Ningbo LK Injection Molding Machine Co., Ltd.

Address: No. 68, Wanquan Road, Beilun District, Ningbo, Zhejiang, China
E-mail: enquiry.nbjx@lk.world
Tel: 574 8611 6566
Fax: 574 5680 6058
Web: www.lk.world

www.lk.world

CAT.NO.:2024-03-19

LKIMM



ELETTRICA SERIES

ALL-ELECTRIC HIGH EFFICIENCY INJECTION MOLDING MACHINE

LK INJECTION MOLDING MACHINE

200000 +

Total sales volume

LK, strives for your success

LKIMM

GROUP PROFILE

LK Group was founded in 1979 in Hong Kong. In 2006, it was listed in Hong Kong Stock Exchange and ranked in the Top 500 China machinery manufacturing enterprises.

As one of the three major businesses of the Group, the core products of injection molding machine are: double/multi-color injection molding machine, precisie three-platen injection molding machine, large two-platen injection molding machine, electric injection molding machine and customized injection molding machine. The maximum clamping force of the two-platen injection molding machine could reach 7000T, which makes LK the industrial leader of the giga injection molding machine.

Two intelligent production bases in Ningbo and Zhongshan make an annual output of 10,000 sets.



MANUFACTURING STRENGTH

Advanced CNC machining center

Advanced excellent machining equipment provides guarantee for high precision and quality, as well as product flexibility, production efficiency and utilization.

LKIMM has auto spray paint booth, HSG laser cutting machine and special welding robot with hydraulic oil tank, internationally advanced heavy machining center like Spain Nicolas Correa, Japan Mitsubishi, Okuma, Amada and so on, which provide a solid guarantee for the high precision machining production. Otherwise, a bunch of well-educated and good-skilled operators make the parts pass rate 100%.


HSG laser cutting machine


Heavy CNC machining center

Intelligent integrated production solutions

Intelligent production solutions are to provide customers an integrated solution and strive for their success. Except machine itself, LK can also provide customers with peripheral equipment and automation equipment; furthermore, services for **factory planning, model selection, installation and commissioning, personnel training, process design, operation tracking and after-sales maintenance** are all available for customers.

" 24-hour fast service" is already realized in most region of China.




Small and middle size injection molding machine production line

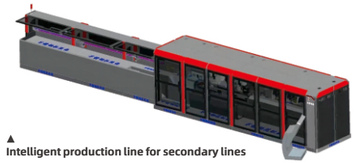

Large and middle size injection molding machine production line

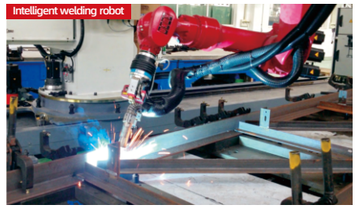
Digital factory

Abundant project input function modules, including equipment networking, alarms for lacking of material and stagnating, TPM management. In the future, we will realize collaborative manufacturing for different departments and supply chains, and intelligent injection molding and value-added services for customers. Thus, we can realize all data interconnectivity for all processes starting from procurement to raw material storage, sheet metal, CNC, accessories, assembly, delivery and even customer use.

Intelligent welding robot is in the service to make **a maximum output value per unit of labor, no-stop production, a more convenient application and a shorter cycle time.**

Otherwise, "intelligent automation production line for secondary lines" is introduced to LK to make an auto production, so as to improve production speed and reduce labor cost. Flow line layout design for this equipment, easy for operation; its system is in module design, and it can be extended and upgraded in the future; capable of connecting to MES system to further realize digitalized management.


▲
Intelligent production line for secondary lines


Intelligent welding robot

▲
Large CMM detection center

▲
Metallographic analysis

Quality assurance system

The excellent quality of LK injection molding machine originates from strict control to every machining and production process. Four major sectors are included in our quality assurance system, they are **raw material inspection, machining precision assurance, assembly process quality control and whole machine performance test**. For detection equipment, we introduced Germany Renishaw laser detection system, CMM measurement system for key parts; for whole machine performance test, we conduct production simulation for over 6500 times without stop. We guarantee 100% pass rate of machines through strict quality system control.

CORE ADVANTAGES

Precise Energy-saving High-efficient Clean

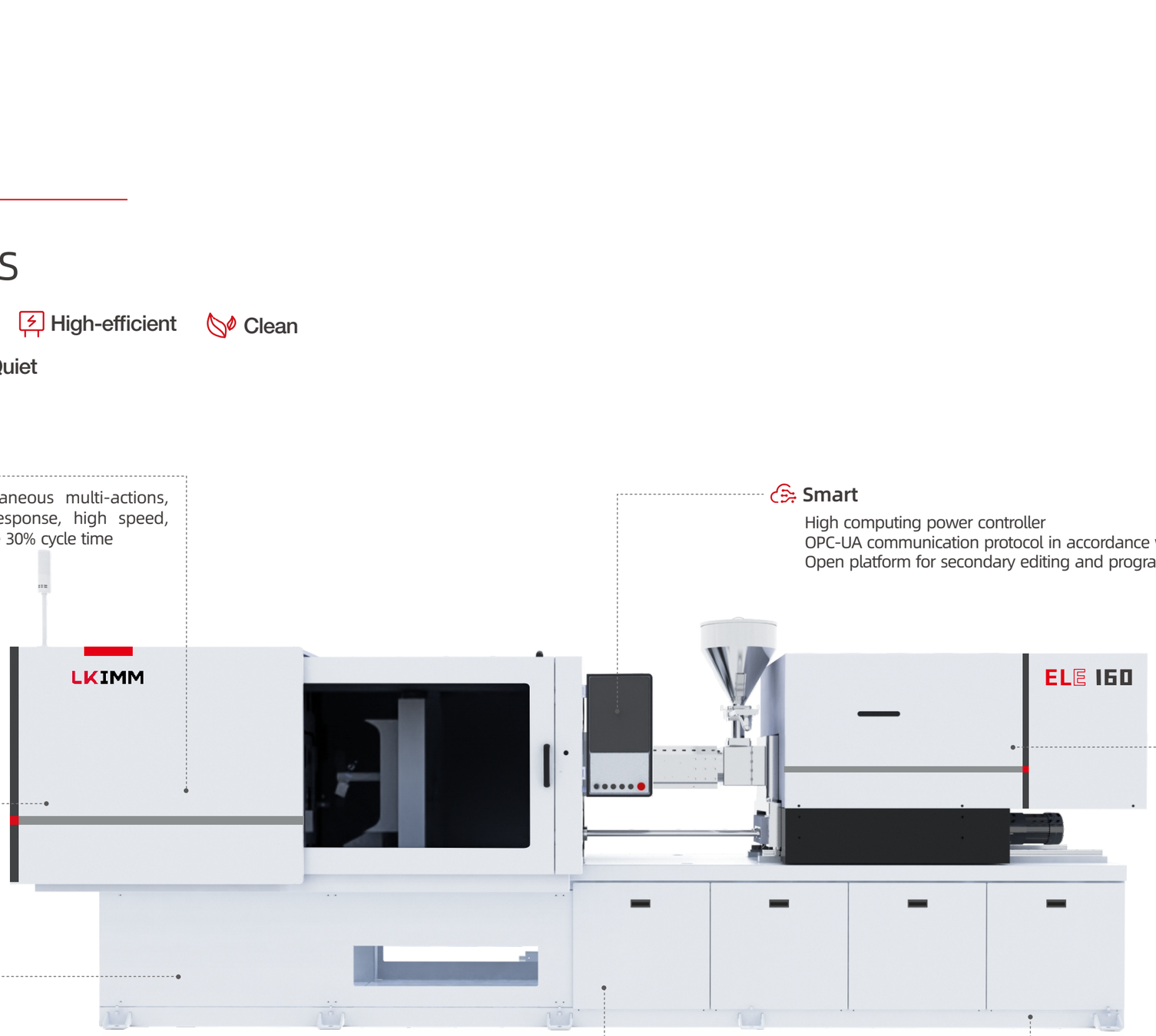
Safe Smart Quiet

High-efficient

Simultaneous multi-actions, fast response, high speed, reduce 30% cycle time

Smart

High computing power controller
OPC-UA communication protocol in accordance with EU-77
Open platform for secondary editing and programming



