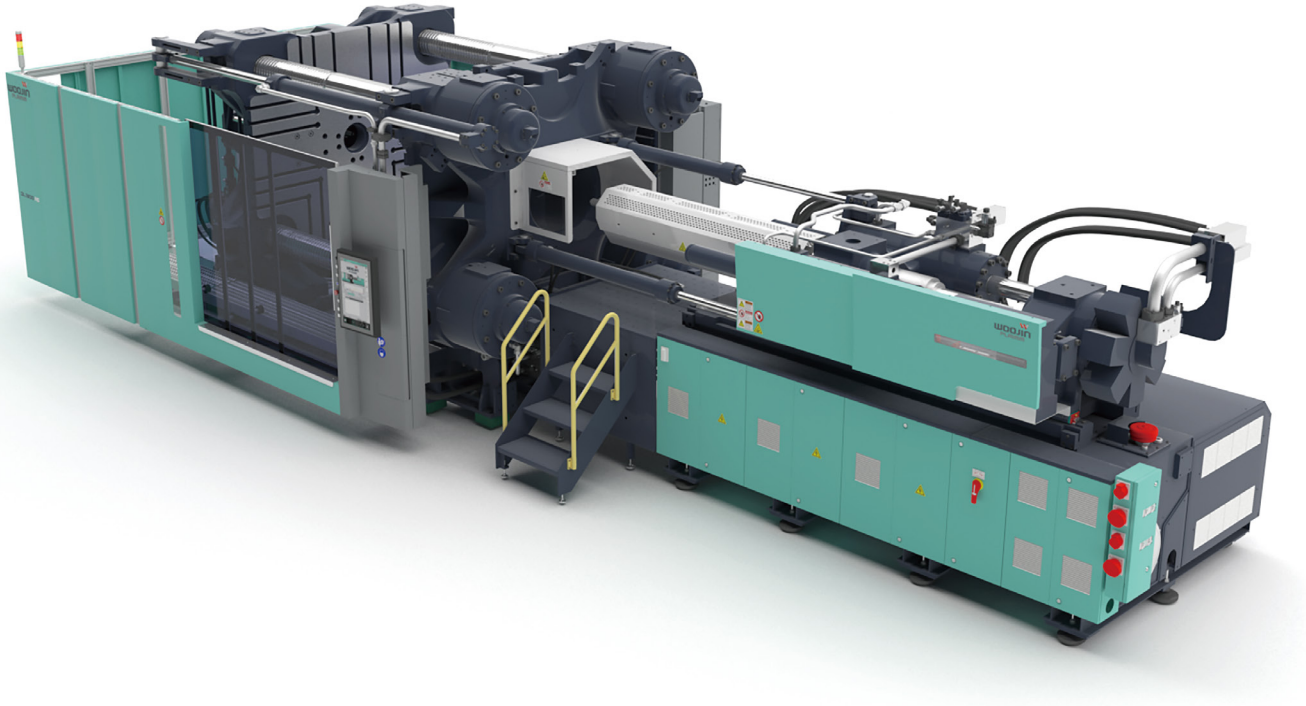

WOOJIN PLAIMM
A5 SERIES CATALOG

THE NEW TECHNOLOGY

Reborn : A5 series with new design and globalized line ups,

We hereby present this perfectly
harmonized premium series to you.

DL-A5 (ver.2) - Premium power-saving two platen direct pressure injection molding machine

DL500A5 DL600A5 DL700A5 DL900A5 DL1100A5 DL1300A5 DL1800A5

DL2000A5 DL2300A5 DL2500A5 DL2700A5 DL3000A5 DL3300A5 DL4000A5

DL4300A5

DL-A5 (ver.1) - Premium power-saving two platen direct pressure injection molding machine

