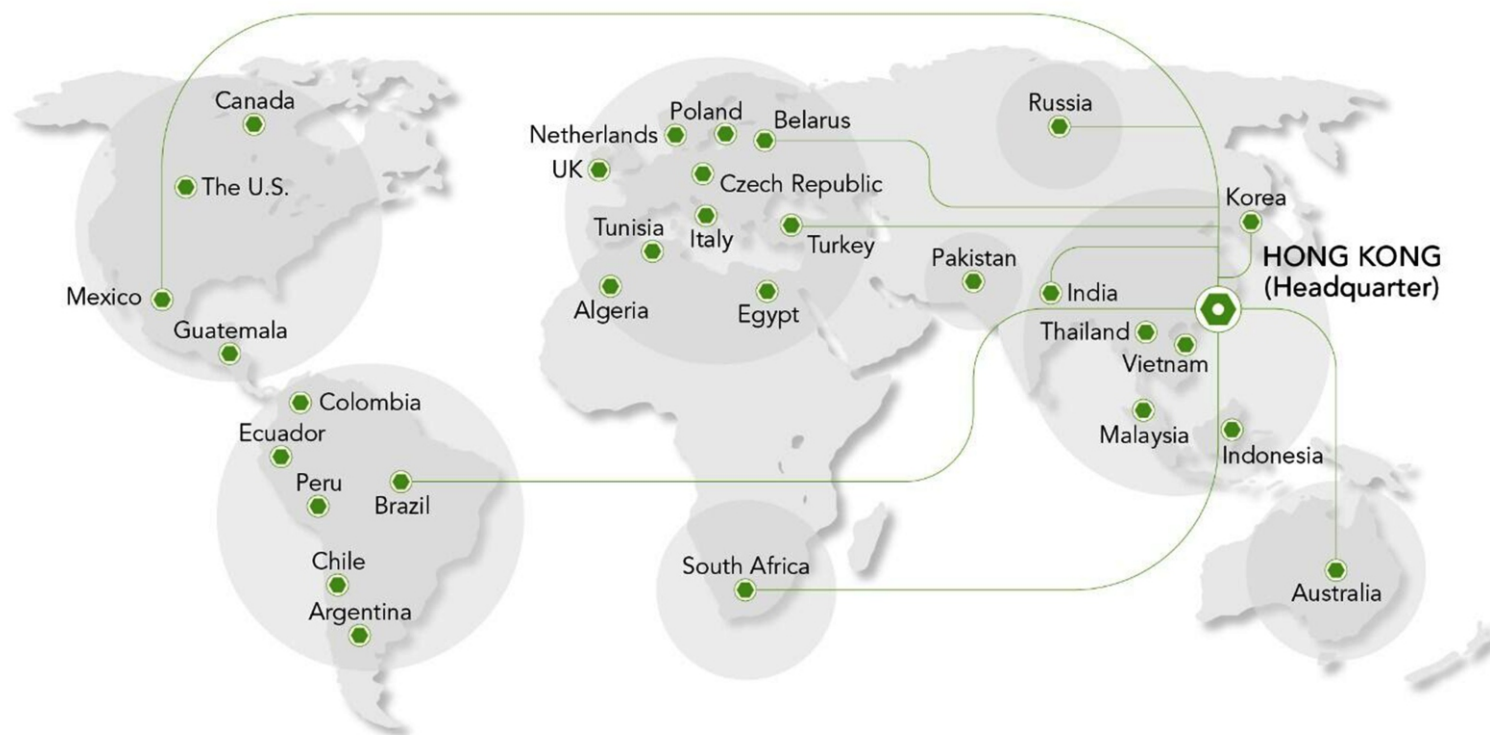



Our offices and agents



 **CPMIA**  
Energy Saving Award

**WELLTEC**

**Se5** | Specification  
90-1000T

Ultra performer.  
Minimized Consumption



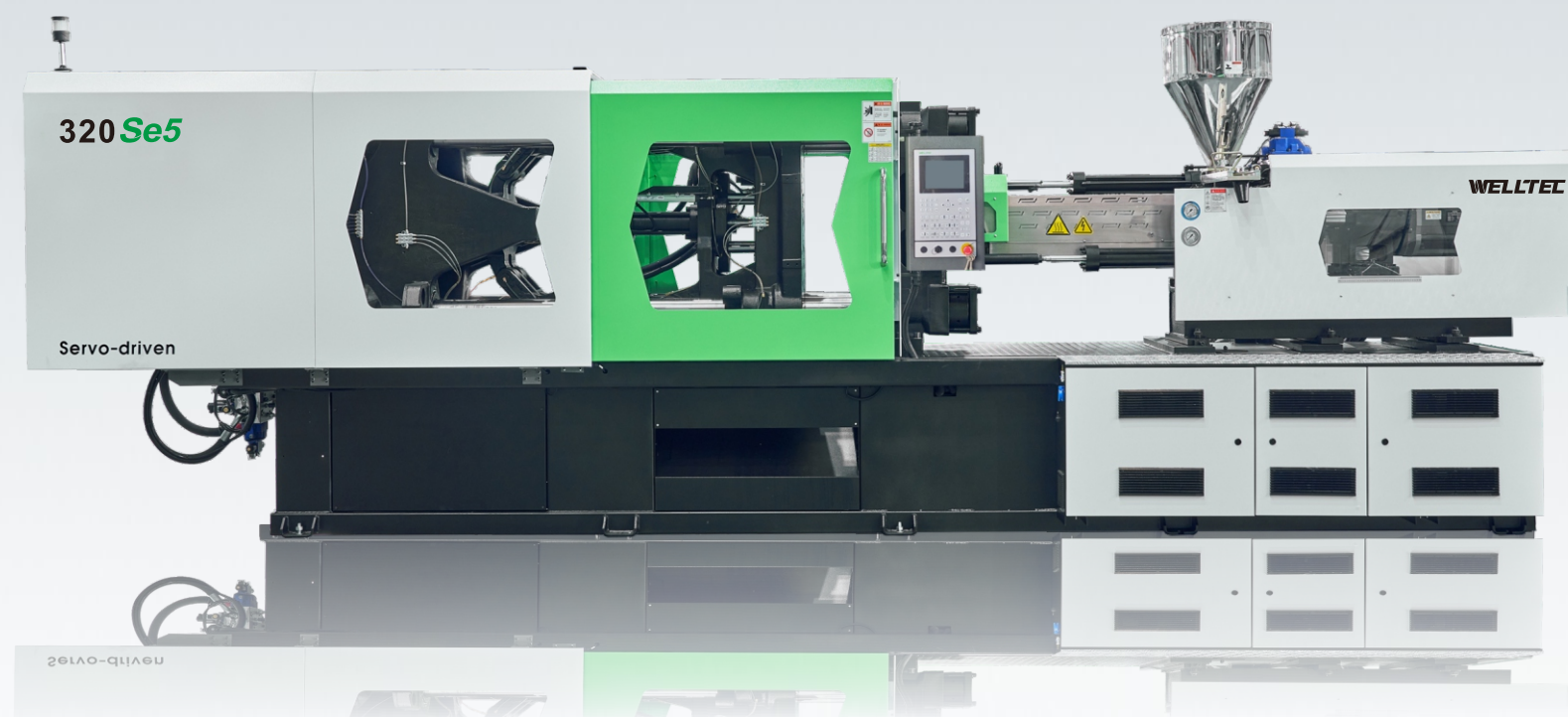
**Welltec Machinery Ltd**

   [www.welltec.com.hk](http://www.welltec.com.hk)



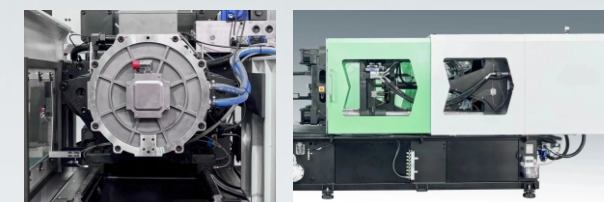
[www.welltec.com.hk](http://www.welltec.com.hk)

## The ultra performer **Se5** officially launched



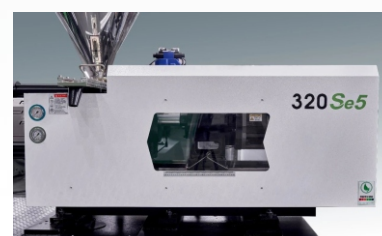
### Increased speed and efficiency. Reduced energy consumption

- Equipped with electric plasticizing as the standard, plasticizing capacity is increased by 20%-45%
- The speed of different models is increased by 15%-25% to shorten the molding cycle and improve production efficiency
- The energy consumption of the whole machine is reduced by 20%
- Newly optimized hydraulic pipeline design to minimize energy consumption loss, avoid rising oil temperature and reduce consumption of cooling water



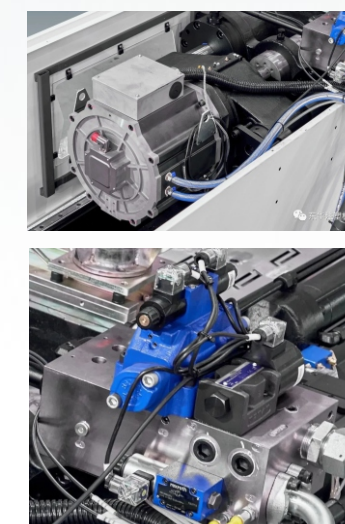
### Optimized design and innovative technology

- Combined power to refine the movement, reduced energy consumption by optimized power configuration
- Decent and robust machine
- Ergonomically optimized design of the clamping unit to make it durable and meet the high-intensity production requirements
- The optimized hinge movement is ultra smooth, and the ending position of mold opening features high repeatability and accuracy
- New injection unit design with better performance to meet higher processing requirements for various products



### Upgraded configuration and intelligent control

- Efficient and stable servo hydraulic system
- Special control system for high precision injection molding machine, with fast response and better machine control performance
- 10.4" TFT color touchscreen display. 9 main function screen, convenient for operation and maintenance
- Closed-loop control for mold open/close, injection, plasticizing and ejector to ensure the machine to run smoothly and accurately
- Built-in a number of commonly used control functions to meet the needs of different molds, products and molding processing requirements