Quiet

Noises are 10dB lower than hydraulic machine

Precise

Precise control by motor with accuracy reach 0.01mm, product weight tolerance ≤0.1%

Safety

Mechanicl safe
Electric safe
Program safe
(double insurance to ensure a safer operation: program closed loop control and machine safety)

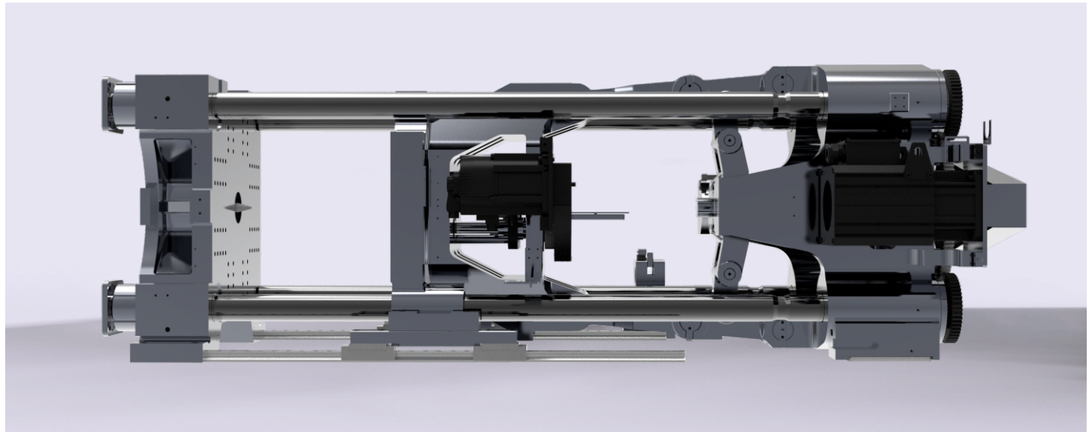
Clean

Cleanliness reaches GMP

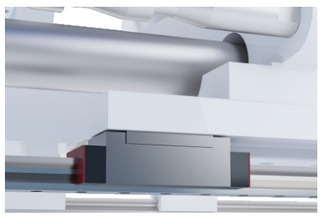
Energy-saving

Saves 30%+ energy compared with conventional hydraulic machine

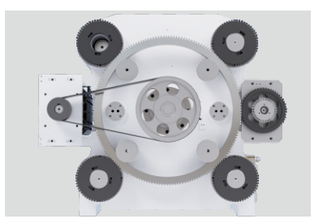
LOCKING UNIT



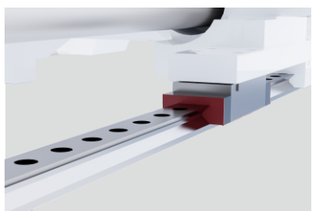
1. Controlled accuracy reaches 0.01mm in closing position



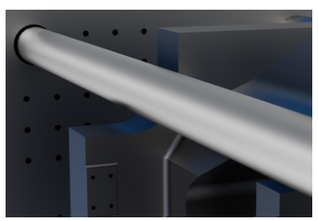
2. Short cycle time, the max. speed of closing reaches 1000mm/s



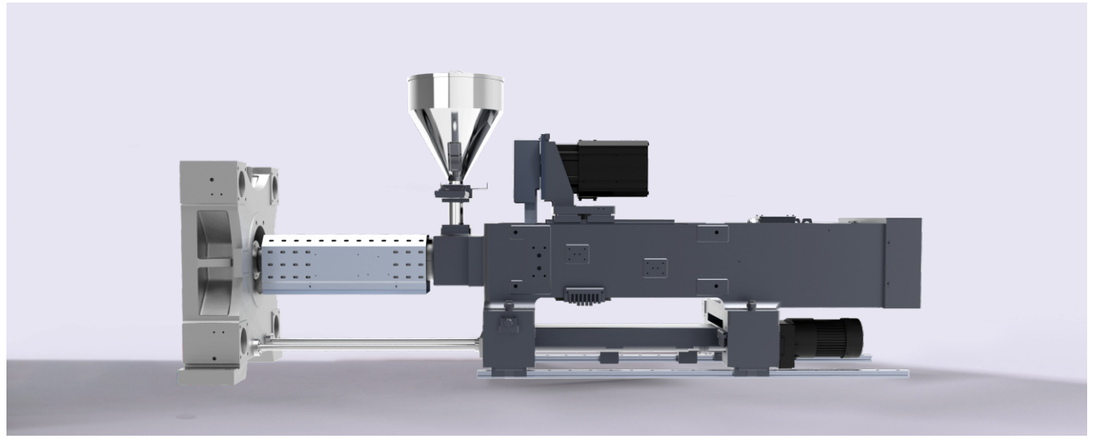
3. Good performance and low energy consumption of linear guide way



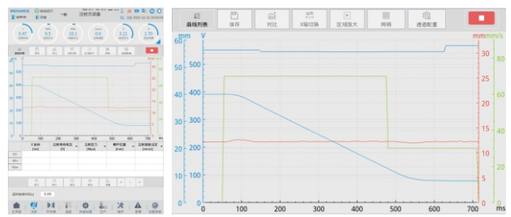
4. Non-contact tie bar, high cleanliness



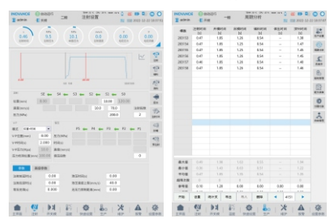
INJECTION UNIT



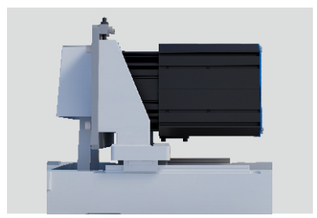
1. Product weight tolerance ≤0.1%



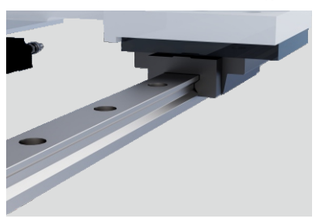
2. 4 VP switch function (time, position, pressure or mold pressure signal)



3. Accelerating speed of injection reaches 1G



4. Good performance and low energy consumption of linear guide way

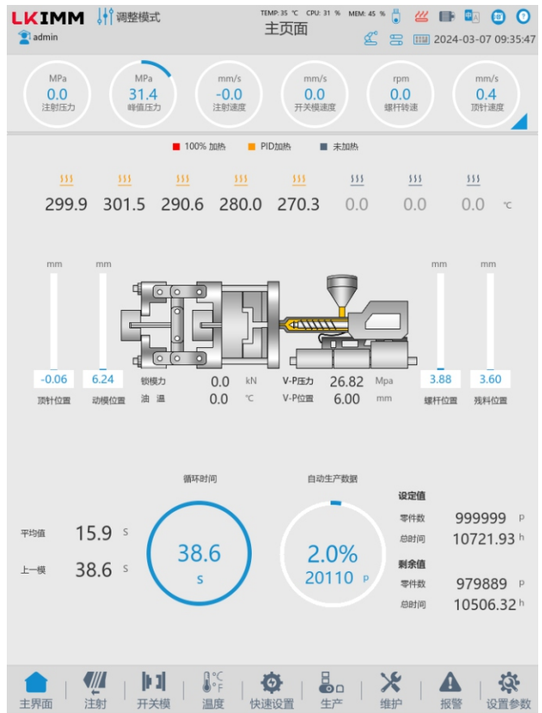


CONTROL UNIT

Performance advantage

- Use Intel high performance CPU, full closed-loop control with accuracy 0.01mm of each axis, pressure deviation 0.1mpa
- 4GB DDR4+SSD 512GB, capable to save 5 million shots of process data, 5000 sets of mold parameter and 100 thousand operation records. Support batch input and output in excel and pdf format.
- Self developed core technology and software. Tailored software for customers with a higher production volume.
- Support OPC-UA and Modbus, capable to collect and process production data, tailored data service available.
- CNC platform from Germany PA, mature and reliable
- Support for IOT remote data collecting and service. Fast response for technicians to solve customers concern online.





