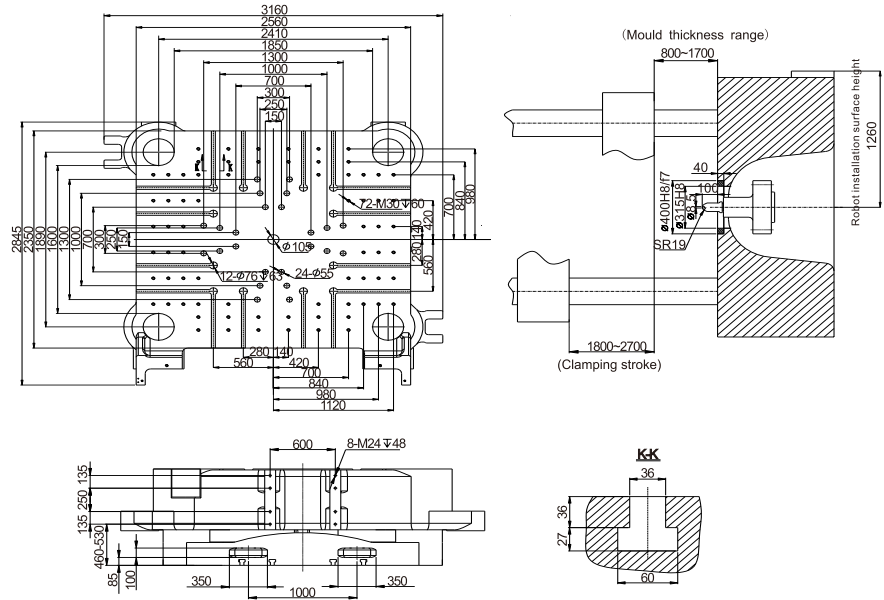


Model:	A	B	C	D	E	F	G
2100JSeIII	3245	3000	6025	6380	14163	3495	4130
2400JSeIII	3415	3175	6580	6958	15236	3703	4290
2850JSeIII	3960	3600	7320	6882	15340	4333	4730

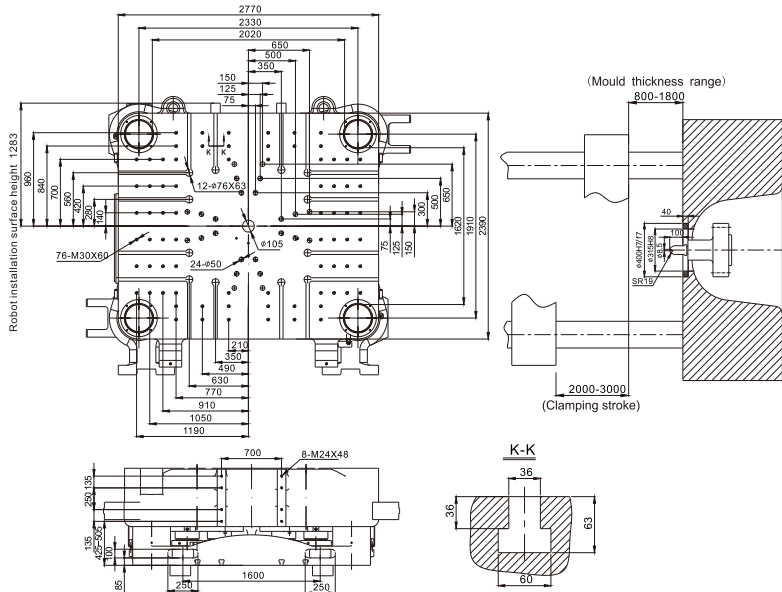
Remark: C-hopper height for reference only

Platen/Nozzle Dimensions

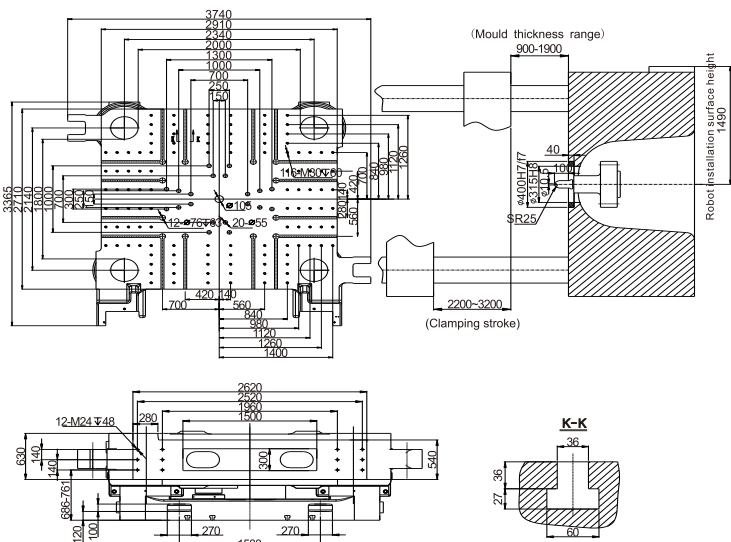
2100JSeIII



2400JSeIII



2850JSeIII





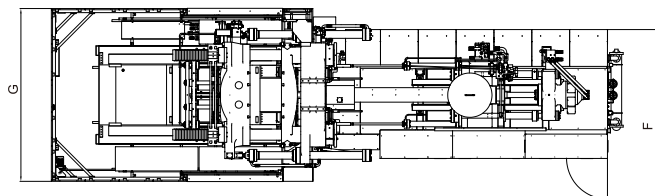
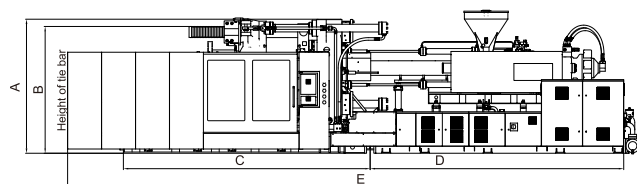
Specifications

