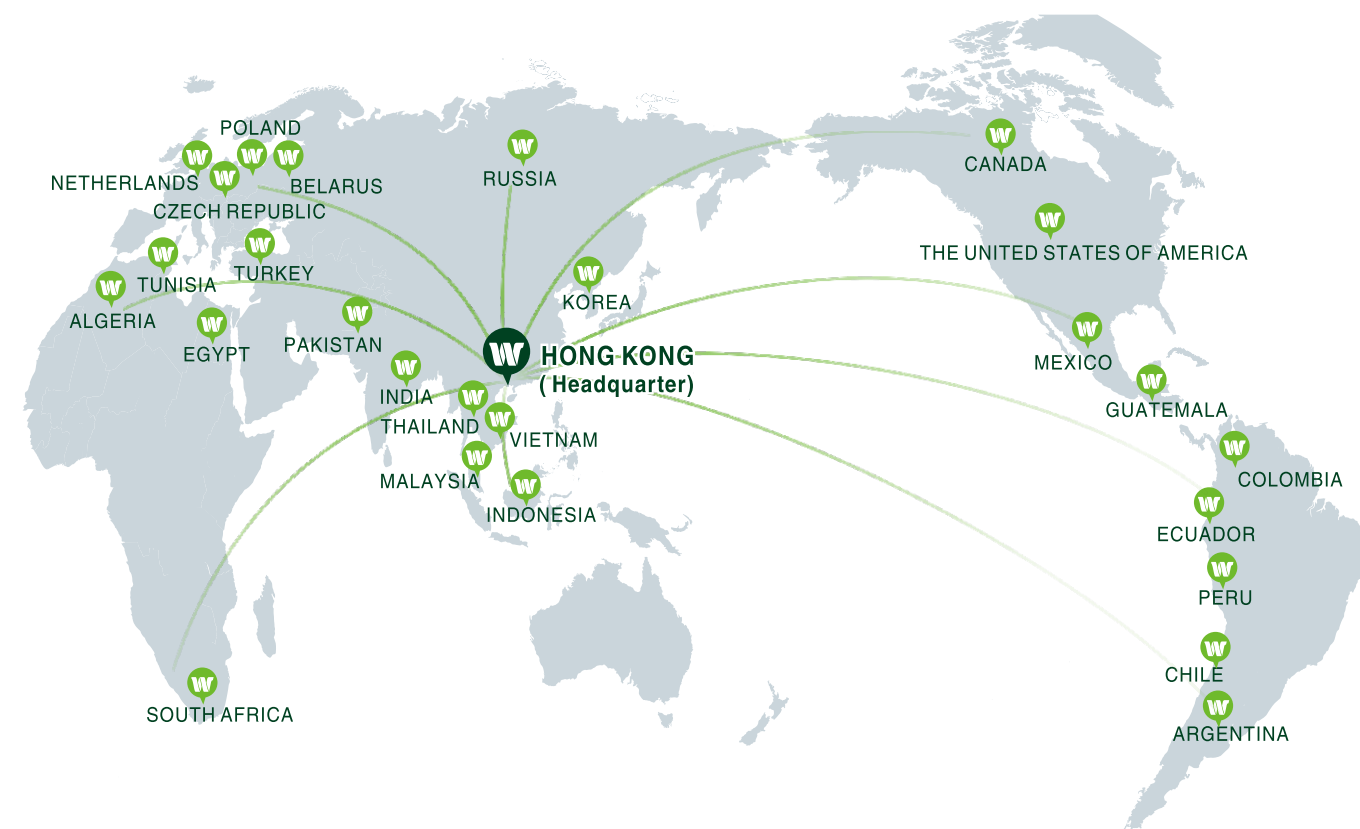
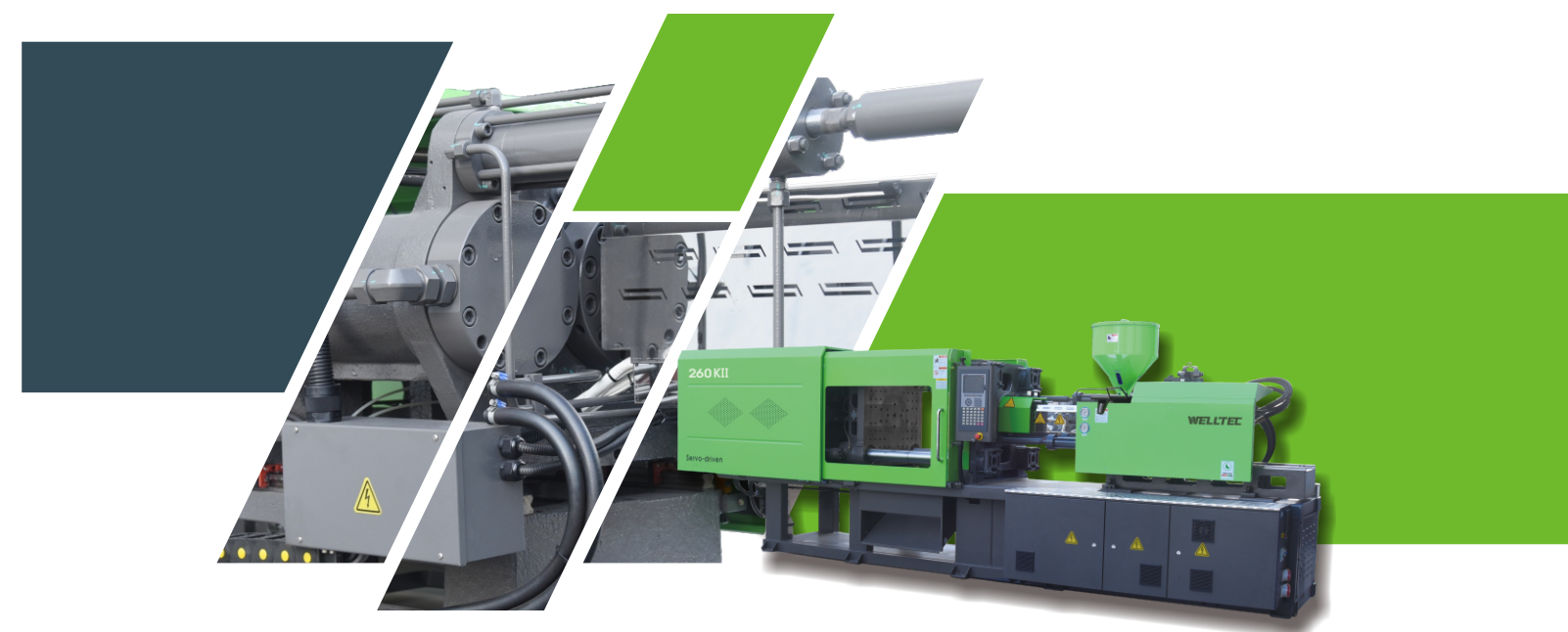