Function demonstration of UI page

Intel CPU

Standard for Intel Atom x6425RE high performance CPU



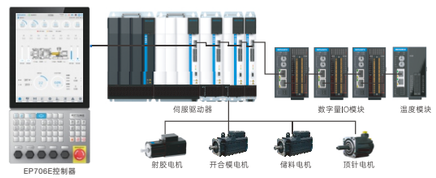
Tailored Operation Screen

Tailored operation page, smooth operation, better vision, friendlier page, 15-inch screen



Control system

High-level control accuracy to ensure the stability of product



Ethernet

Open platform makes the interact of production data more convenient



EtherCAT

Digital management system for Internet archive easier to realize digital factory

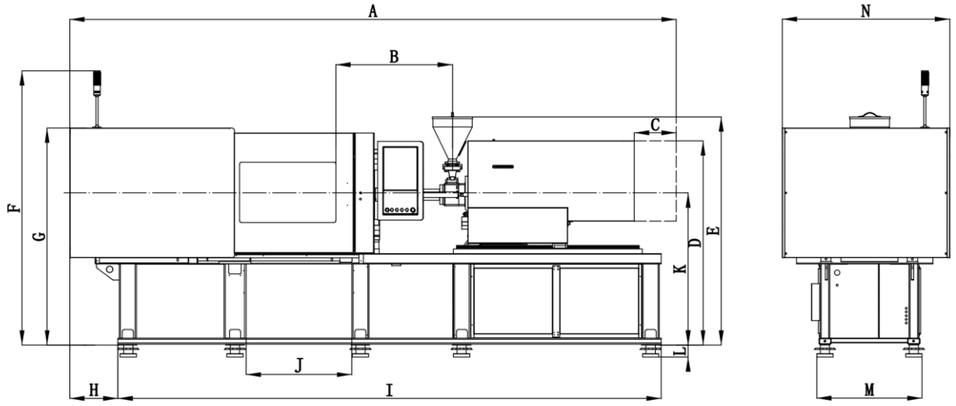


Specifications ELE100

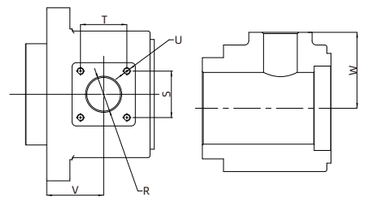
Item	Unit	ELE100								
Clamping unit										
Clamping force	kN	1000								
Opening stroke	mm	320								
Mold thickness (Min)	mm	150								
Mold thickness (Max)	mm	410								
Maximum daylight	mm	730								
Space between tie bars (HxV)	mm	420×420								
Minimum mold size	mm	295×295								
Ejector stroke	mm	80								
Ejector force	kN	25								
Platen Size(HxV)	mm	600×600								
Injection unit										
Screw type		A	B	C	A	B	C	A	B	C
Screw diameter	mm	22	26	30	26	28	30	28	32	36
Screw L/D ratio		22	21	19.6	21	21	19.6	22	22	19.5
Injection volume	cc	42	58	78	61	71	81	80	105	132
Injection weight	g	38	53	71	56	64	74	73	95	120
Plasticizing capacity	kg/h	22	32	47	32	40	47	40	58	70
Injection pressure	MPa	290	210	160	260	225	190	260	200	160
Holding pressure	MPa	230	165	125	200	180	150	205	160	125
Injection stroke	mm	110			115			130		
Screw rpm	rpm	400								
Nozzle contact force	kN	19.6								
Injection unit		130I			170I			220I		
Injection Speed	mm/s	200			200			200		
Injection unit		130M			170M			220M		
Injection Speed	mm/s	350			350			350		
Others										
Total Electrical Capacity	kW/A	130I:15/27 130M:15/27			170I:15/26 170M:20/36			220I:17/31 220M:25/45		

When you are molding PVC, PC, ABS (fireproof), PMMA, POM and other engineering plastic products or have other special requirements, please contact our company.
This parameter is subject to the actual data;
The company reserves the right to modify the technical parameters without prior notice

Machine Dimensions ELE100

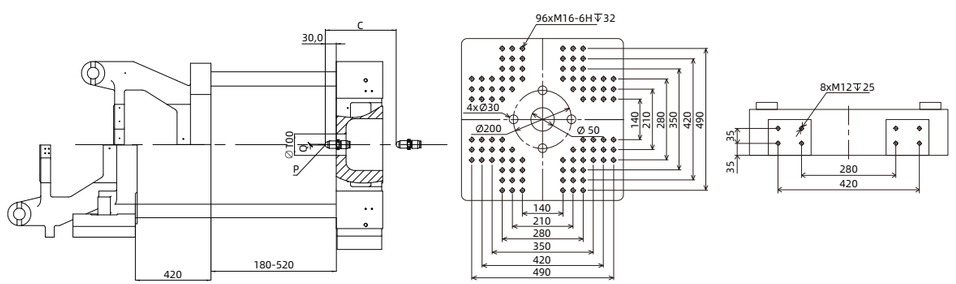


	A	B	C	D	E	F	G	H	I	J	K	L	M	N
130I/130M	4387	697	340	1693	1848	2164	1700	360	4255	565	1226	62-87	970	1260
170I/170M	4535	697	340	1715	1848	2164	1700	360	4255	565	1226	62-87	970	1260
220I/220M	4658	793	340	1733	1858	2164	1700	360	4255	565	1226	62-87	970	1260



	P	Q	R	S	T	U	V	W
130I/130M	∅2.5	SR10	40	60	60	M12	105	110
170I/170M	∅2.5	SR10	40	60	60	M12	105	110
220I/220M	∅2.5	SR10	40	60	60	M12	115	120

Platen Dimensions ELE100

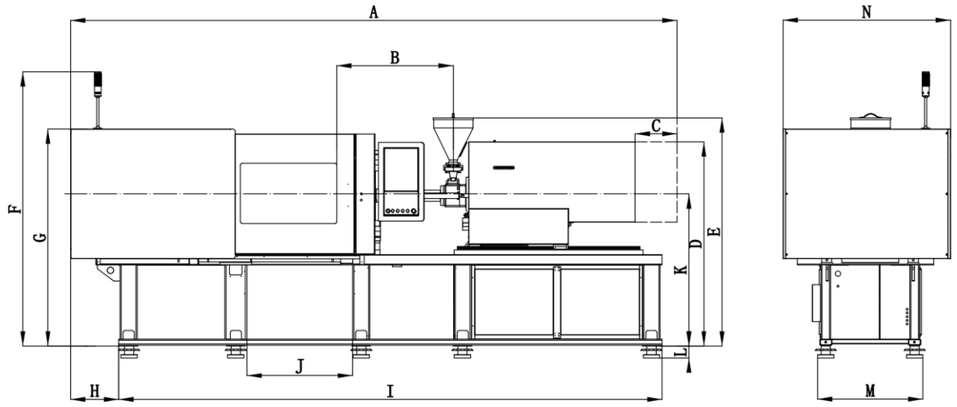


Specifications ELE130

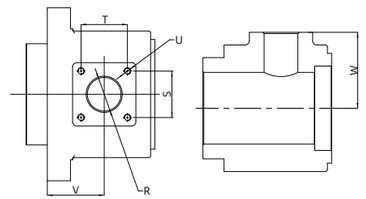
Item	Unit	ELE130								
Clamping unit										
Clamping force	kN	1300								
Opening stroke	mm	360								
Mold thickness (Min)	mm	150								
Mold thickness (Max)	mm	480								
Maximum daylight	mm	840								
Space between tie bars (HxV)	mm	470×470								
Minimum mold size	mm	330×330								
Ejector stroke	mm	100								
Ejector force	kN	32								
Platen Size(HxV)	mm	670×670								
Injection unit										
Screw type		A	B	C	A	B	C	A	B	C
Screw diameter	mm	26	28	30	28	32	36	32	36	40
Screw L/D ratio		21	21	19.6	22	22	19.5	22	22	19.8
Injection volume	cc	61	71	81	80	105	132	121	153	188
Injection weight	g	56	64	74	73	95	120	110	139	171
Plasticizing capacity	kg/h	32	40	47	40	58	70	60	72	100
Injection pressure	MPa	260	225	190	260	200	160	250	200	160
Holding pressure	MPa	200	180	150	205	160	125	200	160	125
Injection stroke	mm	115			130			150		
Screw rpm	rpm	400								
Nozzle contact force	kN	19.6						29.4		
Injection unit		170I			220I			310I		
Injection Speed	mm/s	200			200			200		
Injection unit		170M			220M			310M		
Injection Speed	mm/s	350			350			300		
Others										
Total Electrical Capacity	kW/A	170I:15/26 170M:20/36			220I:15/28 220M:25/45			310I:22/40 310M:26/47		

