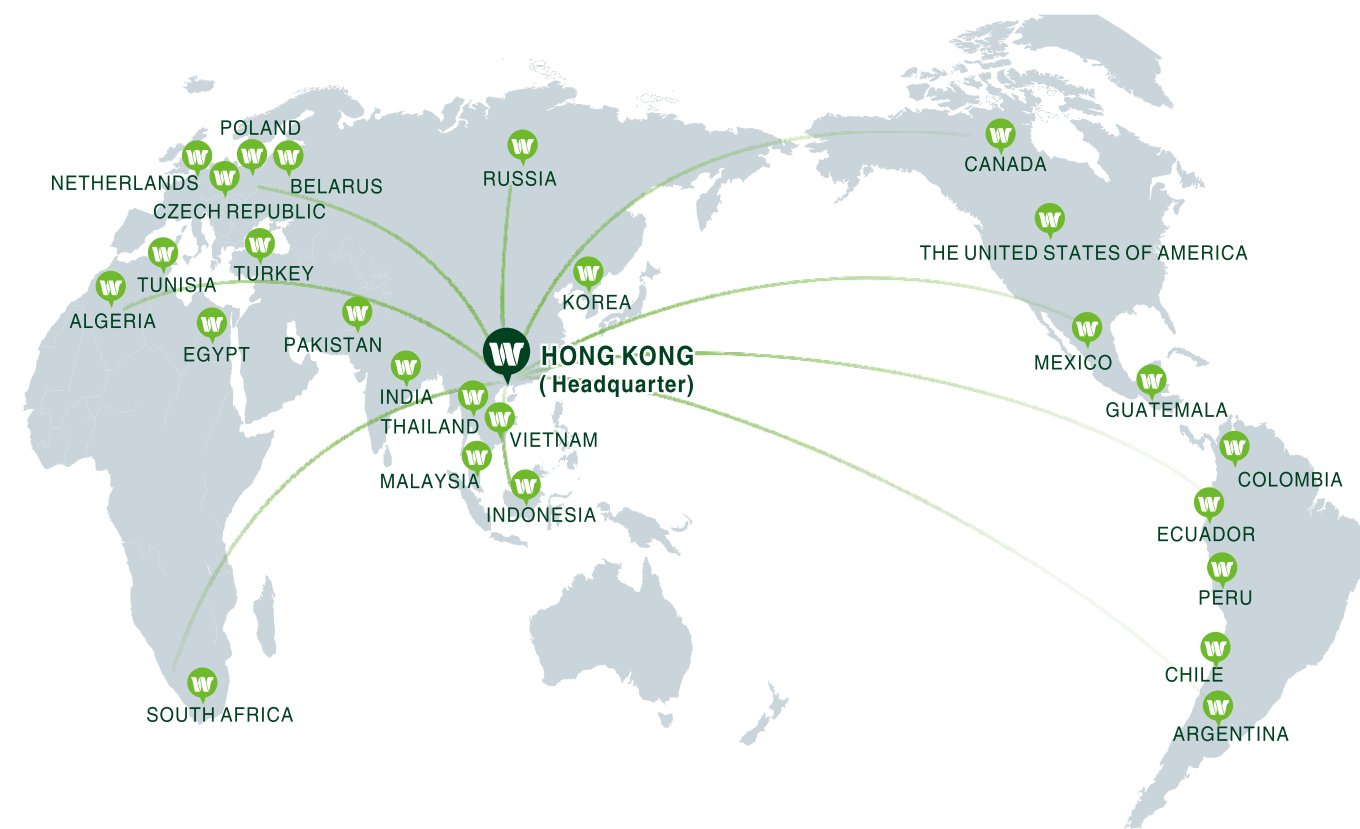
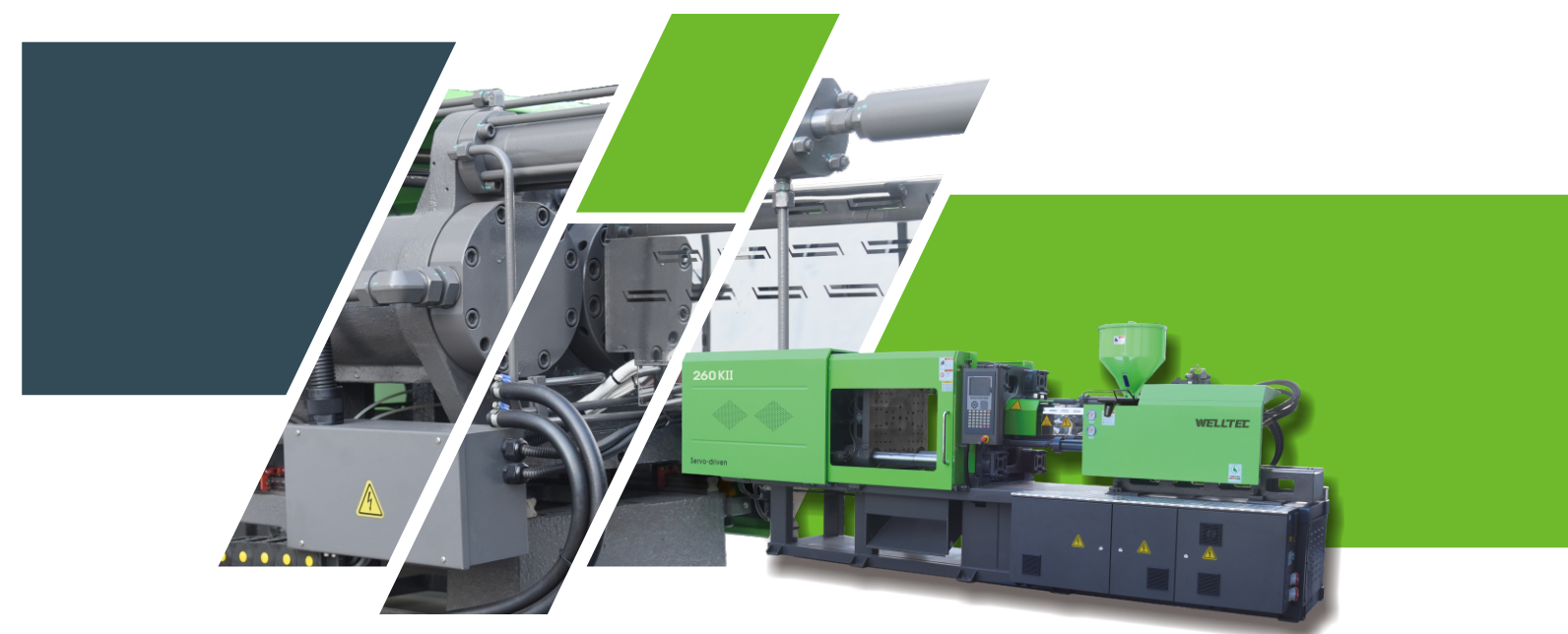