DL450A5 DL550A5 DL650A5 DL850A5 DL1050A5 DL1300A5 DL1800A5

TH-A5 - Premium power-saving hydraulic injection molding machine

TH130A5 TH190A5 TH240A5 TH280A5 TH380A5 TH420A5 TH480A5

TE-A5 - Premium power-saving electric injection molding machine

TE50A5 TE110A5 TE170A5 TE220A5 TE280A5 TE280WA5 TE350A5

TE400A5 TE450A5 TE550A5 TE650A5 TE850A5

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A5 Series

Option List

Controller / CMS

Social Network

Energy Saving

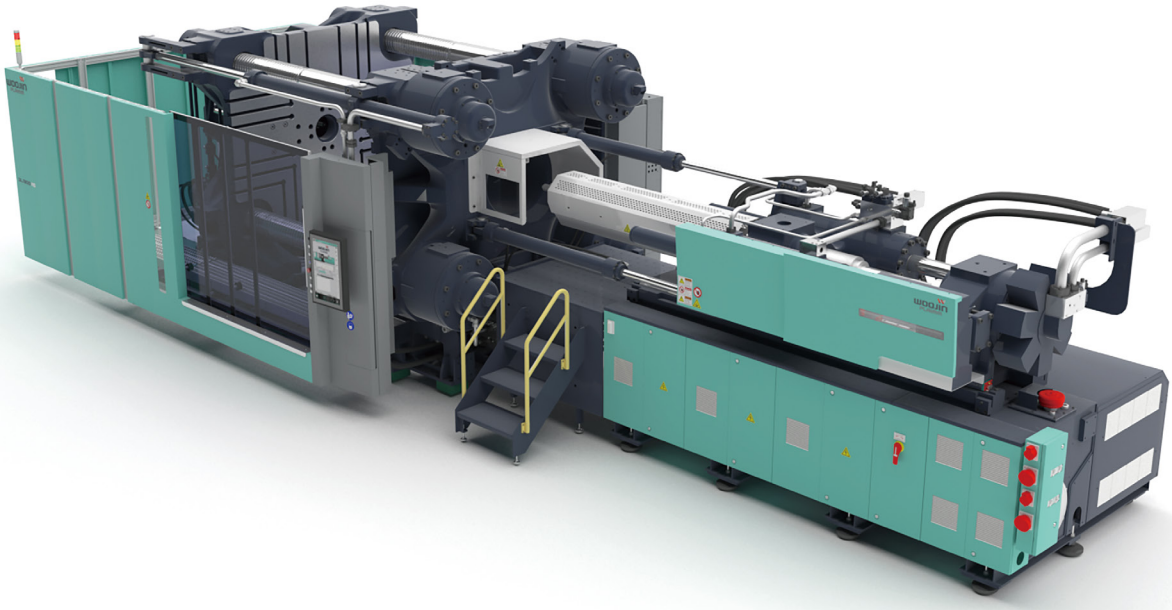
SPEED CLUB

Contact

DL-A5

Dignity, design and technology contained.

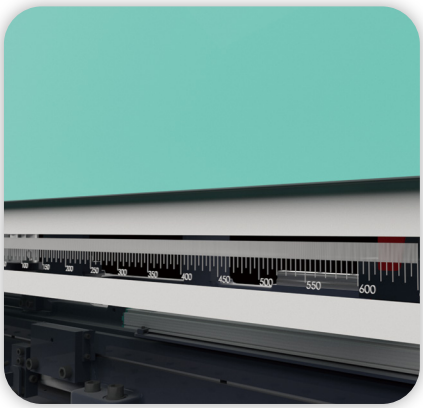
DL-A5 is a fast and precise premium power-saving two platen direct pressure injection molding machine with excellent space utilization with a beautiful and practical exterior design, and a sturdy mechanism.