KII series (60-660Ton)

Essential and versatile general purpose injection moulding machine



KII series (60-660Ton)

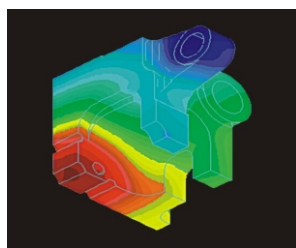
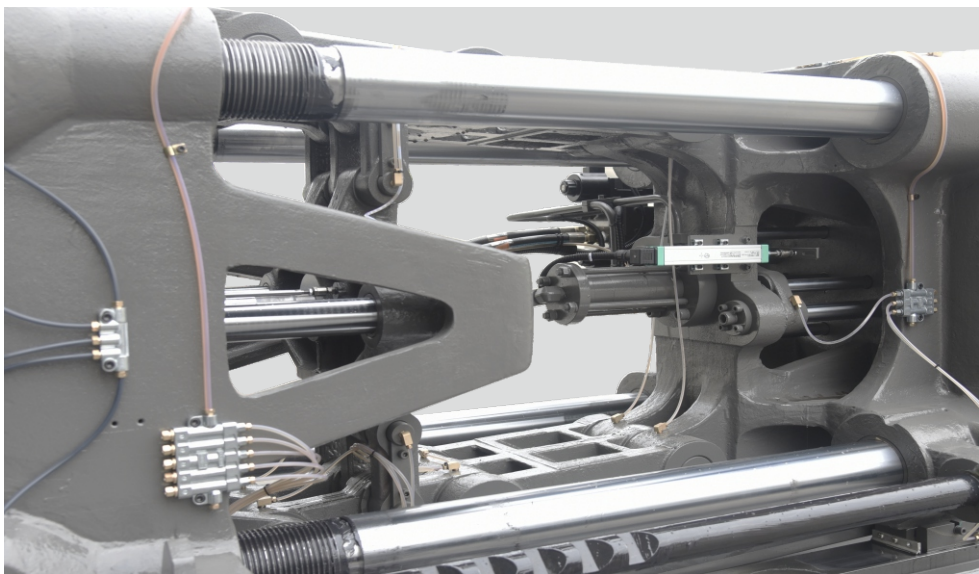
Essential and versatile general purpose
injection moulding machine



GREENLINE

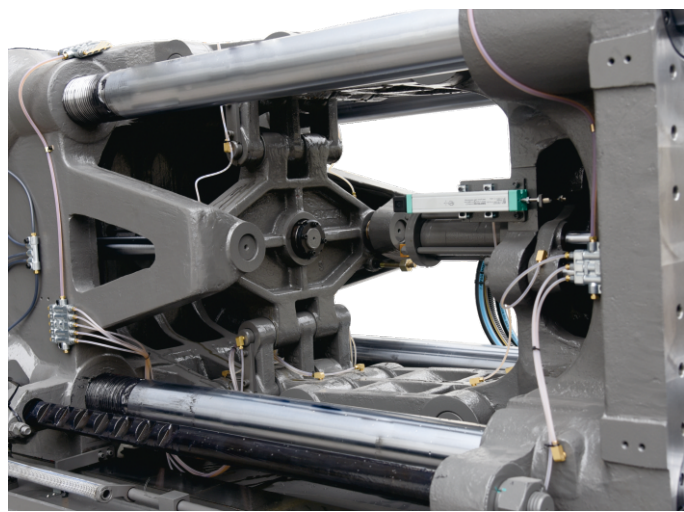
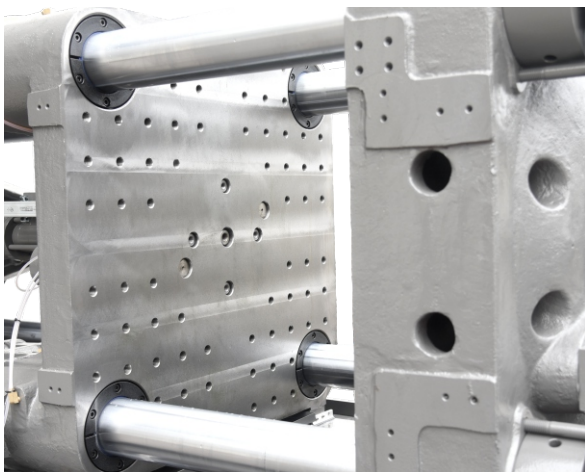
Green up your life