KII series (60-660Ton)

Essential and versatile general purpose injection moulding machine



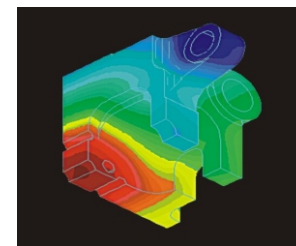
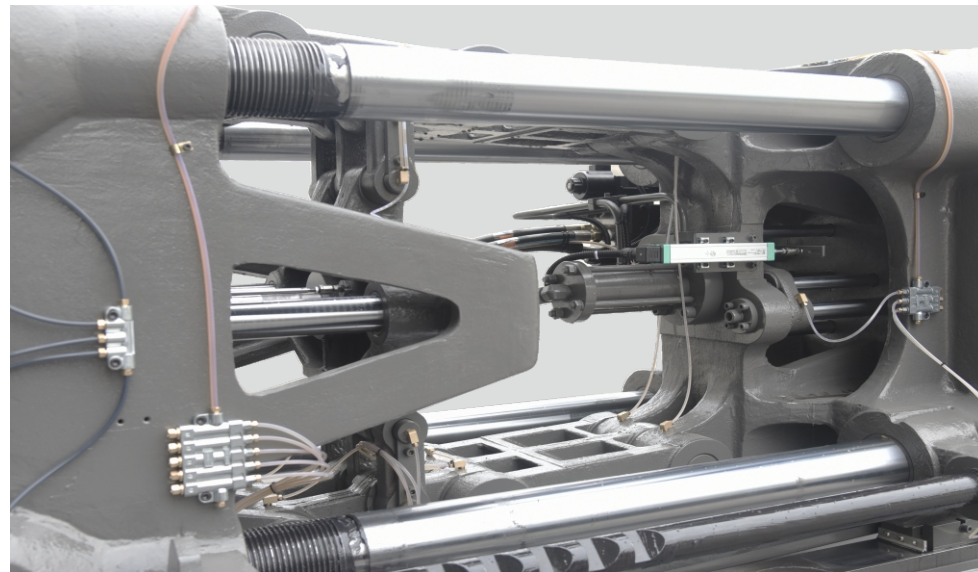
KII series (60-660Ton)
Essential and versatile general purpose
injection moulding machine