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Machine Dimensions ELE130

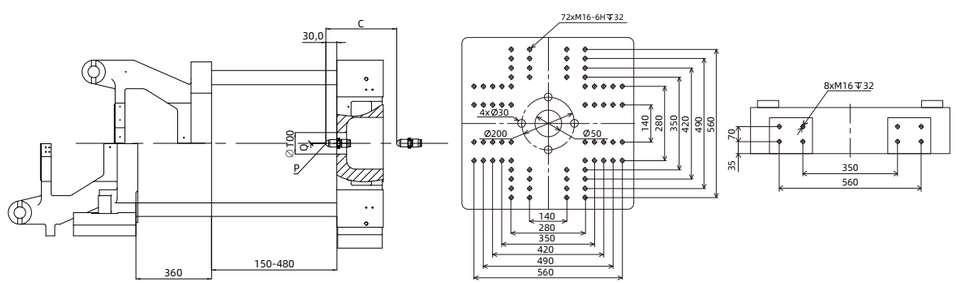


	A	B	C	D	E	F	G	H	I	J	K	L	M	N
170I/170M	4762	697	340	1750	1883	2257	1792	395	4500	785	1262	62-87	1050	1270
220I/220M	4814	719	340	1768	1893	2257	1792	395	4500	785	1262	62-87	1050	1270
310I/310M	5051	864	340	1743	1893	2257	1792	395	4500	785	1262	62-87	1050	1270



	P	Q	R	S	T	U	V	W
170I/170M	∅2.5	SR10	40	60	60	M12	105	110
220I/220M	∅2.5	SR10	40	60	60	M12	115	120
310I/310M	∅2.5	SR10	40	60	60	M12	105	115

Platen Dimensions ELE130

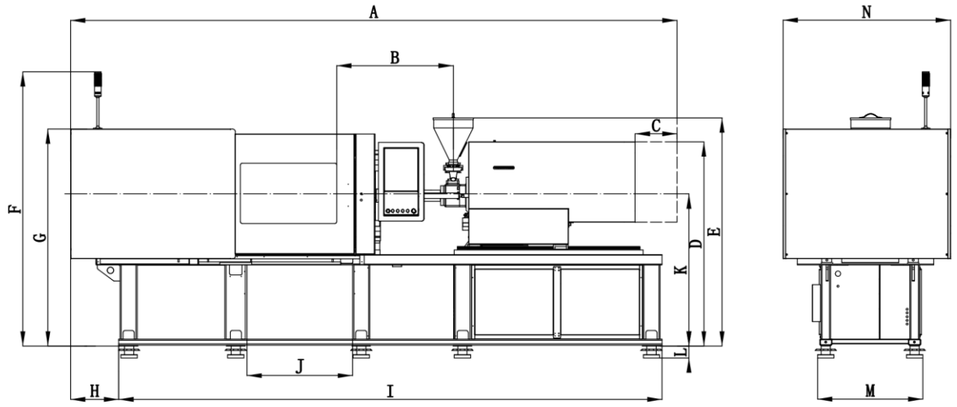


Specifications ELE160

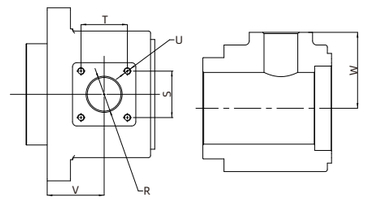
Item	Unit	ELE160								
Clamping unit										
Clamping force	kN	1600								
Opening stroke	mm	420								
Mold thickness (Min)	mm	180								
Mold thickness (Max)	mm	520								
Maximum daylight	mm	940								
Space between tie bars (HxV)	mm	520×520								
Minimum mold size	mm	365×365								
Ejector stroke	mm	120								
Ejector force	kN	32								
Platen Size(HxV)	mm	700×700								
Injection unit										
Screw type		A	B	C	A	B	C	A	B	C
Screw diameter	mm	28	32	36	32	36	40	36	40	45
Screw L/D ratio		22	22	19.5	22	22	19.8	22	22	19.5
Injection volume	cc	80	105	132	121	153	188	178	220	278
Injection weight	g	73	95	120	110	139	171	162	200	253
Plasticizing capacity	kg/h	40	58	70	60	72	100	79	108	151
Injection pressure	MPa	260	200	160	250	200	160	245	200	155
Holding pressure	MPa	205	160	125	200	160	125	195	160	120
Injection stroke	mm	130			150			175		
Screw rpm	rpm	400								
Nozzle contact force	kN	19.6			29.4					
Injection unit		220I			310I			450I		
Injection Speed	mm/s	200			200			200		
Injection unit		220M			310M			450M		
Injection Speed	mm/s	350			300			300		
Others										
Total Electrical Capacity	kW/A	220I:17/30 220M:25/45			310I:22/40 310M:26/47			450I:22/39 450M:38/69		

When you are molding PVC, PC, ABS (fireproof), PMMA, POM and other engineering plastic products or have other special requirements, please contact our company.
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Machine Dimensions ELE160

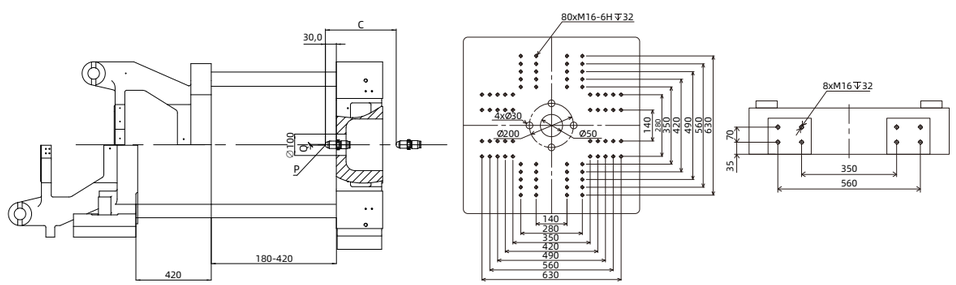


	A	B	C	D	E	F	G	H	I	J	K	L	M	N
220I/220M	5000	719	340	1793	1917	2300	1836	300	5113	785	1286	62-87	1113	1403
310I/310M	5237	864	340	1768	1917	2300	1836	300	5113	785	1286	62-87	1113	1403
450I/450M	5887	1019	453	1823	1985	2300	1836	300	5113	785	1286	62-87	1113	1403



	P	Q	R	S	T	U	V	W
220I/220M	∅2.5	SR10	40	60	60	M12	115	120
310I/310M	∅2.5	SR10	40	60	60	M12	105	115
450I/450M	∅3	SR10	50	85	85	M10	104	130