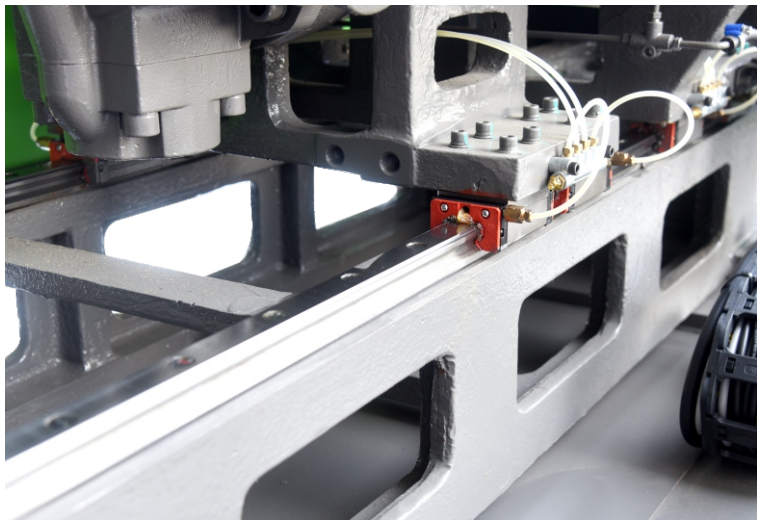
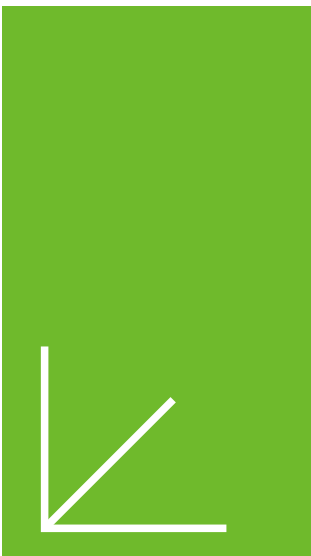
Clamping Unit

- High rigidity design
- The toggle's special heat-treated steel case enables higher wear resistance
- Optimised platen to cater for a range of mould thickness
- High pressure lubrication system adopted in clamping unit to support machine protection during high speed production



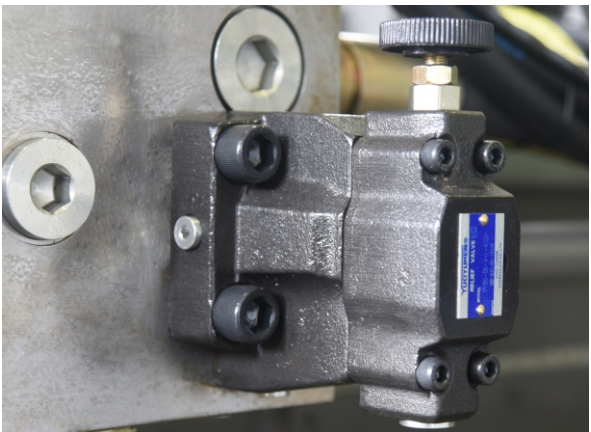
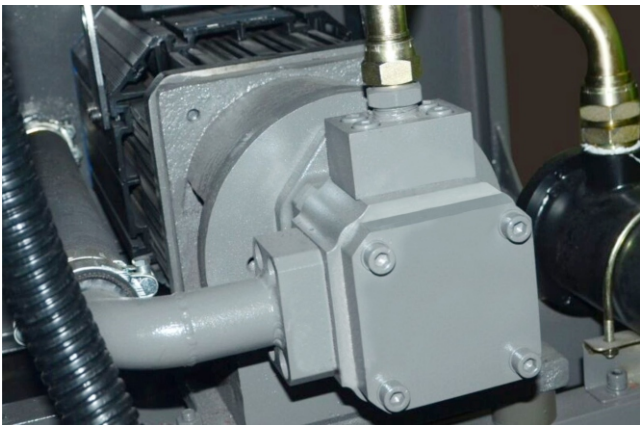
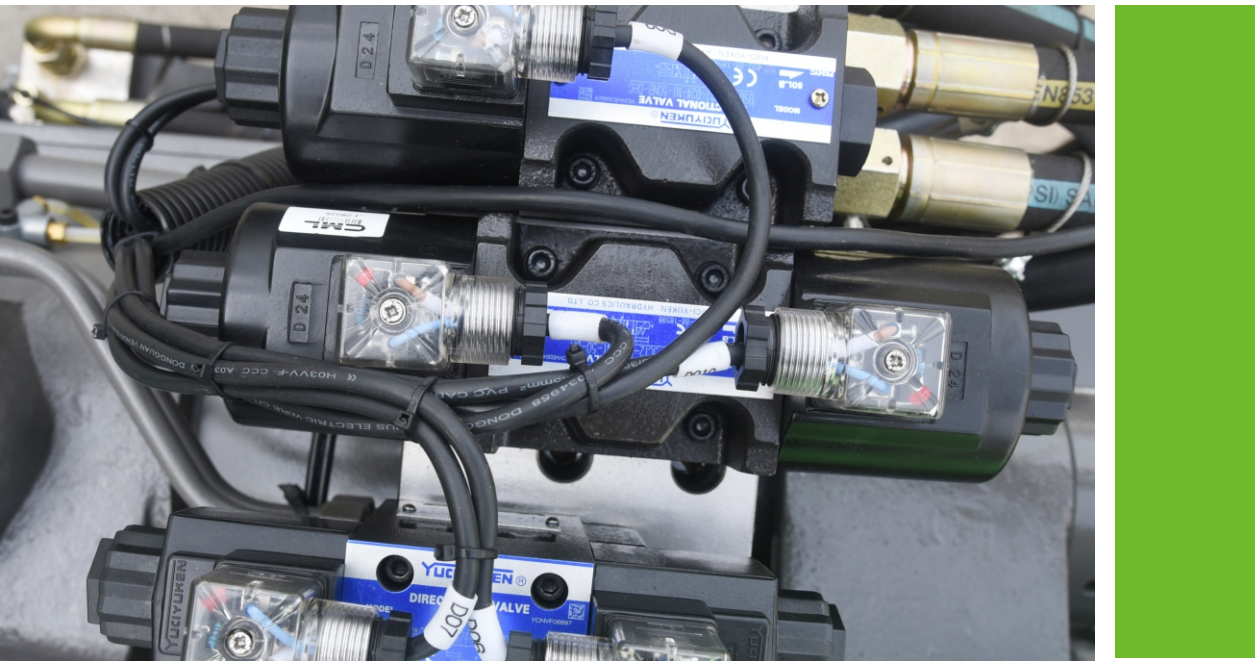
Injection Unit

- The new design of the plasticising components supports better plasticising performance
- Diagonally located cylinders to facilitate better stress distribution
- Linear guide rail significantly reduces mechanical wear and tear (90- 660 KII)