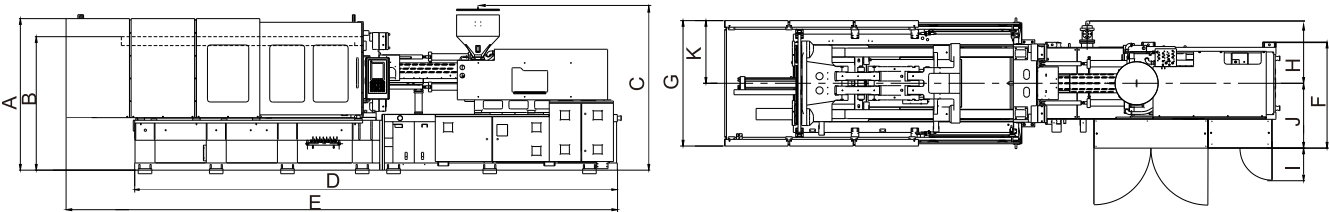
Specifications

ITEM	UNIT	90Se5			130Se5			160Se5			200Se5		
		900-312			1300-433			1600-629			2000-871		
Injection unit													
Screw diameter	mm	30	35	40	35	40	45	40	45	50	45	50	60
Theoretical shot volume	cc	124	168	220	192	251	318	283	358	442	398	491	707
Shot weight (PS)	g	113	153	200	175	229	289	257	326	402	362	447	643
Shot weight (PS)	oz	4.0	5.4	7.1	6.2	8.1	10.2	9.1	11.5	14.2	12.8	15.8	22.7
Length/Diameter ratio	L/D	24	20.6	18	23.4	20.5	18.2	22.5	20	18	24	21.6	18
Injection pressure	MPa	254	186	143	225	172	136	223	176	142	219	177	123
Injection rate	cm <sup>3</sup> /sec	83	113	147	114	149	189	147	187	230	185	228	328
Max. screw speed	rpm	350			300			290			270		
Plasticizing capacity ( PS)	g/s	16.5	18.3	26.9	17.4	23.7	29.2	24.5	31.7	35.5	32.8	40.8	49.9
Clamping unit													
Clamping force	Ton	90			130			160			200		
Max. daylight	mm	740			880			1000			1090		
Clamping stroke	mm	360			430			480			540		
Distance btwn. tie bars	mm	360×360			410×410			470×470			535×535		
Min. mould dimension	mm	250×250			280×280			320×320			370×370		
Mould thickness range	mm	120-380			145-450			150-520			175-550		
Ejector force	Ton	4.1			4.1			7.7			9.9		
Ejector stroke	mm	100			120			160			170		
Power Unit and General													
Pump motor	kW	16.6			16.6			22.3			22.3		
Heating power	kW	7.41			9.3			11.48			14.25		
Machine dimensions (L×W×H)	M	4.39×1.23×1.62			4.89×1.30×1.67			5.37×1.47×1.76			5.88×1.54×1.84		
Machine weight	Ton	3.27			4.16			5.68			6.97		
Oil filling capacity	L	200			200			280			300		

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

Machine Dimensions

【 90~200Se5 】

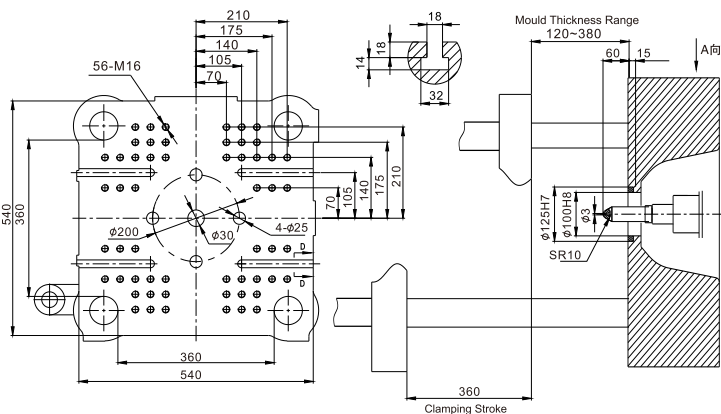


Model	A	B	C	D	E	F	G	H	I	J	K
90Se5	1615	1400	1963	3560	4220	1054	1152	625	800	635	576
130Se5	1700	1486	1936	3878	4586	1104	1203	650	800	660	601.5
160Se5	1758	1567	2050	4513	5215	1349	1302	717	800	789	651
200Se5	1833	1645	2103	4753	5598	1364	1414	752	800	824	707

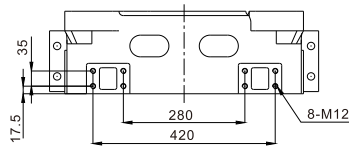
Remark: C-hopper height for reference only