Platen Dimensions ELE160

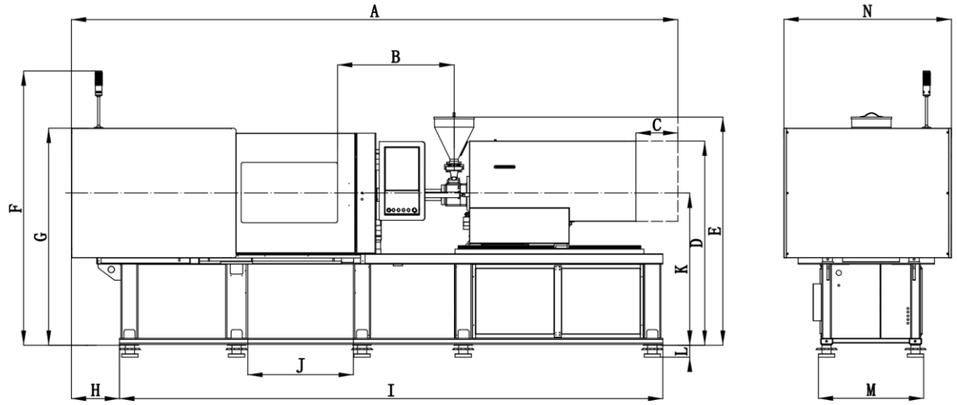


Specifications ELE200

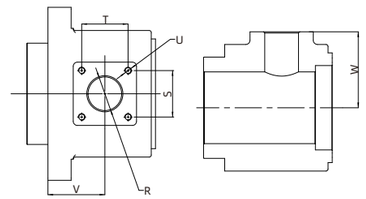
Item	Unit	ELE200								
Clamping unit										
Clamping force	kN	2000								
Opening stroke	mm	470								
Mold thickness (Min)	mm	200								
Mold thickness (Max)	mm	550								
Maximum daylight	mm	1020								
Space between tie bars (HxV)	mm	570×570								
Minimum mold size	mm	400×400								
Ejector stroke	mm	150								
Ejector force	kN	49								
Platen Size(HxV)	mm	820×820								
Injection unit										
Screw type		A	B	C	A	B	C	A	B	C
Screw diameter	mm	32	36	40	36	40	45	40	45	50
Screw L/D ratio		22	22	19.8	22	22	19.5	22	22	19.8
Injection volume	cc	121	153	188	178	220	278	264	334	412
Injection weight	g	110	139	171	162	200	253	240	304	375
Plasticizing capacity	kg/h	60	72	100	79	108	151	97	140	180
Injection pressure	MPa	250	200	160	245	200	155	240	190	155
Holding pressure	MPa	200	160	125	195	160	120	190	150	120
Injection stroke	mm	150			175			210		
Screw rpm	rpm	400						350		
Nozzle contact force	kN	29.4								
Injection unit		310I			450I			650I		
Injection Speed	mm/s	200			200			160		
Injection unit		310M			450M			650M		
Injection Speed	mm/s	300			300			250		
Others										
Total Electrical Capacity	kW/A	310I:22/40 310M:26/47			450I:23/41 450M:38/69			650I:26/47 650M:32/58		

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Machine Dimensions ELE200

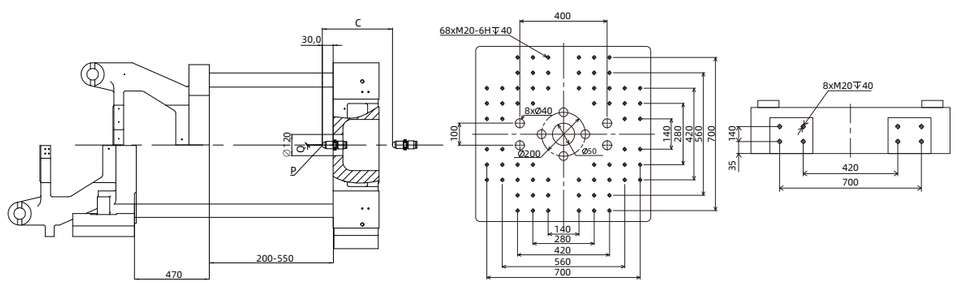


	A	B	C	D	E	F	G	H	I	J	K	L	M	N
310I/310M	5449	864	340	1848	1997	2436	1971	397	5320	825	1366	62-87	1160	1583
450I/450M	6100	1019	453	1903	2065	2436	1971	397	5320	825	1366	62-87	1160	1583
650I/650M	6192	1074	453	1903	2065	2436	1971	397	5320	825	1366	62-87	1160	1583



	P	Q	R	S	T	U	V	W
310I/310M	∅2.5	SR10	40	60	60	M12	105	115
450I/450M	∅3	SR10	50	85	85	M10	104	130
650I/650M	∅3	SR10	50	85	85	M10	152	130

Platen Dimensions ELE200

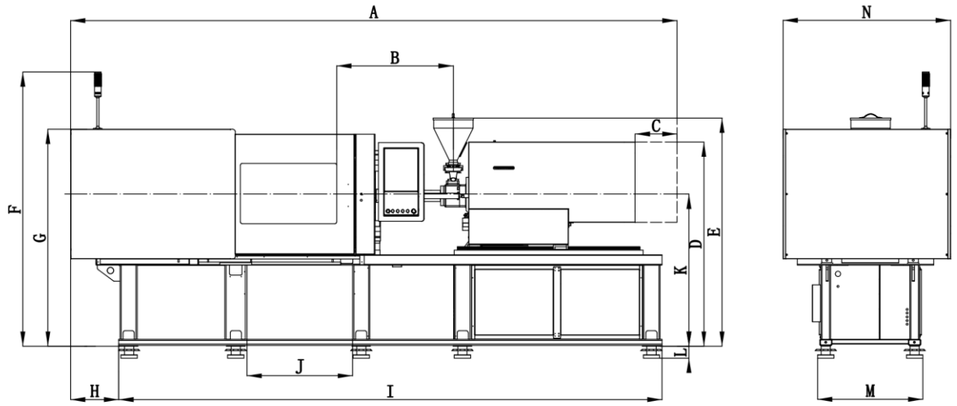


Specifications ELE250

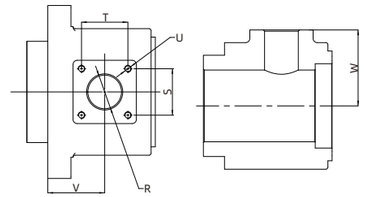
Item	Unit	ELE250								
Clamping unit										
Clamping force	kN	2500								
Opening stroke	mm	550								
Mold thickness (Min)	mm	220								
Mold thickness (Max)	mm	600								
Maximum daylight	mm	1150								
Space between tie bars (HxV)	mm	620×620								
Minimum mold size	mm	435×435								
Ejector stroke	mm	150								
Ejector force	kN	49								
Platen Size(HxV)	mm	900×900								
Injection unit										
Screw type		A	B	C	A	B	C	A	B	C
Screw diameter	mm	36	40	45	40	45	50	45	50	55
Screw L/D ratio		22	22	19.5	22	22	19.8	22	22	19.8
Injection volume	cc	178	220	278	264	334	412	350	432	523
Injection weight	g	162	200	253	240	304	375	318	393	475
Plasticizing capacity	kg/h	79	108	151	97	140	180	126	166	216
Injection pressure	MPa	245	200	155	240	190	155	240	195	160
Holding pressure	MPa	195	160	120	190	150	120	190	155	125
Injection stroke	mm	175			210			220		
Screw rpm	rpm	400			350			320		
Nozzle contact force	kN	29.4						54		
Injection unit		450I			650I			860I		
Injection Speed	mm	200			160			160		
Injection unit		450M			650M			860M		
Injection Speed	mm	300			250			250		
Others										
Total Electrical Capacity	kW/A	450I:32/57 450M:38/69			650I:33/59 650M:33/59			860I:35/63 860M:46/83		

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Machine Dimensions **ELE250**