New Design

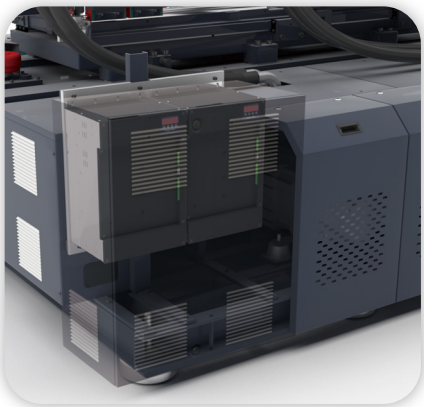
01. Torque Hinge

· Apply Torque Hinge for easily adjustable angle and secure broad visual range.



02. Scale in injection unit

· Installment of scale gives visually effective while injecting motion.



03. In-line Servo drive box

· Practical use of space by in-line servo drive box.

Clamping Unit

01. Platen Structure

· Higher mold installation weight by minimizing platen bending through FEA design (ver.2)

02. Maximized Space Utilization

· Maximize the space utilization by easy installation and detachment of mold in low and narrow spaces (ver.2).

03. Increased durability

· The application of U-shaped screws and tie bars increases durability due to stress dispersion effects.

04. Cycle Time Reduction

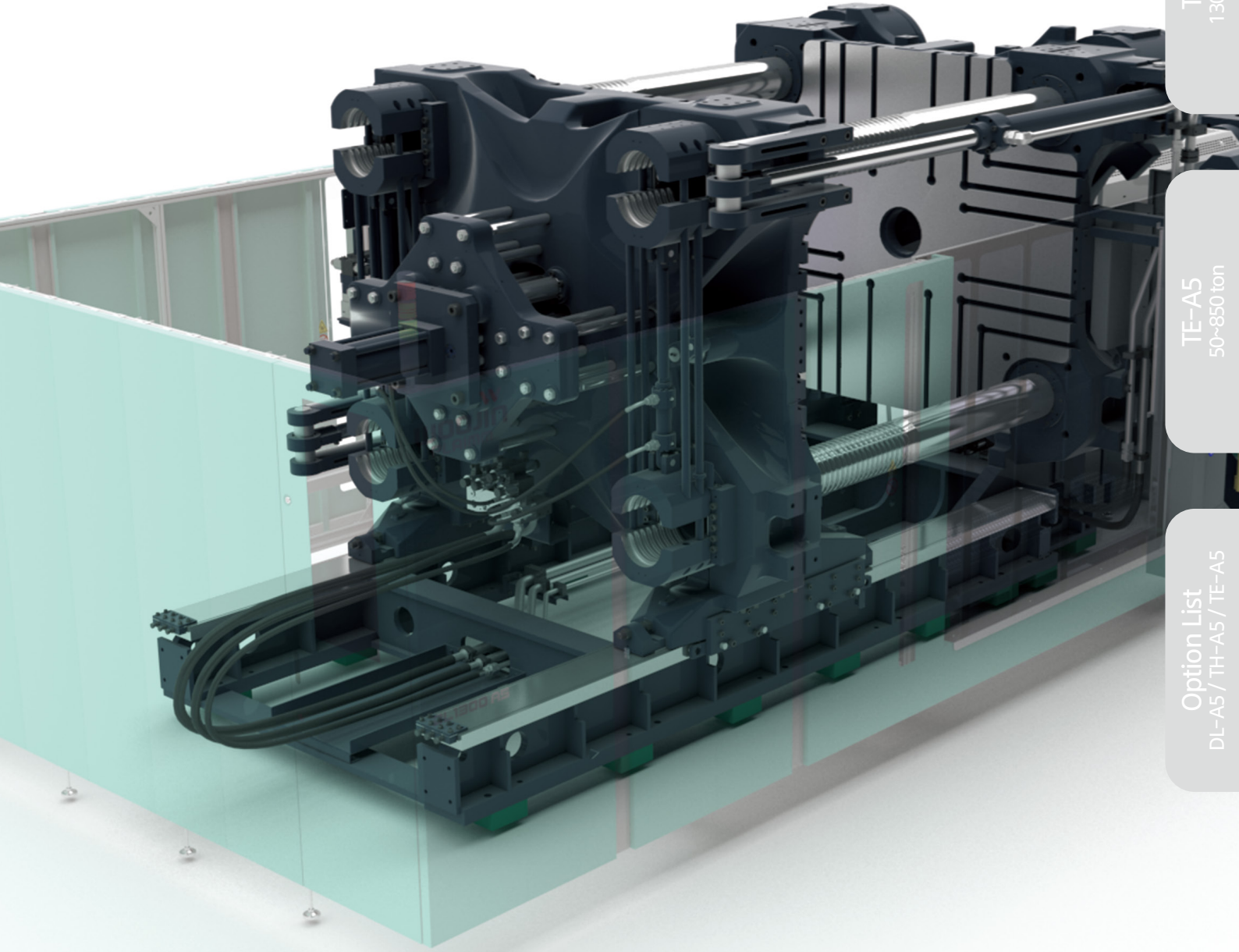
· Synchronized Half-nut locking controlling system to shorten the cycle time.