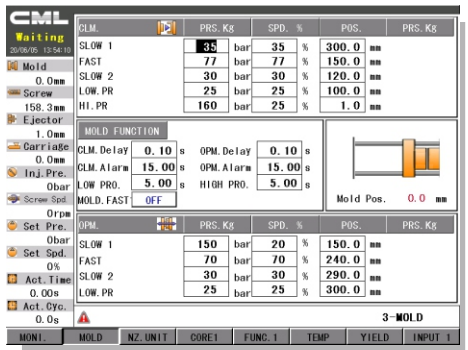
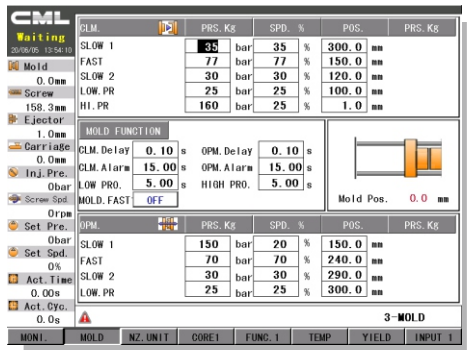
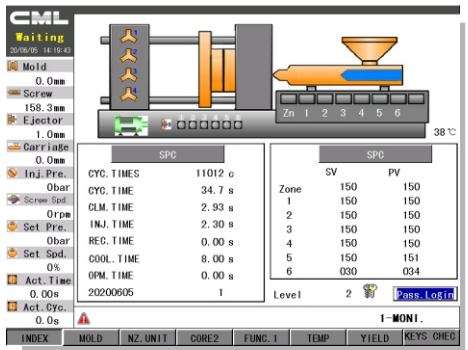
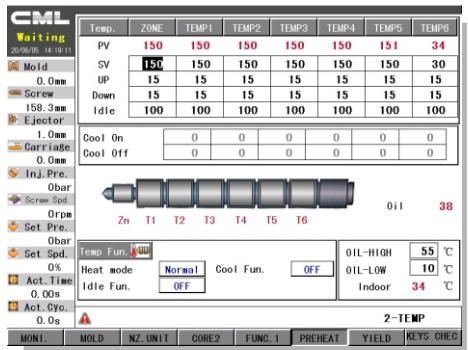
Hydraulic System

- Efficient and stable servo hydraulic system
- Minimised energy loss attained through the advanced hydraulic pipeline design
- Low-noise



Controlling System

- 8" TFT colour display
- User-friendly interface
- 4-stage injection. 4-stage holding pressure. 3-stage plasticising. Pressure flow curve display
- Screw RPM display
- Barrel preheating function
- 100 sets of mould data



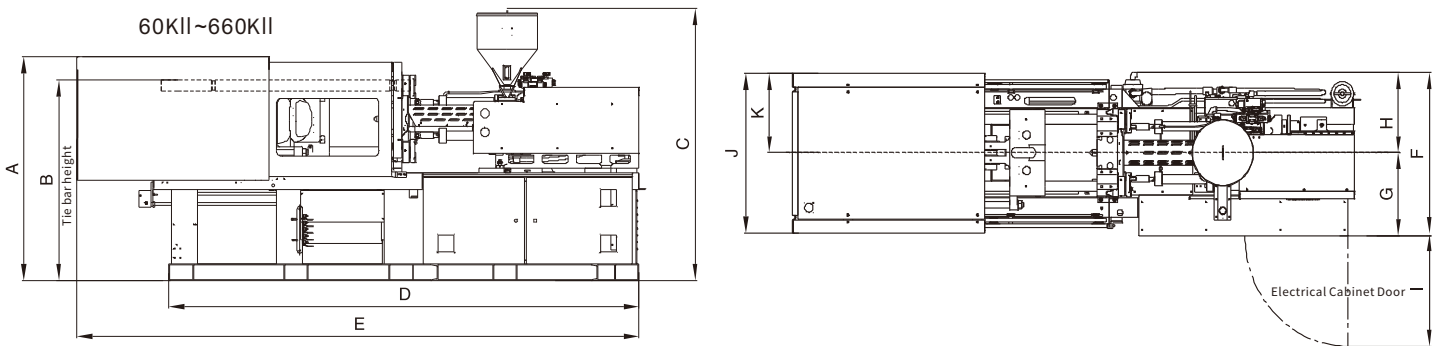


Specifications

ITEM	UNIT	60 KII		90 KII			130 KII			160 KII		
		600-90		900-153			1300-229			1600-326		
Injection Unit												
Screw diameter	mm	25	30	30	35	40	35	40	45	40	45	50
Theoretical shot volume	cm³	69	99	124	168	220	192	251	318	283	358	442
Shot weight (PS)	g	63	90	113	153	200	175	229	289	257	326	402
Shot weight (PS)	oz	2.2	3.2	4.0	5.4	7.1	6.2	8.1	10.2	9.1	11.5	14.2
Length/diameter ratio	L/D	22	18.3	24	20.6	18	23.4	20.5	18.2	22.5	20	18
Injection pressure	MPa	261	181	254	186	143	225	172	136	223	176	142
Injection rate	cm³/sec	66	95	70	95	124	93	122	154	118	149	184
Injection stroke	mm	140			175			200			225	
Max. screw speed	rpm	300			200			205			220	
Plasticising capacity (PS)	g/s	7.4	12.4	9.4	10.5	15.4	13.2	18.0	22.2	20.6	26.7	29.9
Injection unit force	Ton	3.4		5.7			5.7			5.7		
Carriage stroke	mm	255			230			300			320	
Clamping Unit												
Clamping force	Ton	60		90			130			160		
Max. daylight	mm	740			680			820			906	
Clamping stroke	mm	360		320			410			446		
Distance between tie bars	mm	360x360			360x360			410x410			460x460	
Min. mould dimension	mm	250x250		250x250			280x280			320x320		
Mould thickness range	mm	120~380			150~360			150~410			150~460	
Ejector force	Ton	4.1		4.2			4.2			4.9		
Ejector stroke	mm	100			85			100			130	
No. of ejector pins	unit	5		5			5			5		
Power Unit												
Max. motor power	kW	11.8			11.8			15.7			17.3	
System pressure	MPa	17.5		17.5			17.5			17.5		
Hydraulic pump capacity	L/min	61			61			72			90	
No. of heating zones	unit	4+1		3+1+1			3+1+1			4+1+1		
Heating power	kW	6.02			7.41			9.3			11.48	
Total power	kW	18.82		20.21			26			29.78		
Total current	A	25.7			27.6			35.6			40.7	
General												
Machine net weight	Ton	2.85		2.92			3.94			4.86		
Oil filling capacity	L	140			140			160			220	