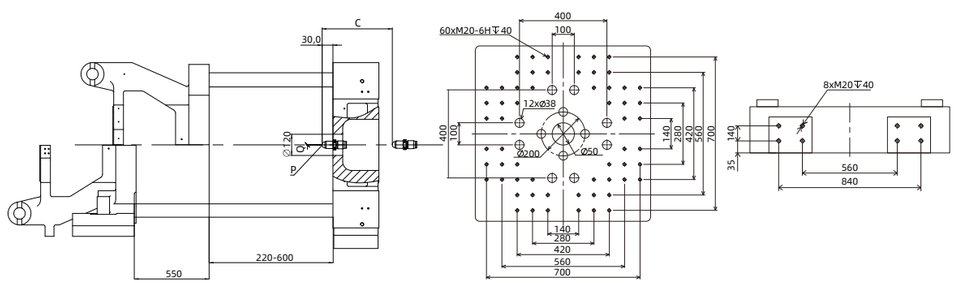


	A	B	C	D	E	F	G	H	I	J	K	L	M	N
450I/450M	6405	1019	453	1990	2148	2300	1993	298	6130	800	1453	62-87	1249	1564
650I/650M	6498	1074	453	1990	2148	2300	1993	298	6130	800	1453	62-87	1249	1564
860I/860M	6862	1181	565	2093	2298	2300	1993	298	6130	800	1453	62-87	1249	1564



	P	Q	R	S	T	U	V	W
450I/450M	∅3	SR10	50	85	85	M10	104	130
650I/650M	∅3	SR10	50	85	85	M10	152	130
860I/860M	∅3	SR10	65	110	110	M10	113	160

Platen Dimensions **ELE250**

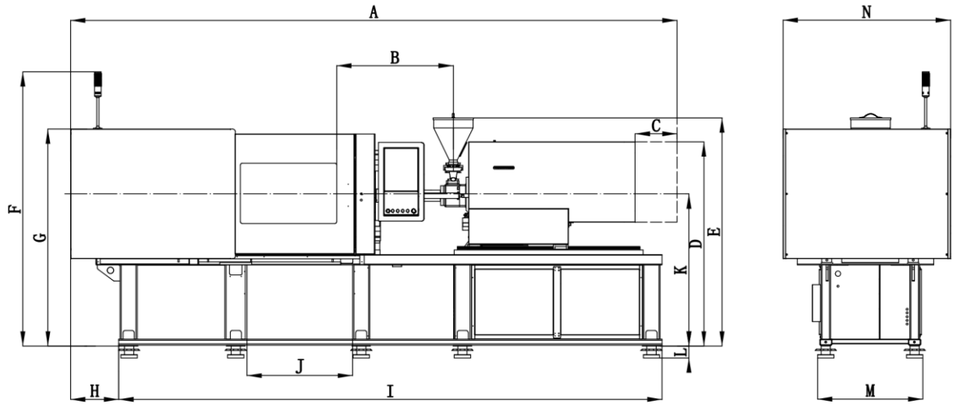


Specifications ELE300

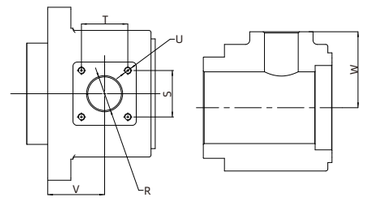
Item	Unit	ELE300								
Clamping unit										
Clamping force	kN	3000								
Opening stroke	mm	600								
Mold thickness (Min)	mm	280								
Mold thickness (Max)	mm	650								
Maximum daylight	mm	1250								
Space between tie bars (HxV)	mm	730×730								
Minimum mold size	mm	510×510								
Ejector stroke	mm	160								
Ejector force	kN	60								
Platen Size(HxV)	mm	1020×1020								
Injection unit										
Screw type		A	B	C	A	B	C	A	B	C
Screw diameter	mm	45	50	55	50	55	60	55	60	65
Screw L/D ratio		22	22	19.8	22	22	20	22	20	18.5
Injection volume	cc	350	432	523	471	570	679	653	778	913
Injection weight	g	318	393	475	428	518	617	594	707	830
Plasticizing capacity	kg/h	126	166	216	187	230	270	194	230	256
Injection pressure	MPa	240	195	160	215	180	150	210	175	150
Holding pressure	MPa	190	155	125	190	160	135	185	155	135
Injection stroke	mm	220			240			275		
Screw rpm	rpm	320			320			300		
Nozzle contact force	kN	54								
Injection unit		860I			1100I			1400I		
Injection Speed	mm	160			160			160		
Injection unit		860M			1100M			1400M		
Injection Speed	mm	250			250			250		
Others										
Total Electrical Capacity	kW/A	860I:35/63 860M:46/83			1100I:56/101 1100M:56/101			1400I:59/105 1400M:62/112		

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Machine Dimensions ELE300

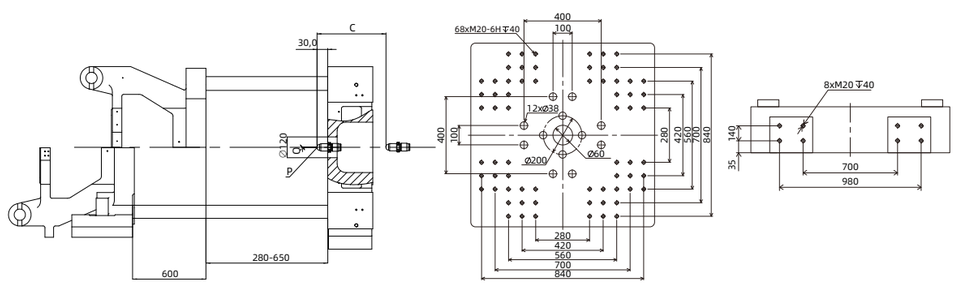


	A	B	C	D	E	F	G	H	I	J	K	L	M	N
860I/860M	7273	1181	565	2050	2255	2371	2008	527	6500	1012	1410	67-90	1534	1900
1100I/1100M	7427	1535	565	2050	2255	2371	2008	527	6500	1012	1410	67-90	1534	1900
1400I/1400M	7741	1620	565	2137	2275	2371	2008	527	6500	1012	1410	67-90	1534	1900



	P	Q	R	S	T	U	V	W
860I/860M	∅3	SR10	65	110	110	M10	113	160
1100I/1100M	∅3	SR10	82	110	110	M10	148	160
1400I/1400M	∅3	SR10	85	110	110	M10	140	180

Platen Dimensions ELE300

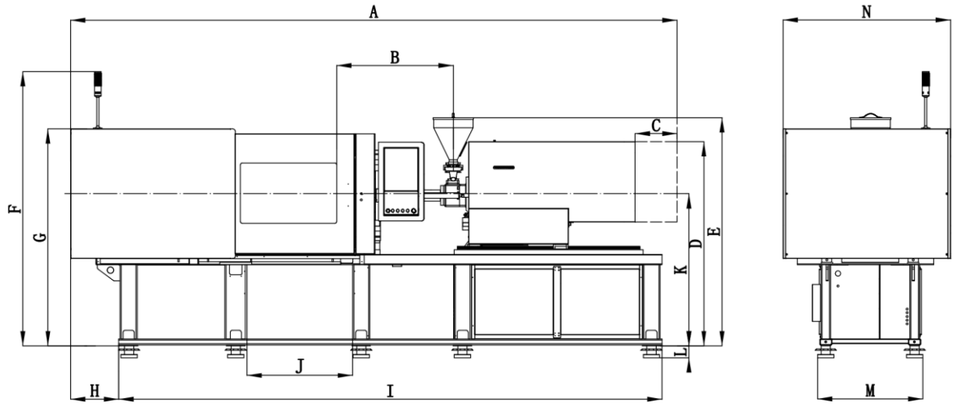


Specifications ELE360

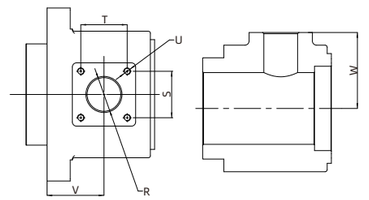
Item	Unit	ELE360								
Clamping unit										
Clamping force	kN	3600								
Opening stroke	mm	720								
Mold thickness (Min)	mm	320								
Mold thickness (Max)	mm	720								
Maximum daylight	mm	1440								
Space between tie bars (HxV)	mm	820×820								
Minimum mold size	mm	575×575								
Ejector stroke	mm	160								
Ejector force	kN	60								
Platen Size(HxV)	mm	1150×1150								
Injection unit										
Screw type		A	B	C	A	B	C	A	B	C
Screw diameter	mm	50	55	60	55	60	65	60	65	70
Screw L/D ratio		22	22	20	22	20	18.5	21.5	20	18.5
Injection volume	cc	471	570	679	653	778	913	792	929	1078
Injection weight	g	428	518	617	594	707	830	720	845	980
Plasticizing capacity	kg/h	187	230	270	194	230	256	205	245	259
Injection pressure	MPa	215	180	150	210	175	150	210	180	155
Holding pressure	MPa	190	160	135	185	155	135	185	160	135
Injection stroke	mm	240			275			280		
Screw rpm	rpm	320			300			250		
Nozzle contact force	kN	54								
Injection unit		1100I			1400I			1700I		
Injection Speed	mm	160			160			160		
Injection unit		1100M			1400M			1700M		
Injection Speed	mm	250			250			250		
Others										
Total Electrical Capacity	kW/A	1100I:56/101 1100M:56/101			1400I:59/105 1400M:62/112			1700I:69/123 1700M:72/129		