GREENLINE

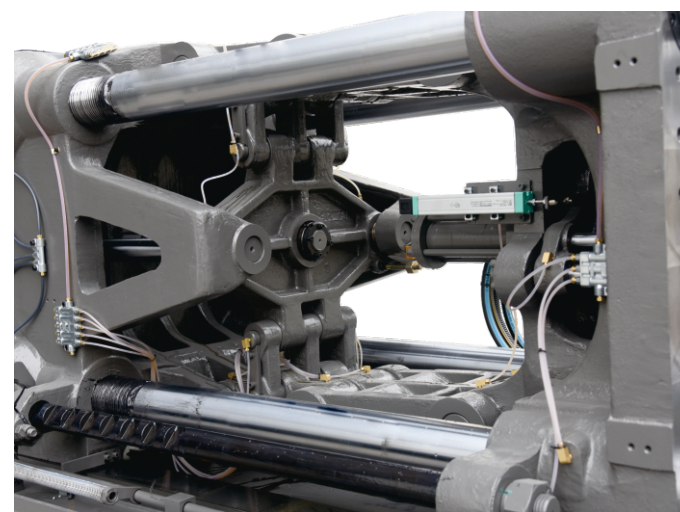
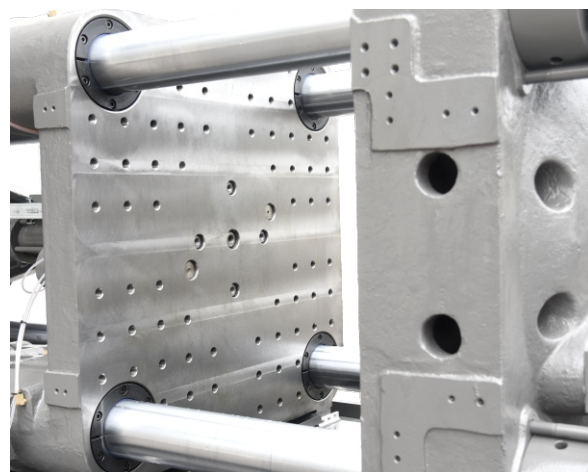
Green up your life





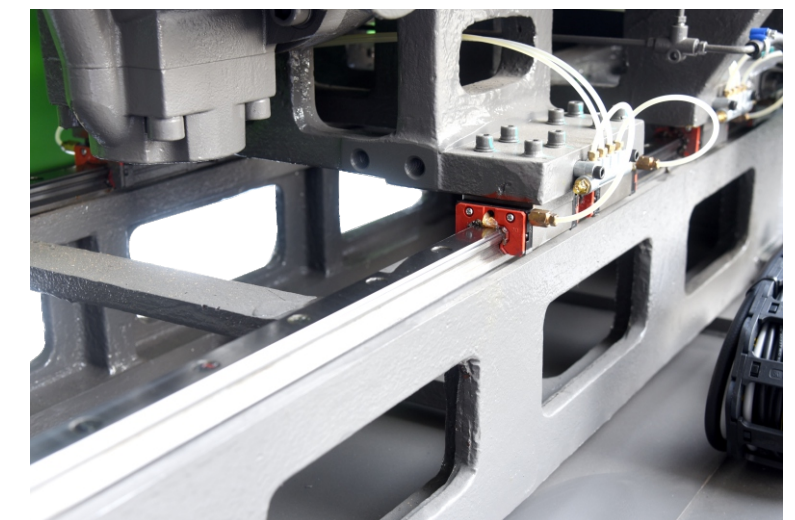
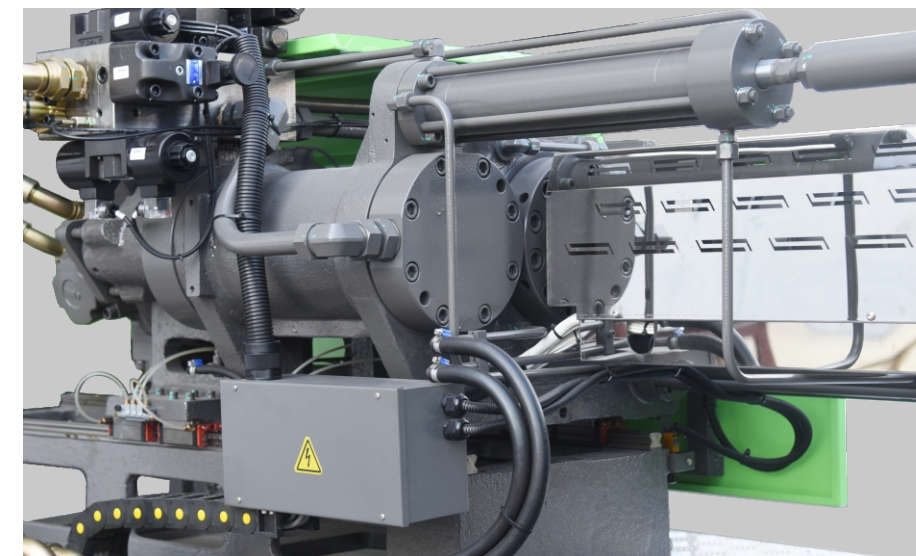
Clamping Unit