05. Precise positioning

· Positioning improved by mounting a high-responsive proportional valve.

06. Stable mold opening and closing

· Stable mold opening and closing by symmetrical booster cylinders.



Injection Unit

* Automatic swiveling function may not be applicable when not using standard injection unit.

01. Injection Back Pressure Closed-loop Control

· Keep constant back pressure set by user through closed-loop control.

02. Improved molding precision

· Prevent platen equilibrium problem caused by repeated nozzle touch and improve molding precision.

03. Easy to manage screw and barrel

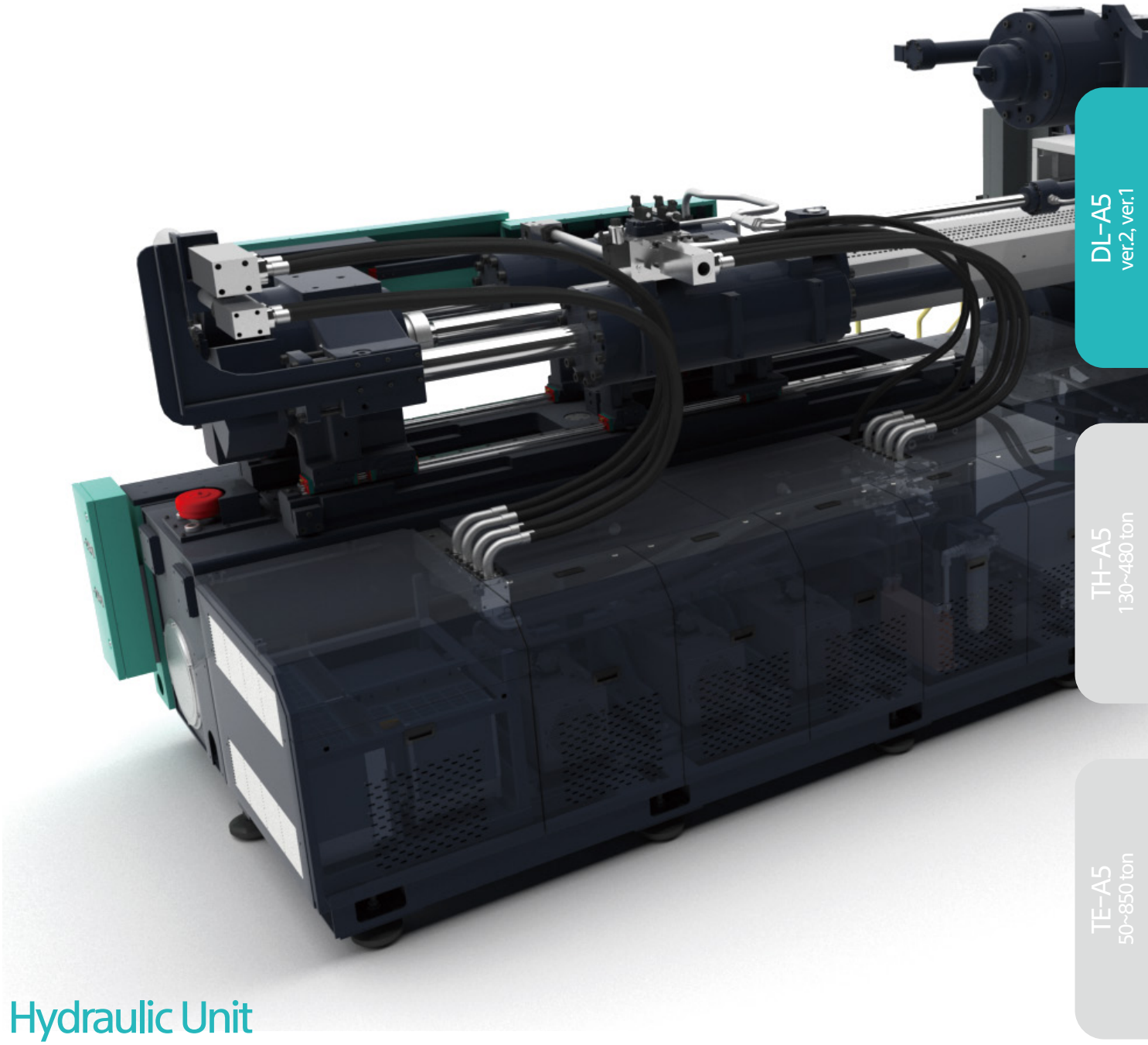
· Easy replacement and management of screw and barrel by automatic swiveling function. (less than 1,300 tons)