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Machine Dimensions **ELE360**

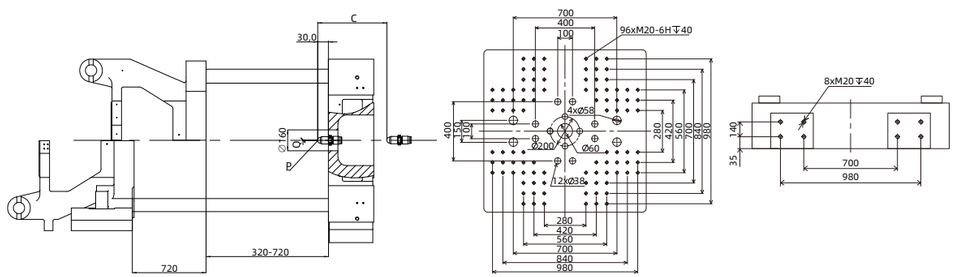


	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1100I/1100M	7570	1300	565	2040	2245	2476	2053	406	6994	935	1400	67-90	1639	2025
1400I/1400M	7875	1611	565	2127	2265	2476	2053	406	6994	935	1400	67-90	1639	2025
1700I/1700M	8133	1780	610	2127	2265	2476	2053	406	6994	935	1400	67-90	1639	2025



	P	Q	R	S	T	U	V	W
1100I/1100M	∅3	SR10	82	110	110	M10	148	160
1400I/1400M	∅3	SR10	85	110	110	M10	140	180
1700I/1700M	∅3	SR10	85	110	110	M10	185	180

Platen Dimensions **ELE360**

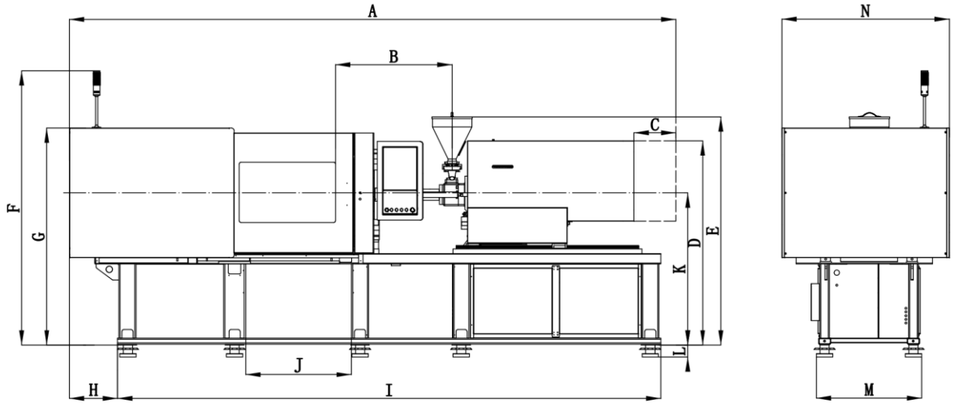


Specifications ELE450

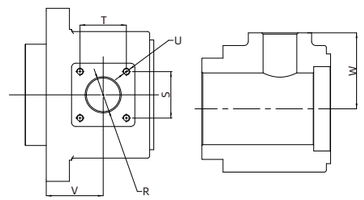
Item	Unit	ELE450											
Clamping unit													
Clamping force	kN	4500											
Opening stroke	mm	800											
Mold thickness (Min)	mm	350											
Mold thickness (Max)	mm	810											
Maximum daylight	mm	1610											
Space between tie bars (HxV)	mm	920×920											
Minimum mold size	mm	645×645											
Ejector stroke	mm	180											
Ejector force	kN	100											
Platen Size(HxV)	mm	1280×1280											
Injection unit													
Screw type		A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	50	60	65	60	65	70	65	70	80	75	80	90
Screw L/D ratio		22	20	18.5	21.5	20	18.5	21.5	20	17.5	21.5	20	17.5
Injection volume	cc	653	778	913	792	929	1078	1062	1232	1608	1635	1860	2354
Injection weight	g	594	707	830	720	845	980	965	1120	1462	1486	1691	2140
Plasticizing capacity	kg/h	194	230	256	205	245	259	202	234	288	223	288	360
Injection pressure	MPa	210	175	150	210	180	155	210	180	135	205	180	140
Holding pressure	MPa	185	155	135	185	160	135	185	160	120	180	160	125
Injection stroke	mm	275			280			320			370		
Screw rpm	rpm	300			250			210			185		
Nozzle contact force	kN	54						63.7					
Injection unit		1400I			1700I			2250I			3350I		
Injection Speed	mm	160			160			160			160		
Injection unit		1400M			1700M			2250M			3350M		
Injection Speed	mm	250			250			250			250		
Others													
Total Electrical Capacity	kW/A	1400I:62/112 1400M:62/112			1700I:69/123 1700M:72/129			2250I:115/206 2250M:115/206			3350I:118/211 3350M:134/240		

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Machine Dimensions **ELE450**

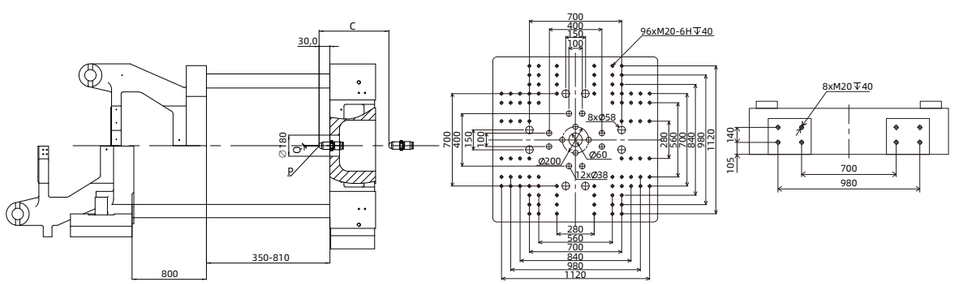


	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1400I/1400M	8340	1388	565	2128	2266	2524	2121	511	8016	1050	1400	67-90	1690	2183
1700I/1700M	8566	1525	610	2128	2266	2524	2121	511	8016	1050	1400	67-90	1690	2183
2250I/2250M	8630	1633	610	2115	2515	2524	2121	511	8016	1050	1400	67-90	1690	2183
3350I/3350M	8780	1841	610	2115	2515	2524	2121	511	8016	1050	1400	67-90	1690	2183



	P	Q	R	S	T	U	V	W
1400I/1400M	∅3	SR10	85	110	110	M10	140	180
1700I/1700M	∅3	SR10	85	110	110	M10	185	180
2250I/2250M	∅4	SR15	80	110	110	M10	135	180
3350I/3350M	∅4	SR15	80	110	110	M10	135	180