- 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



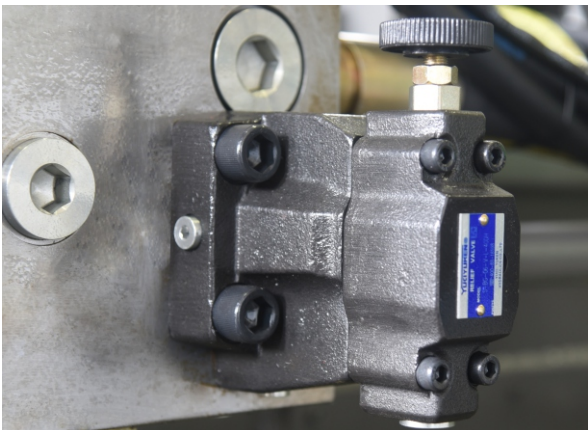
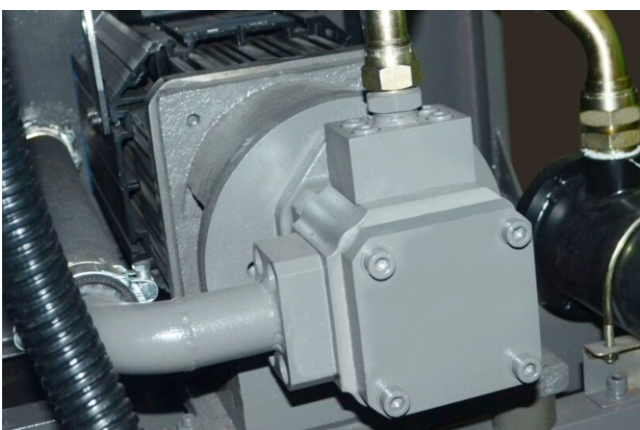
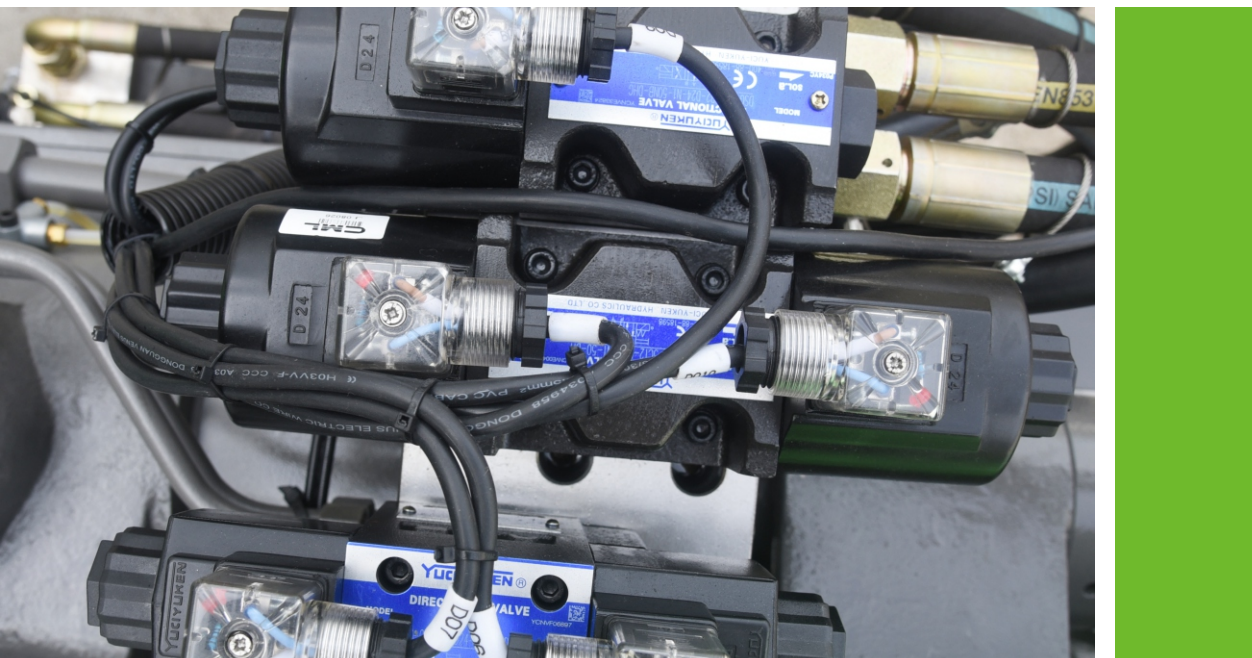
Injection Unit