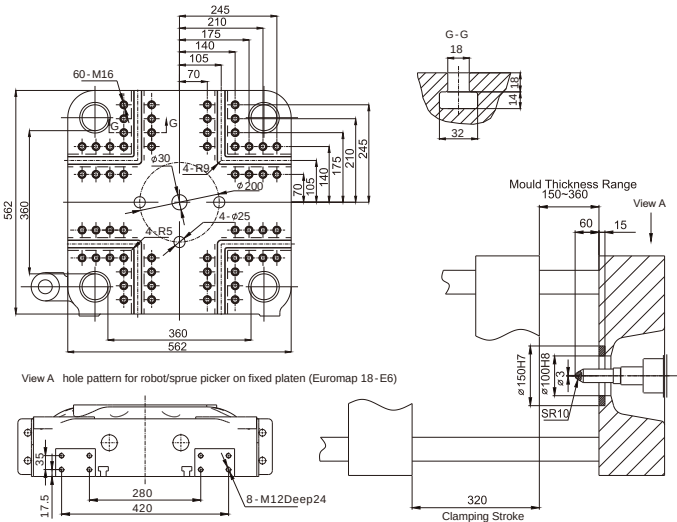
We are always working on improvement and reserve the rights to change design and specifications without prior notice

Machine Dimensions

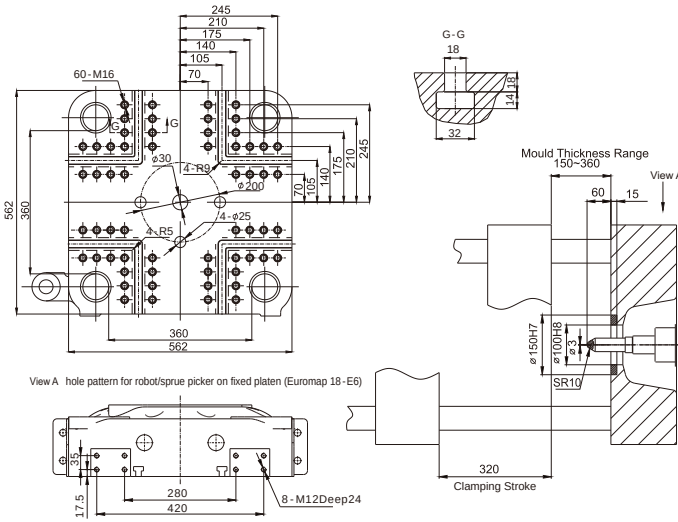


Platen/Nozzle Dimensions

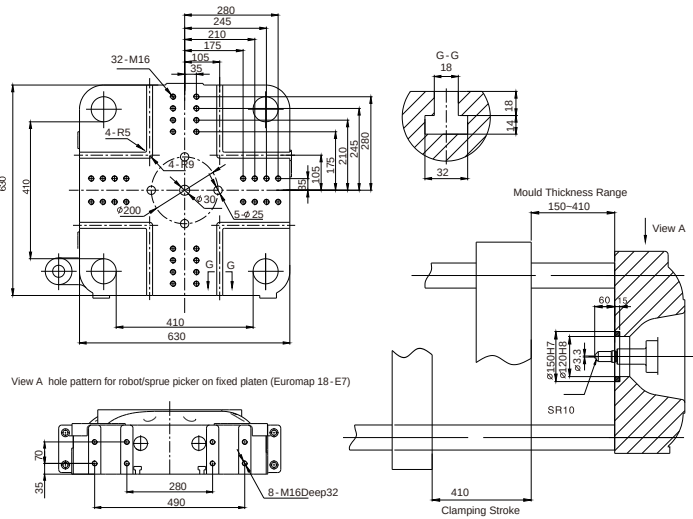
60KII



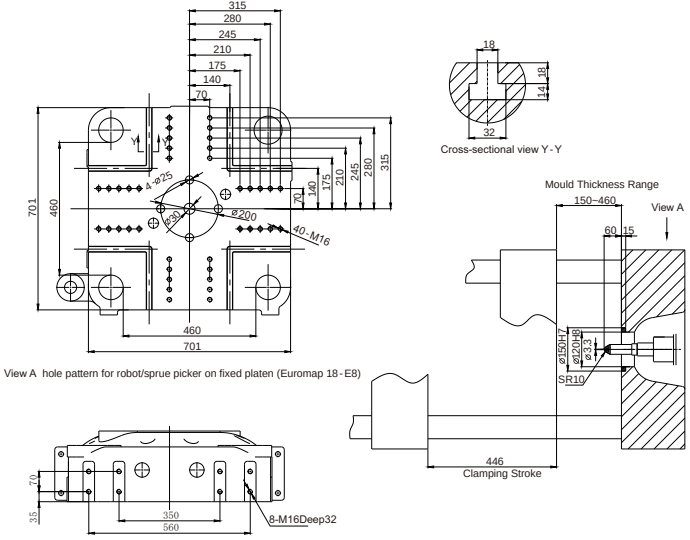
90KII



130 KII



160KII



Model	A	B	C	D	E	F	G	H	I	J	K
60KII	1524	1360	1905	3340	3870	1098	554	544	830	1068	544
90KII	1524	1360	1905	3340	3870	1098	554	544	830	1068	544
130KII	1670	1502	1973	3665	4383	1184	602	582	830	1158	574
160KII	1778	1597	2145	4015	4772	1309	707	602	800	1206	605