Platen Dimensions **ELE450**

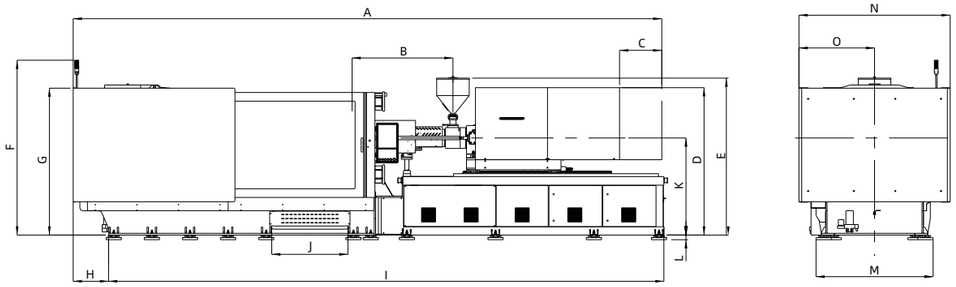


Specifications ELE550

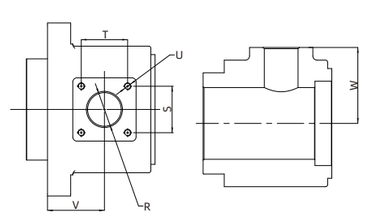
Item	Unit	ELE550											
Clamping unit													
Clamping force	kN	5500											
Opening stroke	mm	900											
Mold thickness (Min)	mm	400											
Mold thickness (Max)	mm	900											
Maximum daylight	mm	1800											
Space between tie bars (HxV)	mm	970×970											
Minimum mold size	mm	679×679											
Ejector stroke	mm	180											
Ejector force	kN	150											
Platen Size(HxV)	mm	1380×1380											
Injection unit													
Screw type		A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	50	60	65	60	65	70	65	70	80	75	80	90
Screw L/D ratio		22	20	18.5	21.5	20	18.5	21.5	20	17.5	21.5	20	17.5
Injection volume	cc	653	778	913	792	929	1078	1062	1232	1608	1635	1860	2354
Injection weight	g	594	707	830	720	845	980	965	1120	1462	1486	1691	2140
Plasticizing capacity	kg/h	194	230	256	205	245	259	202	234	288	223	288	360
Injection pressure	MPa	210	175	150	210	180	155	210	180	135	205	180	140
Holding pressure	MPa	185	155	135	185	160	135	185	160	120	180	160	125
Injection stroke	mm	275			280			320			370		
Screw rpm	rpm	300			250			210			185		
Nozzle contact force	kN	54						63.7					
Injection unit		1400I			1700I			2250I			3350I		
Injection Speed	mm	160			160			160			160		
Injection unit		1400M			1700M			2250M			3350M		
Injection Speed	mm	250			250			250			250		
Others													
Total Electrical Capacity	kW/A	1400I:71/126 1400M:71/126			1700I:72/129 1700M:72/129			2250I:115/206 2250M:115/206			3350I:118/211 3350M:134/240		

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Machine Dimensions **ELE550**

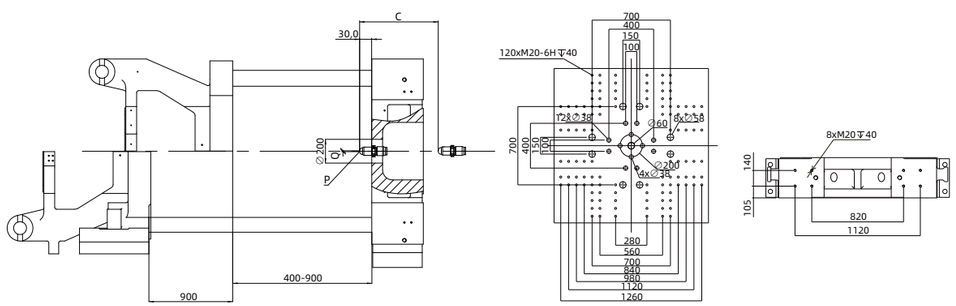


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1400I/1400M	8810	1388	565	2115	2275	2604	2180	660	7935	/	1390	67-90	1790	2270	1165
1700I/1700M	9035	1525	610	2115	2275	2604	2180	660	7935	/	1390	67-90	1790	2270	1165
2250I/22500M	8600	1633	610	2100	2500	2604	2180	660	7935	/	1390	67-90	1790	2270	1165
3350I/33500M	8950	1841	610	2100	2500	2604	2180	660	7935	/	1390	67-90	1790	2270	1165



	P	Q	R	S	T	U	V	W
1400I/1400M	∅3	SR10	85	110	110	M10	140	180
1700I/1700M	∅3	SR10	85	110	110	M10	185	180
2250I/22500M	∅4	SR15	80	110	110	M10	135	180
3350I/3350M	∅4	SR15	80	110	110	M10	135	180

Platen Dimensions **ELE550**



STANDARD CONFIGURATION

Injection unit

- Nitride coated screw unit
- Injection nozzle protective cover
- 5-stage control for injection pressure and speed
- 5-stage control for holding pressure and speed
- 5-stage control for melting pressure and speed
- 5-stage control for back pressure and speed
- Screw decompressed function
- Screw decompressed delay function
- Pre-injection delay function
- Pre-plasticizing delay function
- Injection compression function
- V/P switchover
- Injection speed response mode selection
- Injection pressure multi-stage stage control
- Holding pressure speed setting
- Screw position setting
- Screw rpm speed setting
- Holding pressure time setting
- Parallel plasticizing and mold opening function
- Barrel heating temperature closed loop control
- Barrel heat preservation function
- Barrel temperature control self calibration function
- Barrel pre-heating function
- Cold material purging function
- Screw cold start protection
- Screw rpm display function
- Screw unit displacement setting (open close inspection, displacement time)
- Coaxiality adjustment device for nozzle
- Independent nozzle temperature control function
- Integrated injection unit structure (linear guide movement)
- Carriage centralized lubrication device

Clamping unit

- 5 stage mold open and close control
- Low pressure mold protection function
- Low speed low pressure mold opening and closing function
- Injection compression function
- Pre-release high pressure during cooling
- Double die closing
- Mold closing core puller function
- Safety mold close device
- Clamping force setting
- Ejector pins function
- Ejector program control
- Selection for ejector pin movement in the graphic
- Ejection delay function
- Ejection vibrate function
- Mold open and ejection simutanously
- Confirmation checking device for ejector plate return
- Mold cooling water distribution device
- Embedded type locating ring
- Mold installation mode
- Needle valve injection
- Emergency stop function
- Robot arm mounting holes
- Centralized lubrication system

Control unit

- 15-inch touch screen
- Forming condition memory function
- Multi-language selection
- Alarm record
- Production parameter change record
- USB interface
- Injection pressure, speed graphic display
- Mechanical arm interface of Euromap 12
- Power-failure Self-protection Function
- Machine status home page display
- Quick parameter setting function
- Clamping force graphic curve display monitoring function
- Barrel heating inspection function
- Cycle time sequential motion display function
- 3 color alarm lamp (red, yellow, green)+ buzzer
- Real value display function
- Selection function for exception handling
- I/O inspection display function
- Cycle time monitoring function
- Production management function
- Production memory record function
- Forming data graph function
- Estimation function of forming quality
- Quality abnormal alarm function
- Shot count function

Others

- LK standard color
- Enclosed type safety door
- Adjustable shock proof leveling pads
- 2 units 16A electrical industrial socket
  1 unit 32A electrical industrial socket
- Common-used tool box
- Common-used spare parts
- Machine hood

OPTIONAL CONFIGURATION

Injection unit

- Stainless steel hopper
- Other nozzles
- Other screws
- Hopper and hopper slider

Clamping unit

- Fixed and moving platen air blow
- Pneumatic air ejection function
- Pneumatic core valves
- Hot runner needle valve control
- Glass tube flow meter
- Special customized platen
- Higher ejection force function
- Auto mold clamp device
- Electric door at operator side
- Clamping force closed loop control
- Finished part falling detection device
- Hydraulic core valves

Control unit

- Mold temperature monitoring and control
- Quality segregation electrical port
- Heating device wiring broken detection function
- Extra cooling water circuits
- Real-time Energy Consumption Monitoring
- External transformer
- Euromap 67 electric interface for mechanical arm
- Electric interface for magnetic platen
- Electric interface for mold cavity pressure detection

Others

- Special machine color
- Infrared barrel hearting device
- Barrel temperature keeping with energy saving