Platen/Nozzle Dimensions

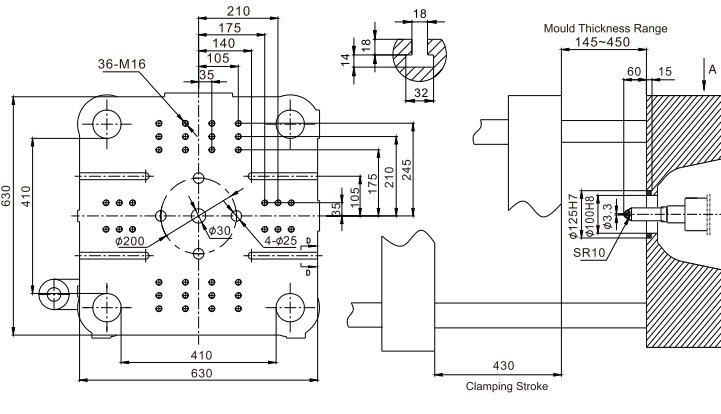
90Se5



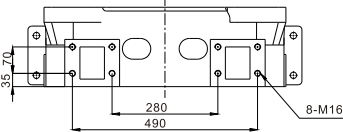
hole pattern for robot/sprue picker on fixed platen (Euromap 18-E6)



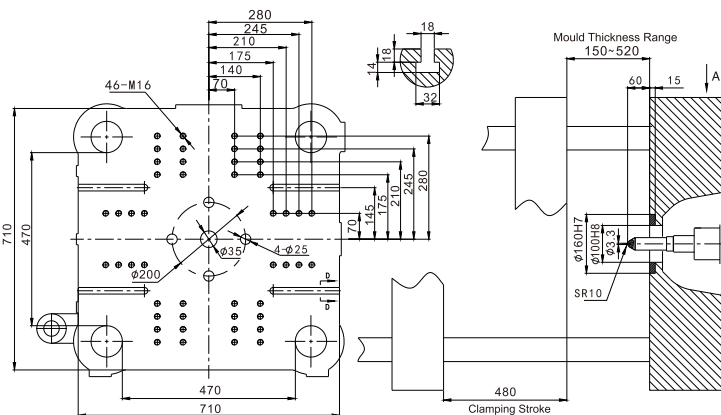
130Se5



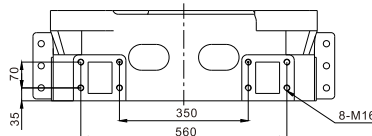
hole pattern for robot/sprue picker on fixed platen (Euromap 18-E7)



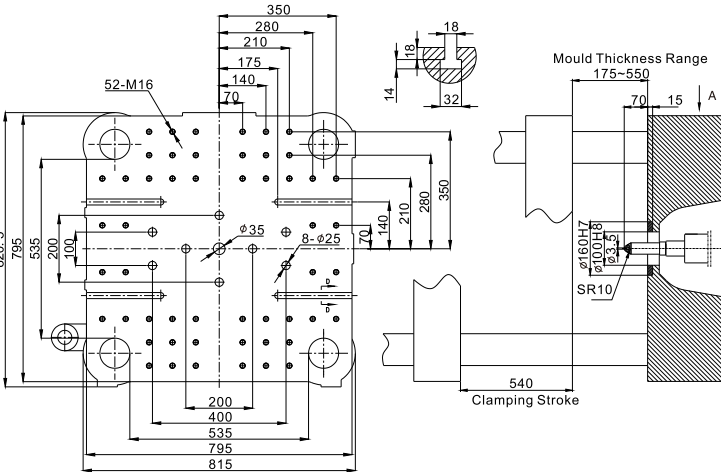
160Se5



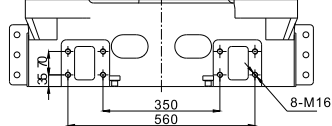
hole pattern for robot/sprue picker on fixed platen (Euromap 18-E8)



200Se5



hole pattern for robot/sprue picker on fixed platen (Euromap 18-E9)