Remark: C-hopper height for reference only

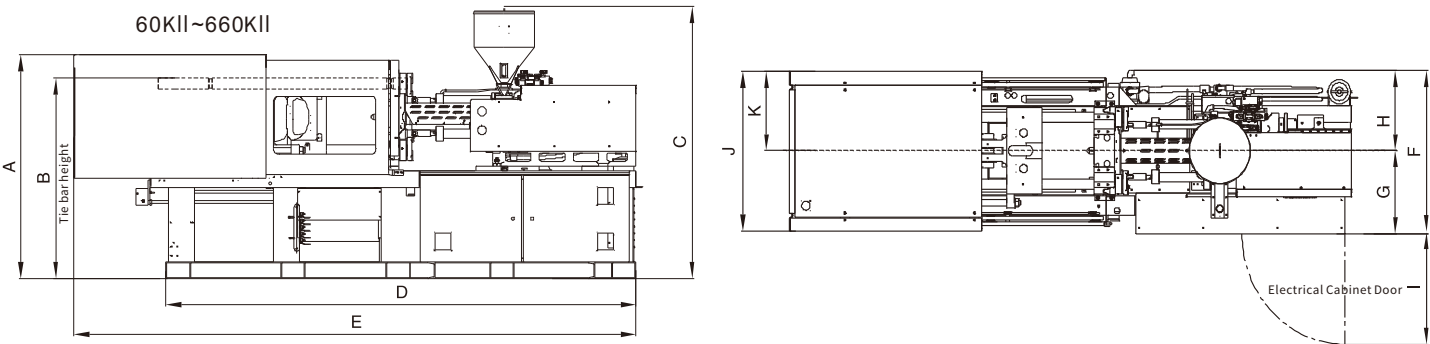


Specifications

ITEM	UNIT	190KII			260 KII			320KII			380 KII		
		1900-447			2600-772			3200-981			3800-1508		
Injection Unit													
Screw diameter	mm	45	50	60	55	60	70	60	65	75	65	75	85
Theoretical shot volume	cm³	398	491	707	713	848	1155	919	1078	1436	1244	1657	2128
Shot weight (PS)	g	362	447	643	649	772	1051	836	981	1307	1132	1508	1936
Shot weight (PS)	oz	12.8	15.8	22.7	22.9	27.3	37.1	29.5	34.7	46.2	40.0	53.3	68.4
Length/diameter ratio	L/D	24	21.6	18	22.9	21	18	22.5	20.8	18	23.9	20.7	18.3
Injection pressure	MPa	219	177	123	211	178	131	210	179	134	231	173	135
Injection rate	cm³/sec	150	185	266	200	238	324	244	287	382	278	371	476
Injection stroke	mm	250			300			325			375		
Max. screw speed	rpm	185			148			179			136		
Plasticising capacity (PS)	g/s	22.5	28.0	34.2	27.2	29.7	44.6	39.5	44.3	62.3	46.3	62.2	80.4
Injection unit force	Ton	9.1			9.1			9.1			12		
Carriage stroke	mm	350			350			350			435		
Clamping Unit													
Clamping force	Ton	190			260			320			380		
Max. daylight	mm	1000			1130			1275			1450		
Clamping stroke	mm	490			550			615			710		
Distance between tie bars	mm	510X510			580X580			660X660			740X740		
Min. mould dimension	mm	350X350			400X400			460X460			510X510		
Mould thickness range	mm	175~510			200~580			250~660			250~740		
Ejector force	Ton	4.9			6.7			6.7			11.1		
Ejector stroke	mm	140			160			180			200		
No. of ejector pins	unit	5			9			13			13		
Power Unit													
Max. motor power	kW	23			31.4			32			46.1		
System pressure	MPa	17.5			17.5			17.5			17.5		
Hydraulic pump capacity	L/min	112.5			145			176			220		
No. of heating zones	unit	4+1+1			5+1			5+1			5+1		
Heating power	kW	14.25			18.9			22.15			28.99		
Total power	kW	38.25			51.3			50.15			76.09		
Total current	A	52.3			70.2			75.4			104.0		
General													
Machine net weight	Ton	5.96			7.64			10.5			14.1		
Oil filling capacity	L	260			350			470			490		

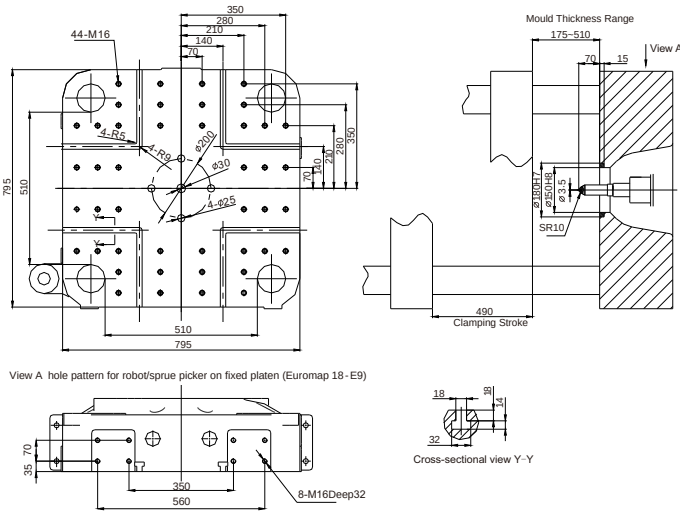
We are always working on improvement and reserve the rights to change design and specifications without prior notice