- 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)



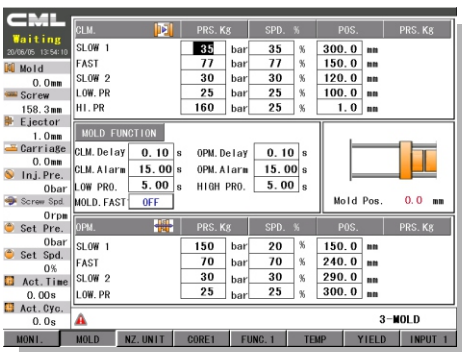
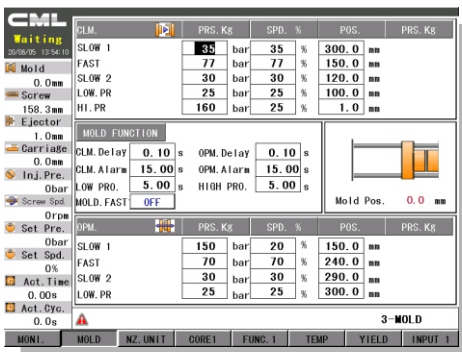
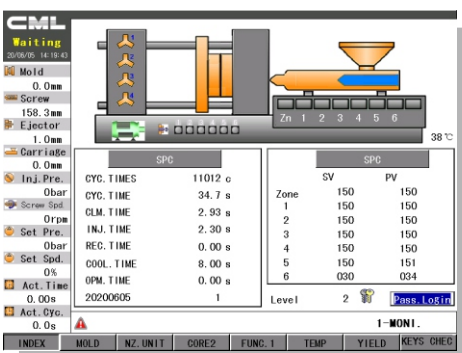
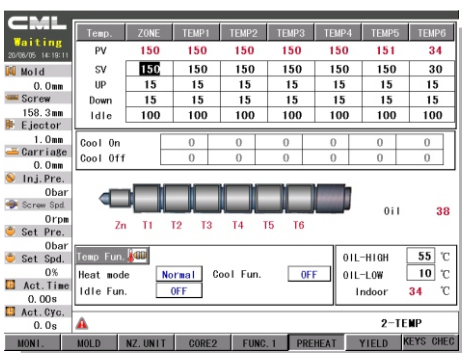
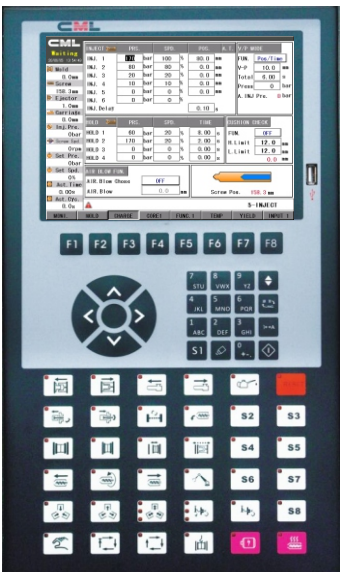
Hydraulic System

- 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



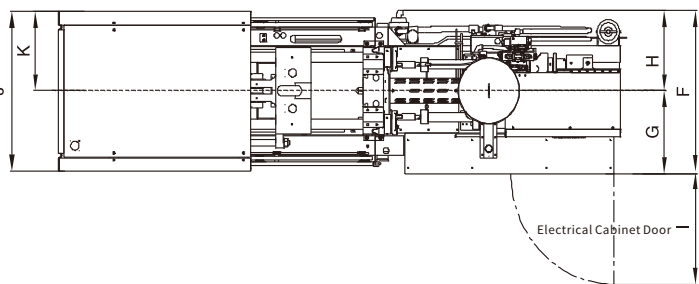
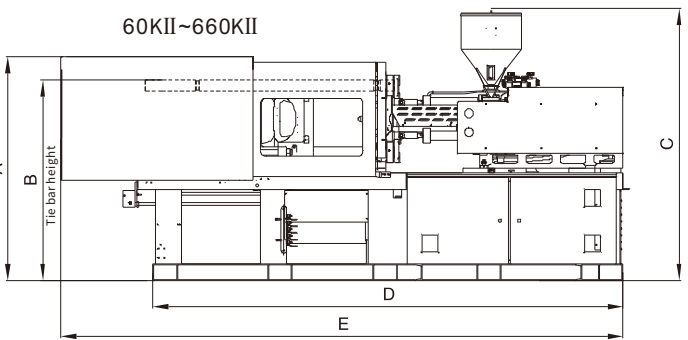