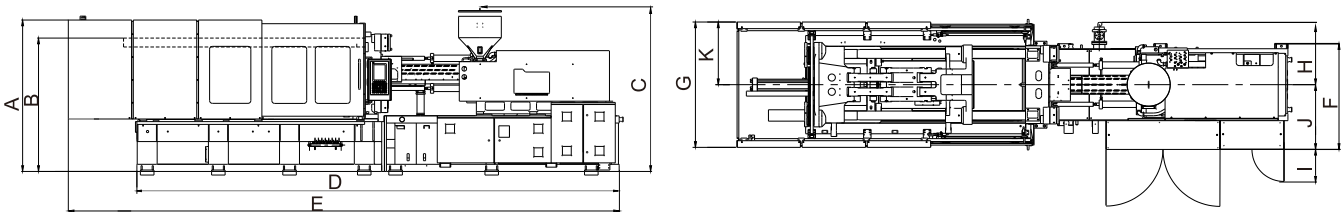
Specifications

ITEM	UNIT	260Se5			320Se5			400Se5			480Se5		
		2600-1507			3200-1930			4000-2868			4800-3508		
Injection unit													
Screw diameter	mm	55	60	65	60	65	75	65	75	85	70	80	94
Theoretical shot volume	cc	713	848	995	919	1078	1436	1244	1657	2128	1539	2011	2776
Shot weight (PS)	g	649	772	906	836	981	1307	1132	1508	1936	1401	1830	2526
Shot weight (PS)	oz	22.9	27.3	32.0	29.5	34.7	46.2	40.0	53.3	68.4	49.5	64.7	89.3
Length/Diameter ratio	L/D	22.9	21	19.4	22.5	20.8	18	23.9	20.7	18.3	24.2	21.2	18
Injection pressure	MPa	211	178	151	210	179	134	231	173	135	228	174	126
Injection rate	cm³/sec	248	295	347	306	359	477	348	463	595	410	535	739
Max. screw speed	rpm	255			240			220			200		
Plasticizing capacity ( PS)	g/s	46.9	69.2	82.4	52.8	59.2	83.4	74.8	100.5	129.9	85.4	110.7	154.2
Clamping unit													
Clamping force	Ton	260			320			400			480		
Max. daylight	mm	1210			1400			1530			1600		
Clamping stroke	mm	600			700			780			780		
Distance btwn. tie bars	mm	580×580			680×680			740×740			820×800		
Min. mould dimension	mm	400×400			470×470			520×520			570×560		
Mould thickness range	mm	195-610			250-700			250-750			300-820		
Ejector force	Ton	11.1			11.1			16.6			16.6		
Ejector stroke	mm	195			200			210			240		
Power Unit and General													
Pump motor	kW	28.1			47.7			54.3			54.3		
Heating power	kW	18.9			22.15			28.99			35.04		
Machine dimensions (L×W×H)	M	6.43×1.63×1.97			6.96×1.71×2.08			8.04×1.84×2.24			8.46×1.95×2.31		
Machine weight	Ton	8.55			11.52			14.68			16.72		
Oil filling capacity	L	450			540			700			720		

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Machine Dimensions

260~480Se5

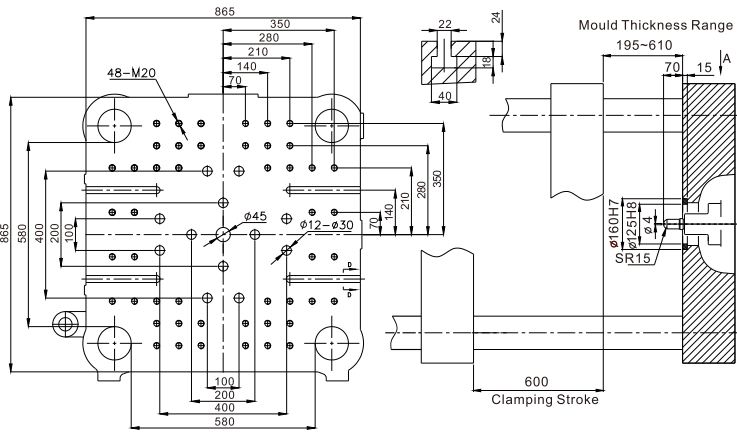


Model	A	B	C	D	E	F	G	H	I	J	K
260Se5	1961	1757	2185	5030	6072	1417	1462	810	800	852	731
320Se5	2078	1884	2267	5575	6601	1517	1592	865	800	902	796
400Se5	2176	1923	2284	6780	7744	1783	1760	874	800	909	880
480Se5	2246	1985	2336	7006	8025	1797	1874	855	800	942	937

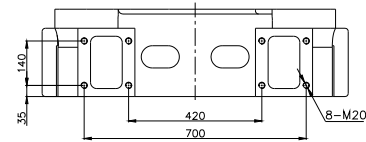
Remark: C-hopper height for reference only

Platen/Nozzle Dimensions

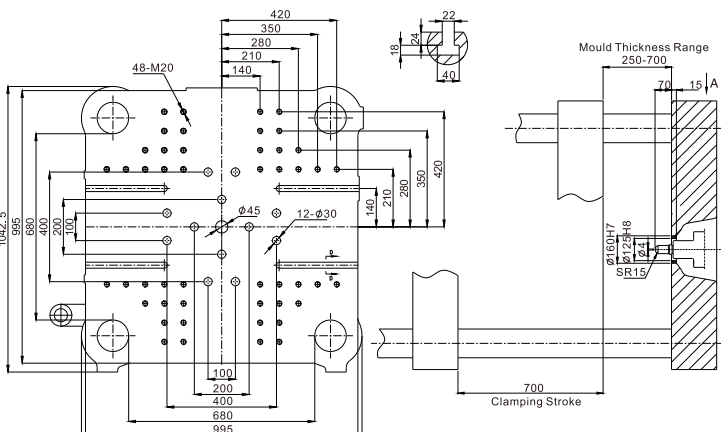
260Se5



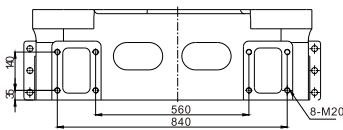
hole pattern for robot/sprue picker on fixed platen (Euromap 18-E10)