Machine Dimensions



Platen/Nozzle Dimensions

190KII



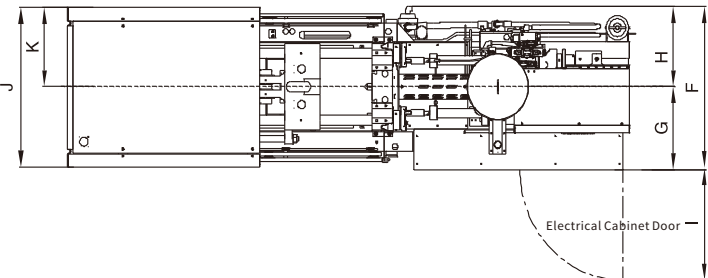
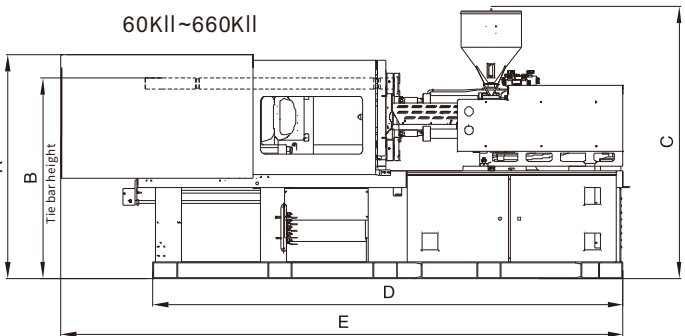


Specifications

ITEM	UNIT	450 KII			500KII			560KII			660KII		
		4500-1830			5000-1830			5600-2519			6600-2519		
Injection Unit													
Screw diameter	mm	70	80	94	70	80	94	80	90	105	80	90	105
Theoretical shot volume	cm³	1539	2011	2776	1539	2011	2776	2212	2799	3810	2212	2799	3810
Shot weight (PS)	g	1401	1830	2526	1401	1830	2526	1991	2519	3429	1991	2519	3429
Shot weight (PS)	oz	49.5	64.7	89.3	49.5	64.7	89.3	70.3	89.0	121.2	70.3	89.0	121.2
Length/diameter ratio	L/D	24.2	21.2	18	24.2	21.2	18	23.6	21	18	23.6	21	18
Injection pressure	MPa	228	174	126	228	174	126	215	170	125	215	170	125
Injection rate	cm³/sec	352	460	635	352	460	635	477	603	821	477	603	821
Injection stroke	mm	400			400			440			440		
Max. screw speed	rpm	170			170			148			148		
Plasticising capacity (PS)	g/s	72.7	94.3	131.3	72.7	94.3	131.3	80.4	97.5	147.5	80.4	97.5	147.5
Injection unit force	Ton	12			12			20.4			20.4		
Carriage stroke	mm	480			480			600			600		
Clamping Unit													
Clamping force	Ton	450			500			560			660		
Max. daylight	mm	1560			1640			1730			1830		
Clamping stroke	mm	740			820			880			910		
Distance between tie bars	mm	780x780			825x825			860x840			920 x920		
Min. mould dimension	mm	540x540			570x570			600x590			645x645		
Mould thickness range	mm	300~820			300~820			350~850			350~920		
Ejector force	Ton	13.7			13.7			16.6			16.6		
Ejector stroke	mm	250			250			240			290		
No. of ejector pins	unit	13			13			17			21		
Power Unit													
Max. motor power	kW	56.5			56.5			73.3			73.3		
System pressure	MPa	17.5			17.5			17.5			17.5		
Hydraulic pump capacity	L/min	275			275			352			352		
No. of heating zones	unit	5+1			5+1			5+1			5+1		
Heating power	kW	34.94			34.94			35.66			35.66		
Total power	kW	92.44			92.44			109.96			109.96		
Total current	A	126.4			126.4			133.7			133.7		
General													
Machine net weight	Ton	16.4			17.7			23			26		
Oil filling capacity	L	600			600			1000			1000		

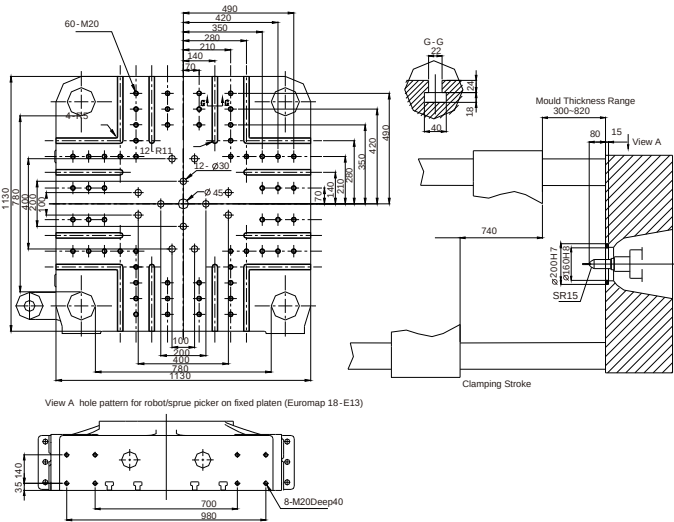
We are always working on improvement and reserve the rights to change design and specifications without prior notice