04. Improve space utilization

· Improve space utilization by in-line servo drive box.

05. Energy Saving

· Energy savings through maintaining parallelism and reducing friction through the application of LM guides to injection bed and charging areas.



Hydraulic Unit

01. Special coating for oil tank

· Improve internal cleanliness through special coating inside and outside of the hydraulic block.
· Prevent corrosion due to moisture and oil evaporation by specially coated oil tank.

02. Independent hydraulic oil circulation system

· Keep cleanliness and constant temperature through independent oil tank circulation system.
(contribute to longer lifespan of hydraulic oil and improved durability of hydraulic components)

03. Leakage prevention in hydraulic pipes

· Seamless pipes, expansion tubes, and EO2FORM piping connections robust against high pressure and vibration prevent leakage and damage on parts.

04. Reduction of energy and cooling water consumption

· Servo pump system minimize idle operation so as to reduce energy and cooling water consumption.

Specification DL-A5 (ver.2)

		DL500A5			DL600A5			DL700A5			DL900A5			DL1100A5		
		IH2800			IH4200			IH5900			IH8800			IH8800		
Injection Unit																
Screw & Barrel type		O	A	B	O	A	B	O	A	B	O	A	B	O	A	B
Screw diameter	mm	65	70	80	70	80	90	80	90	105	95	105	115	95	105	115
Injection pressure	kg/㎠	2191	1889	1446	2465	1887	1491	2386	1885	1385	2145	1756	1464	2145	1756	1464
	Mpa	215	185	142	242	185	146	234	185	136	210	172	144	210	172	144
Theoretical injection volume	㎤	1278	1482	1935	1693	2212	2799	2488	3149	4286	4111	5022	6024	4111	5022	6024
Shot weight(PS)	g	1177	1365	1783	1560	2038	2579	2293	2902	3950	3788	4628	5551	3788	4628	5551
Injection rate	㎤/s	407	472	617	461	602	762	603	763	1039	852	1041	1248	852	1041	1248
Screw stroke	mm	385	385	385	440	440	440	495	495	495	580	580	580	580	580	580
Injection speed	mm/s	123	123	123	120	120	120	120	120	120	120	120	120	120	120	120
Plasticizing capacity	kg/h	207	252	358	231	328	449	298	408	619	393	515	660	393	515	660
Screw rotation speed	rpm	180	180	180	165	165	165	150	150	150	125	125	125	125	125	125
Clamping Unit																