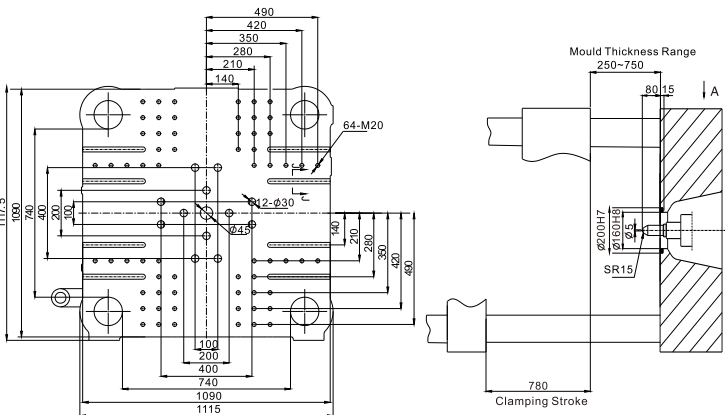
320Se5



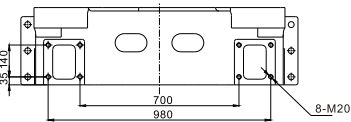
hole pattern for robot/sprue picker on fixed platen (Euromap 18-E10)



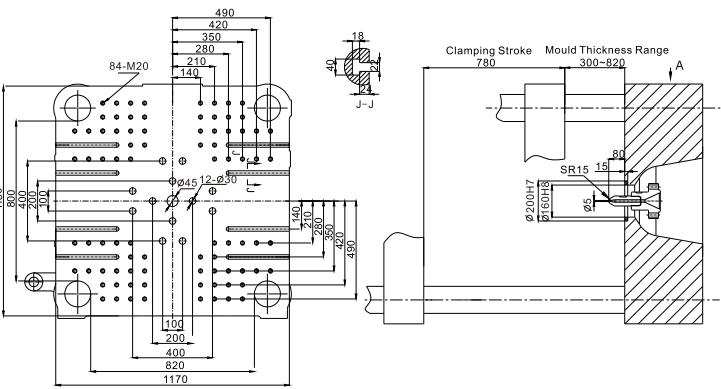
400Se5



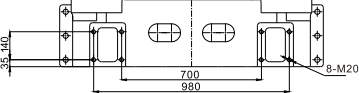
hole pattern for robot/sprue picker on fixed platen (Euromap 18-E12)



480Se5



hole pattern for robot/sprue picker on fixed platen (Euromap 18-E12)



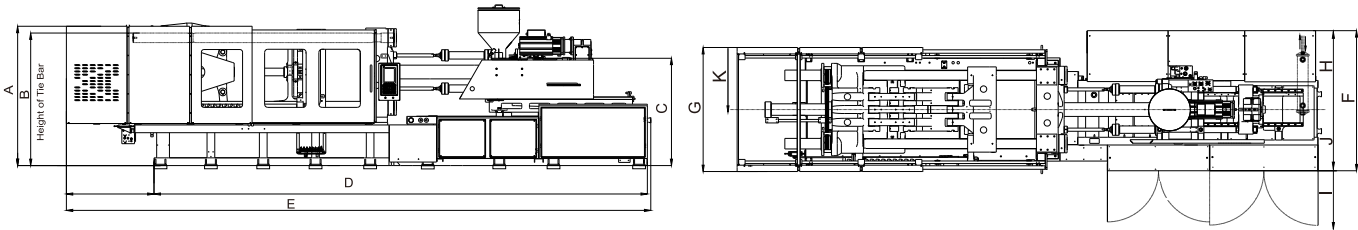
Specifications

ITEM	UNIT	530Se5			660Se5		
		5300-4762			6600-4762		
Injection unit							
Screw diameter	mm	80	90	105	80	90	105
Theoretical shot volume	cc	2212	2799	3810	2212	2799	3810
Shot weight (PS)	g	2013	2547	3467	2013	2547	3467
Shot weight (PS)	oz	71.1	90.0	122.5	71.1	90.0	122.5
Length/Diameter ratio	L/D	23.6	21	18	23.6	21	18
Injection pressure	MPa	215	170	125	215	170	125
Injection rate	cm <sup>3</sup> /sec	560	709	965	560	709	965
Max. screw speed	rpm	180			180		
Plasticizing capacity ( PS)	g/s	98.0	119.0	179.9	98.0	119.0	179.9
Clamping unit							
Clamping force	Ton	530			660		
Max. daylight	mm	1700			1830		
Clamping stroke	mm	850			910		
Distance btwn. tie bars	mm	840×830			920×920		
Min. mould dimension	mm	580×580			645×645		
Mould thickness range	mm	300-850			350-920		
Ejector force	Ton	16.6			16.6		
Ejector stroke	mm	240			290		
Power Unit and General							
Pump motor	kW	67.4			67.4		
Heating power	kW	35.73			35.73		
Machine dimensions (L×W×H)	M	9.32×1.98×2.30			9.25×2.24×2.28		
Machine weight	Ton	23			26		
Oil filling capacity	L	775			1000		