Machine Dimensions

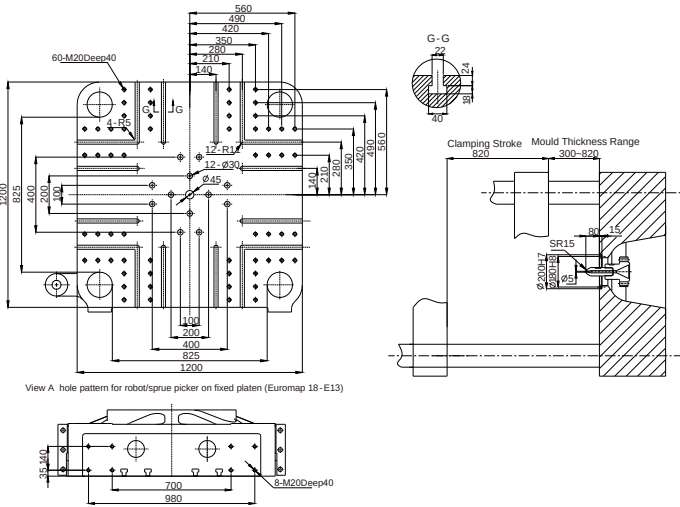


Platen/Nozzle Dimensions

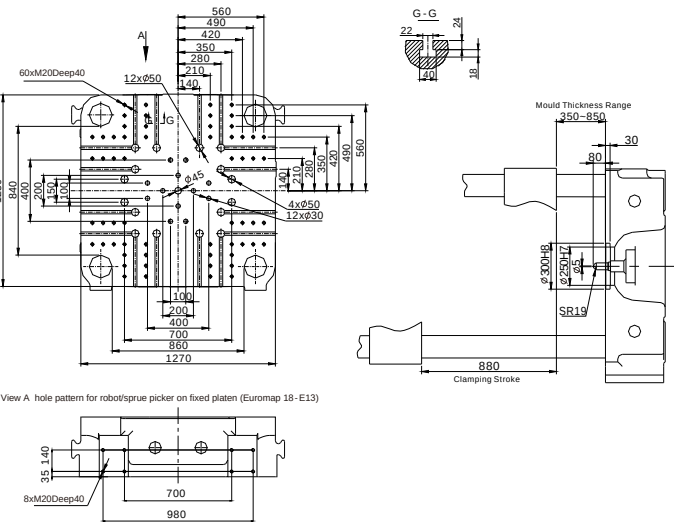
450KII



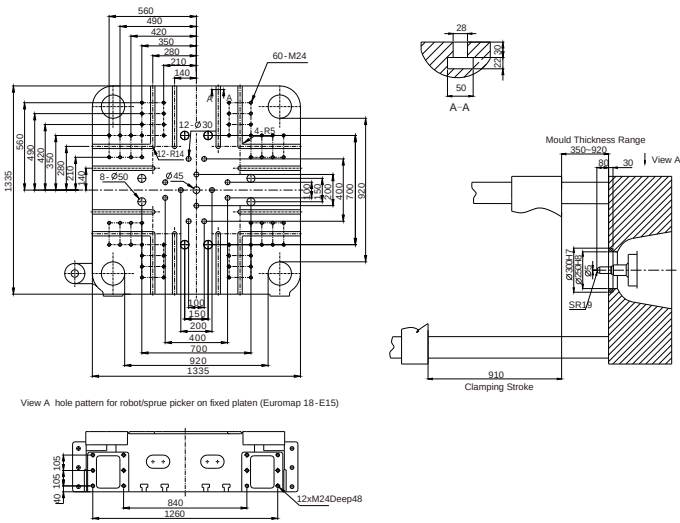
500KII



560KII



660KII



Model	A	B	C	D	E	F	G	H	I	J	K
450KII	2219	1955	2244	6670	7883	1849	942	907	800	1906	951
500KII	2200	1988	2244	6752	8062	1849	942	907	800	1830	915
560KII	2170	2035	2505	7643	8903	2189	955	1234	850	1790	895
660KII	2181	2075	2487	7783	9157	2189	955	1234	850	1942	971

Remark: C-hopper height for reference only

Standard and Optional Features

Injection Unit	
Linear transducer for injection position control	●
Proximity switch for carriage position control	●
General purpose nitriding screw	●
Movable hopper (90-190T)	●
Fixed hopper (260-660T)	●
Nozzle protective cover	●
Barrel protective cover	●
Diagonal layout of carriage cylinders	●
Anti-drooling function	●
Automatic purging system	●
Automatic injection failure detection	●
Screw cold start prevention	●
Heater on/ off switch	●
Nozzle centre adjustment device	●
4 stages injection control	●
4 stages holding pressure control	●
3 stages plasticising RPM control	●
2 stages carriage forward. 1 stage carriage backward	●
Enlarged / reduced one step injection unit	○
Stainless steel hopper	○
Extended nozzle	○
Spring-loaded nozzle	○
Hydraulic/ Pneumatic shut-off nozzle	○
Bi-mettalic screw and barrel set	○
Mixing head	○
Clamping Unit	
Optimised 5 points double toggle clamping	●
Linear transducer for mould position	●
Automatic lubrication system	●
Centralised lubrication for mould height adjustment (no pump)	●
Multiple ejector modes	●
General mounting pattern	●
Machine frame guide rail with anti-abrasive steel	●
Low pressure mould protection	●
4 stages opening speed with pressure adjustment	●
5 stages clamping speed with pressure adjustment	●
Safety guard for product dropout chute	●
Mechanical safety interlock (90-660T)	●
Increase mould thickness	○
Quick mould change system (T-slot necessary)	○
Increase ejector force / stroke	○
European style ejector	○
Ejector holes (EUROMAP standard)	○
Mould hanger	○
Retractable tie bar	○

standard ● optional ○

Hydraulic Unit	
Energy saving servo motor and pump set	●
High precision bypass oil filter	●
Manual back-pressure control with pressure gauge display	●
Hydraulic oil temperature display with limit alarm	●
Safety wire for high pressure hydraulic hoses	●
Non-return check valve for injection carriage	●
2 sets of core pulling (movable platen)	○
Unscrew device with motor	○
Enlarged air blast	○
2 sets of pneumatic core pulling	○
Enlarged one step pump and motor	○
Enlarged one step plasticising motor	○
Hydraulic safety	○
4 sets of pneumatic sequential injection	○
Control Unit and Electric Components	
IMM GA021 control system (90-660T)	●
TFT LCD display and touchscreen keyboard (90-660T)	●
PID closed-loop temperature control	●
Screw RPM sensor	●
Automatic fault display	●
Production counter	●
380V 50Hz	●
380V 32A socket (1set)	●
380V 16A socket (1set)	●
Electrical safety interlock	●
Emergency stop at operation side	●
100 sets mould data storage with USB	●
3 levels password protection	●
SPC for production	●
IP54 protection cabinet	●
Automatic door	○
Extra power socket	○
Voltage stabiliser	○
Voltage meter	○
Ceramic/ infrared heater bands	○
Circuit check for heater bands	○
Robot interface (EUROMAP 12)	○
Lighting for front and rear guard door	○
Air conditioner for electric cabinet	○
Others	
Water flow valve	●
Semi- enclosed injection safety guard	●
Clamping safety guard	●
Spare parts	●
Quick fitting for water flow valve	○
Water flow regulator	○
Non-standard machine colour	○