ITEM	UNIT	3350JSeIII	4000JSeIII	4500JSeIII
INJECTION UNIT				
Screw diameter	mm	215	240	260
Theoretical shot volume	cm ³	45381	56775	69021
Shot weight (PS)	g	40843	51097	62119
Length/Diameter ratio	L/D	21.0	21.0	20.0
Injection pressure (high pressure and low speed)	MPa	136	160	161
Injection pressure (low pressure and high speed)	MPa	111	127	129
Injection rate (high pressure and low speed)	cm ³ /sec	2687	3177	3706
Injection rate (low pressure and high speed)	cm ³ /sec	3280	3979	4636
Plasticizing capacity (PS)	g/s	324	324	330
Injection stroke	mm	1250	1255	1300
Screw speed	rpm	55	45	40
Injection unit force	ton	31.7	34	34
Carriage stroke	mm	1550	1770	1770
CLAMPING UNIT				
Clamping force	ton	3350	4000	4500
Opening force	ton	352.3	432.7	432.7
Opening force	ton	70.3	109.9	109.9
Max. daylight	mm	4160	4370	4400
Clamping stroke	mm	2160-3160	2260-3270	2000-3400
Distance btwn. tie bars	mm	2160x1900	2420x2020	2420x2020
Min.mould dimension	mm	1510x1330	1690x1410	1690x1410
Mould thickness range	mm	1000~2000	1100~2110	1000~2400
Max. mold weight	ton	75	86	95
Ejector force	ton	61.8	61.8	61.8
Ejector stroke	mm	550	550	550
No. of ejector pins	unit	29	29	29
Dry Cycle (Euromap 6)	S	13.2	15.4	16.8
POWER UNIT				
No. of heating zones	unit	6+1	6+1	6+1
Major motor	kW	284.6	365.2	432.6
Heating power	kW	222.09	285.75	300
Total power	kW	507.69	651.95	733.6
Total current	A	617.1	792.5	891.7
OTHERS				
Machine weight	ton	195	250	270
Oil filling capacity	L	2800	4000	4000
Maching dimension	mm	17316X4730X4135	19441X5242X4475	21773X6290X4690

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Machine Dimensions

3350JSeIII -4500JSeIII

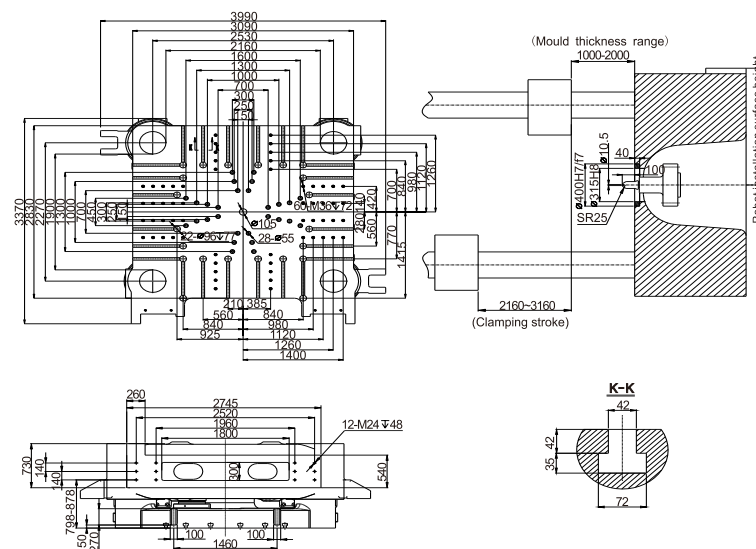


Model:	A	B	C	D	E	F	G
3350JSeIII	4135	3795	7735	8357	17316	4333	4730
4000JSeIII	4475	4375	7770	10702	19441	4306	5242
4500JSeIII	4690	4065	9751	10972	21773	4782	6290

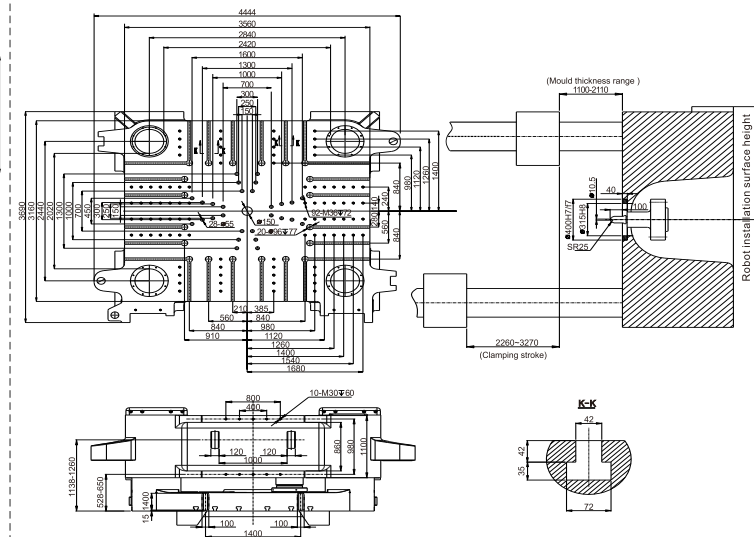
Remark: C-hopper height for reference only

Platen/Nozzle Dimensions

3350JSeIII



4000JSeIII



4500JSeIII