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Machine Dimensions

530 ~660Se5

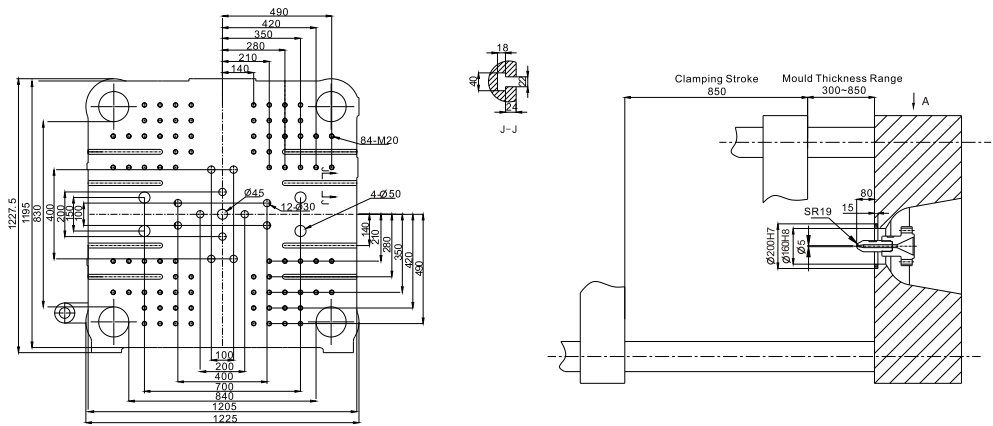


Model	A	B	C	D	E	F	G	H	I	J	K
530Se5	2244	2005	2495	7846	8995	1809	1900	865	800	945	950
660Se5	2280	2125	2545	7783	9157	2193	1942	1420	850	960	971

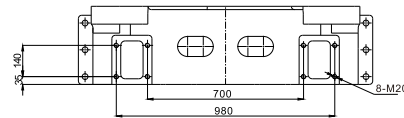
Remark: C-hopper height for reference only

Platen/Nozzle Dimensions

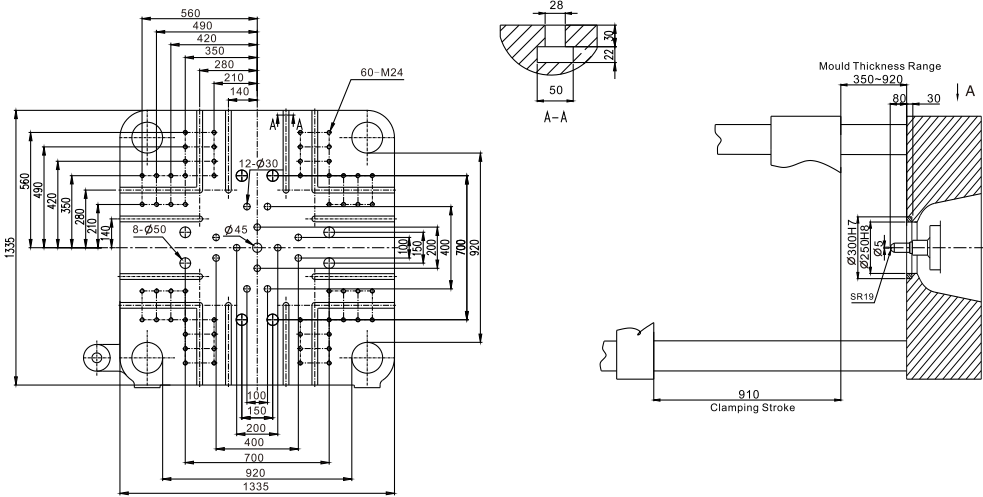
530Se5



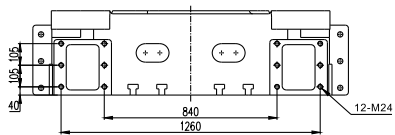
hole pattern for robot/sprue picker on fixed platen (Euromap 18-E13)



660Se5



hole pattern for robot/sprue picker on fixed platen (Euromap 18-E15)