Specifications

ITEM	UNIT	190KII				260 KII				320KII				400KII			
		1900-871				2600-1507				3200-1930				4000-2868			
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	191	228	310	244	287	382	278	371	476				
Injection stroke	mm	250				300				325				375			
Max. screw speed	rpm	185				141				179				136			
Plasticising capacity (PS)	g/s	22.5	28.0	34.2	26.0	38.3	42.6	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				400				435			
Clamping Unit																	
Clamping force	Ton	190				260				320				400			
Max. daylight	mm	1000				1130				1275				1530			
Clamping stroke	mm	490				550				615				780			
Distance between tie bars	mm	510X510				580X580				660X660				740X740			
Min. mould dimension	mm	350X350				400X400				460X460				520X520			
Mould thickness range	mm	175~510				200~580				250~660				250~750			
Ejector force	Ton	4.9				6.7				6.7				16.6			
Ejector stroke	mm	140				160				180				210			
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				139				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				55.15				76.09			
Total current	A	52.3				70.2				75.4				104.0			
General																	
Machine net weight	Ton	5.96				7.64				10.5				14.68			
Oil filling capacity	L	260				350				470				700			
■ We are always working on improvement and reserve the rights to change design and specifications without prior notice																	

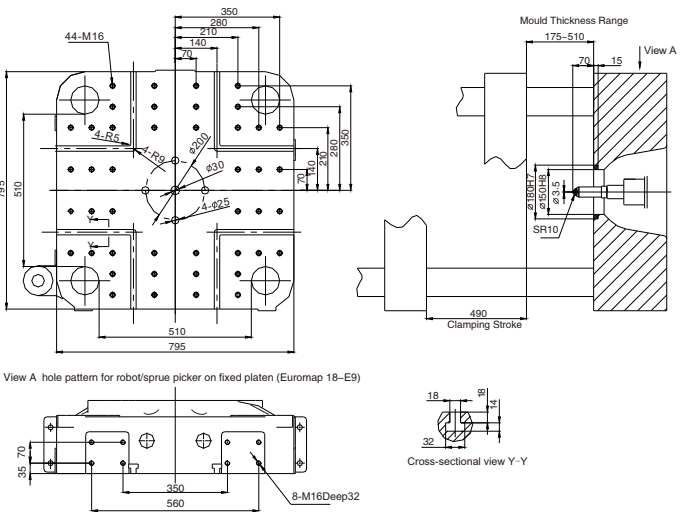
We are always working on improvement and reserve the rights to change design and specifications without prior notice