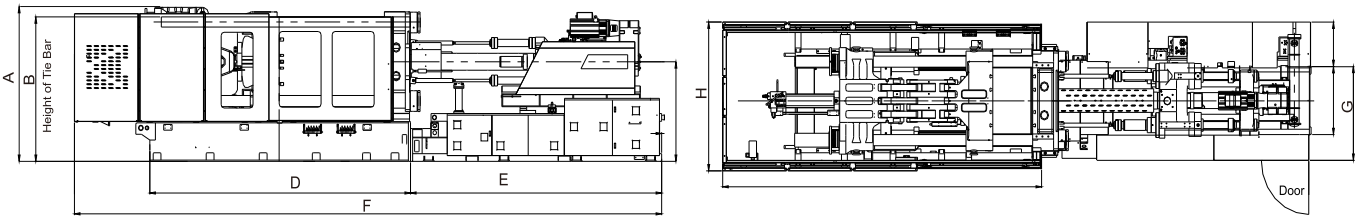
Specifications

ITEM	UNIT	750Se5			850Se5			1000Se5		
		7500-6496			8500-6496			10000-8965		
Injection unit										
Screw diameter	mm	90	100	110	90	100	110	100	110	120
Theoretical shot volume	cc	2990	3691	4467	2990	3691	4467	4163	5037	5994
Shot weight (PS)	g	2721	3359	4065	2721	3359	4065	3788	4583	5455
Shot weight (PS)	oz	96.1	118.7	143.6	96.1	118.7	143.6	134	162	193
Length/Diameter ratio	L/D	22.6	20	18	22.6	20	18	24.2	22	20.2
Injection pressure	MPa	218	176	146	218	176	146	216	178	150
Injection rate	cm <sup>3</sup> /sec	652	805	974	652	805	974	848	1026	1221
Max. screw speed	rpm	160			160			140		
Plasticizing capacity ( PS)	g/s	94.0	128.9	156.7	94.0	128.9	156.7	129	157	187
Clamping unit										
Clamping force	Ton	750			850			1000		
Max. daylight	mm	2050			2200			2380		
Clamping stroke	mm	1025			1100			1220		
Distance btwn. tie bars	mm	1000×1000			1060×1060			1160×1160		
Min. mould dimension	mm	700×700			740×740			780×780		
Mould thickness range	mm	350~1025			450~1100			450~1160		
Ejector force	Ton	25.0			25.0			25		
Ejector stroke	mm	350			350			320		
Power Unit and General										
Pump motor	kW	67.4			67.4			115.1		
Heating power	kW	50			50			61.4		
Machine dimensions (L×W×H)	M	10.34×2.30×2.37			10.52×2.34×2.40			11.71×2.57×2.70		
Machine weight	Ton	39.1			43			47.0		
Oil filling capacity	L	1100			1100			1200		

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

Machine Dimensions

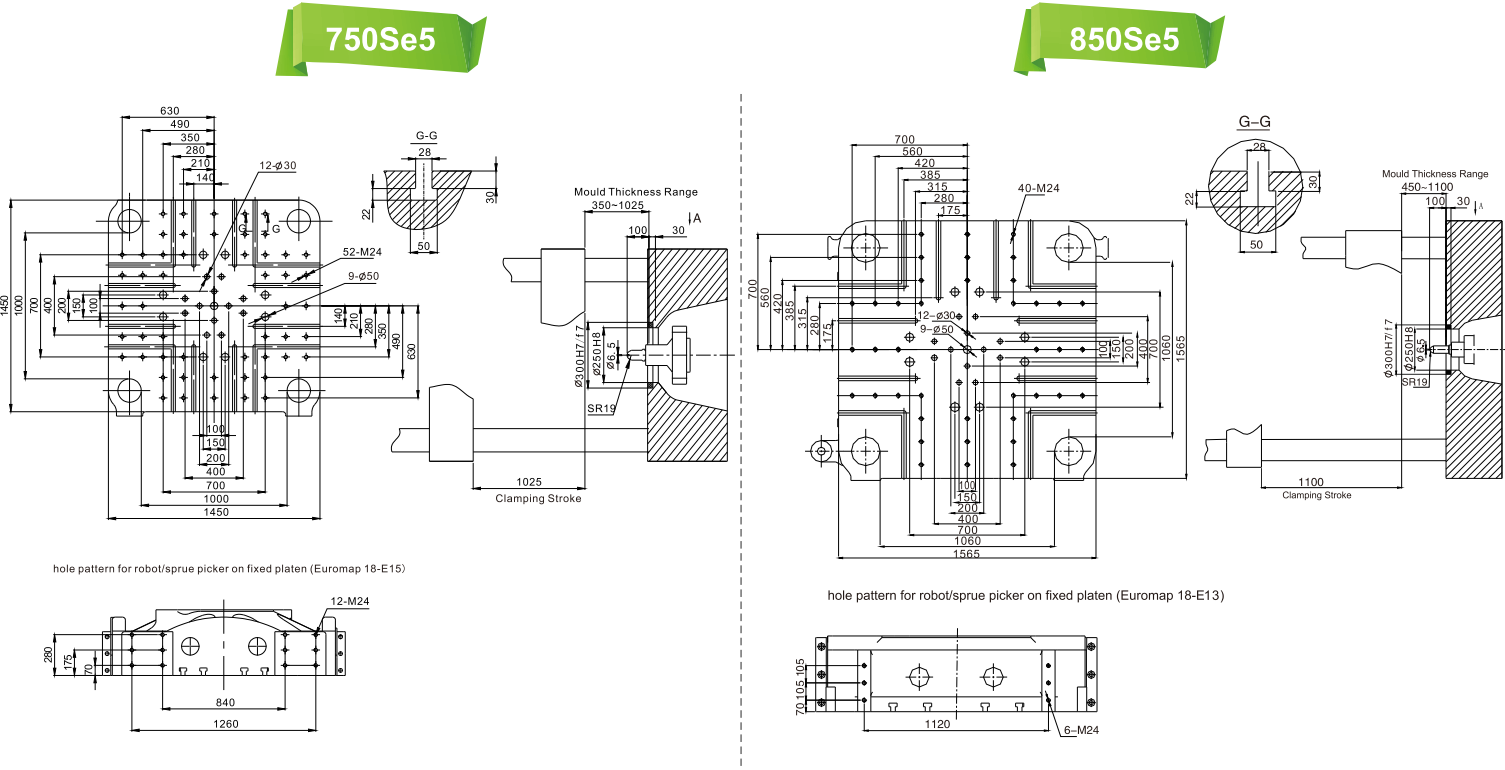
750~1000Se5



Model	A	B	C	D	E	F	G	H
750Se5	2539	2227	2635	4318	4497	10192	1410	2295
850Se5	2420	2300	2635	4668	4497	10514	1410	2340
1000Se5	2687	2370	2717	4904	4900	11090	1482	2569

Remark: C-hopper height for reference only

Platen/Nozzle Dimensions



1000Se5