Machine Dimensions

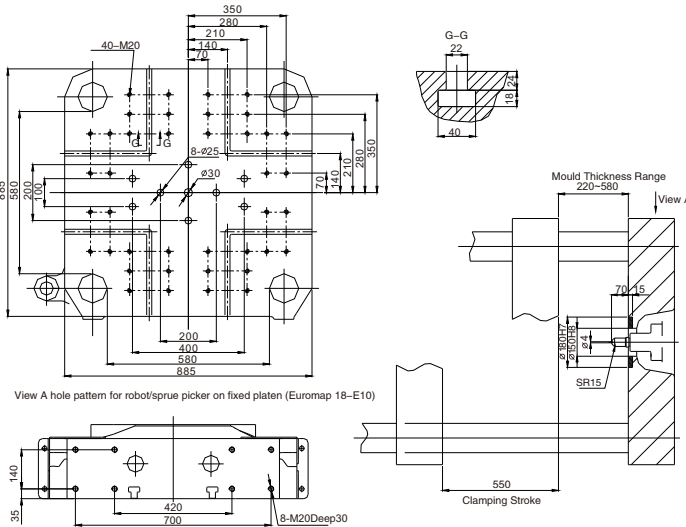


Platen/Nozzle Dimensions

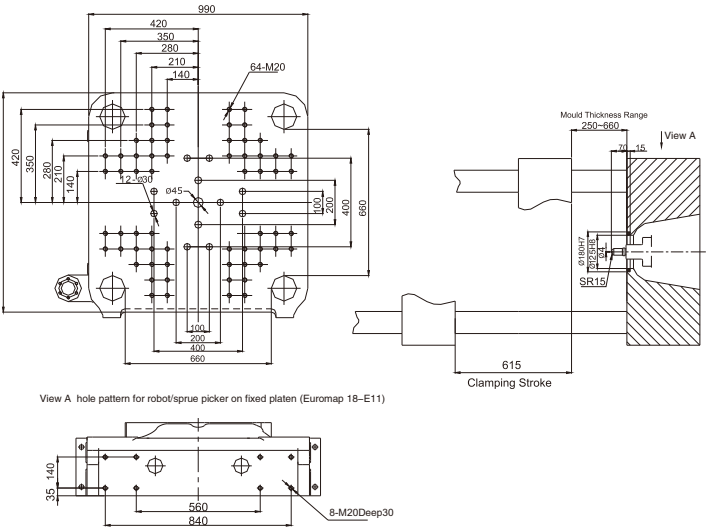
190KII



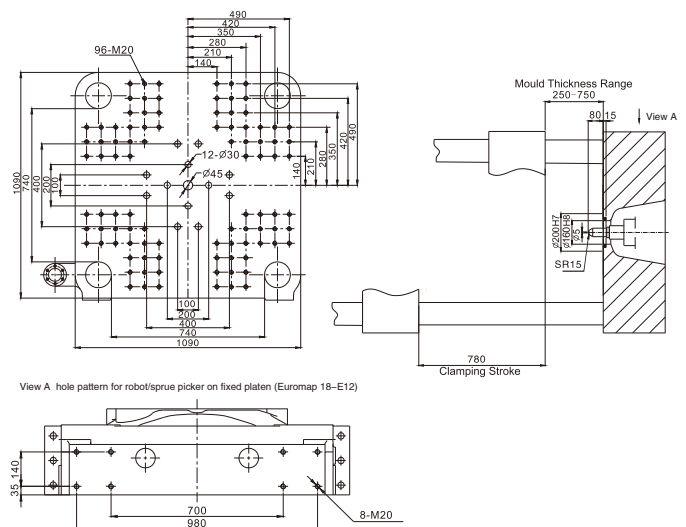
260KII



320KII



400KII



Model	A	B	C	D	E	F	G	H	I	J	K
190KII	1840	1650	2120	4332	5153	1367	717	650	800	1282	641
260KII	1914	1722	2086	4855	5764	1484	792	692	800	1380	690
320KII	2052	1867	2192	5211	6210	1670	863	807	800	1495	732
400KII	2176	1923	2247	6480	7556	1500	1760	840	800	915	880

Remark: C-hopper height for reference only

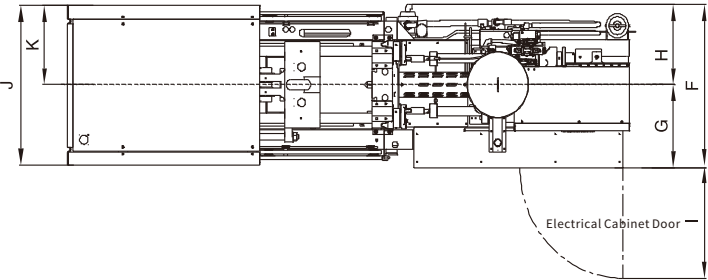
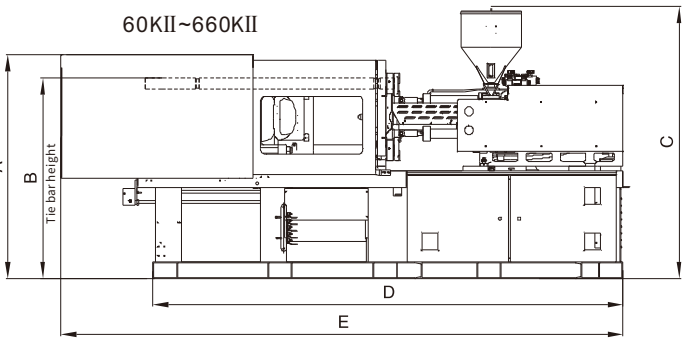


Specifications

ITEM	UNIT	480KII			560KII			660KII		
		4800-3508			5600-4618			6600-4618		
Injection Unit										
Screw diameter	mm	70	80	94	80	90	105	80	90	105
Theoretical shot volume	cm³	1539	2011	2776	2212	2799	3810	2212	2799	3810
Shot weight (PS)	g	1401	1830	2526	1991	2519	3429	1991	2519	3429
Shot weight (PS)	oz	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	23.6	21	18	23.6	21	18
Injection pressure	MPa	228	174	126	215	170	125	215	170	125
Injection rate	cm³/sec	352	460	635	477	603	821	477	603	821
Injection stroke	mm	400			440			440		
Max. screw speed	rpm	170			148			148		
Plasticising capacity (PS)	g/s	72.7	94.3	131.3	80.4	97.5	147.5	80.4	97.5	147.5
Injection unit force	Ton	12			20.4			20.4		
Carriage stroke	mm	480			600			600		
Clamping Unit										
Clamping force	Ton	480			560			660		
Max. daylight	mm	1600			1730			1830		
Clamping stroke	mm	780			880			910		
Distance between tie bars	mm	820X800			860 × 840			920 x920		
Min. mould dimension	mm	570x560			600x590			645x645		
Mould thickness range	mm	300~820			350~850			350-920		
Ejector force	Ton	16.6			16.6			16.6		
Ejector stroke	mm	240			240			290		
No. of ejector pins	unit	17			17			21		
Power Unit										
Max. motor power	kW	56.5			73.3			73.3		
System pressure	MPa	17.5			17.5			17.5		
Hydraulic pump capacity	L/min	275			352			352		
No. of heating zones	unit	5+1			5+1			5+1		
Heating power	kW	34.94			35.66			35.66		
Total power	kW	92.44			109.96			109.96		
Total current	A	126.4			133.7			133.7		
General										
Machine net weight	Ton	16.72			23			26		
Oil filling capacity	L	700			1000			1000		

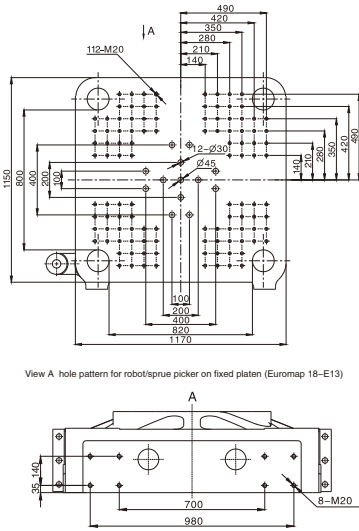
We are always working on improvement and reserve the rights to change design and specifications without prior notice

Machine Dimensions

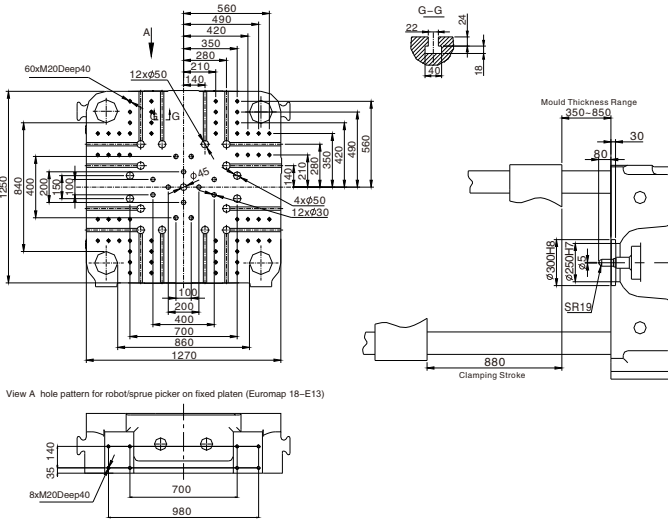


Platen/Nozzle Dimensions

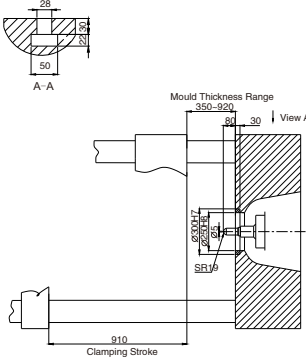
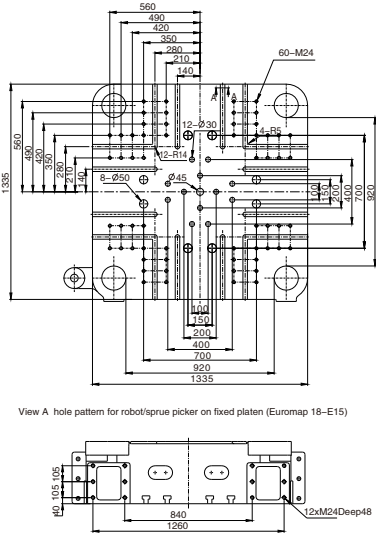
480KII



560KII



660KII



Model	A	B	C	D	E	F	G	H	I	J	K
480KII	2246	1985	2336	7061	8025	1550	1874	907	800	942	937
560KII	2220	2085	2555	7643	8840	2195	1791	1415	850	960	895
660KII	2280	2125	2565	7783	9157	2195	1942	1415	850	960	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	○