Clamping force	ton(kN)	500(4903)			600(5884)			700(6865)			900(8826)			1100(10787)		
Mold opening force	ton(kN)	38(368)			45(441)			53(515)			68(662)			83(809)		
Distance between tie-bar(HxV)	mm	920 × 830			1040 × 910			1110 × 1010			1200 × 1120			1420 × 1170		
Platen dimension(HxV)	mm	1280 × 1260			1430 × 1370			1520 × 1490			1720 × 1610			1870 × 1820		
Daylight	mm	1650			1750			1850			2100			2400		
Min. mold height	mm	350			400			450			500			600		
Max. mold height	mm	900			950			950			1100			1200		
Ejector force	ton(kN)	11.1(108.9)			16.6(162.8)			19.8(194.2)			26.9(263.8)			26.9(263.8)		
Ejector stroke	mm	200			220			250			250			250		
Dry cycle time	sec	3.3			3.3			3.3			4.0			4.4		
Max. mold weight (Fixed / Moving / Total)	ton	5.3 / 5.3 / 8			6.7 / 6.7 / 10			7.3 / 7.3 / 11			8.6 / 8.6 / 13			14 / 14 / 21		
General																
Heater capacity	kW	18.4	20.6	24.1	23.0	26.7	30.7	29.4	33.6	39.3	39.7	44.7	49.4	39.7	44.7	49.4
Motor capacity	kW	65.2			87.6			87.6			110			110		
Total electric power capacity	kW	83.6	85.8	89.3	110.6	114.3	118.3	117	121.2	126.9	149.7	154.7	159.4	149.7	154.7	159.4
Hydraulic oil tank capacity	L	600			800			800			920			920		
Machine weight (Clamping+Injection)	ton	19 (13.5+5.5)			26 (17+9)			32 (21.5+10.5)			41 (29+12)			50 (37.5+12.5)		
Machine dimension(LxWxH)	m	7.7 × 2.7 × 2.2			7.9 × 2.9 × 2.2			8.4 × 3.1 × 2.4			9.5 × 3.4 × 2.5			9.7 × 3.6 × 2.7		
Cooling water consumption	L/min	130			130			130			180			180		

01. Theoretical injection volume: cross section of screw*screw stroke.
02. The minimum mold size should be more than 70% of tie-bar distance.
03. The specifications might be changed without any prior notice.
04. The metering distance is recommended in the range of 1 to 3 times of screw diameter.

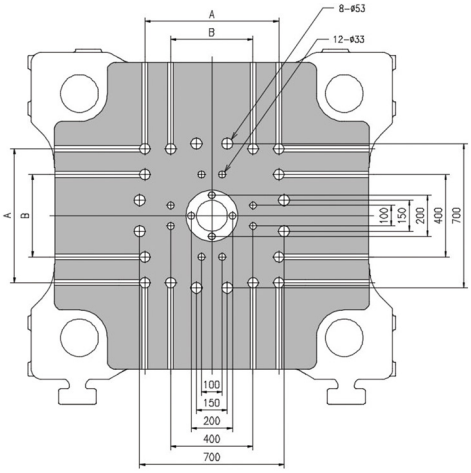
		DL1300A5		DL1800A5		DL2000A5		DL2300A5		DL2500A5		DL2700A5	
		IH11900		IH15300		IH15300		IH15300		IH21500		IH21500	
Injection Unit													
Screw & Barrel type		A	B	A	B	A	B	A	B	A	B	A	B
Screw diameter	mm	115	125	125	140	125	140	125	140	140	160	140	160
Injection pressure	kg/㎠	1809	1531	1814	1446	1814	1446	1814	1446	1816	1391	1816	1391
	Mpa	177	150	178	142	178	142	178	142	178	136	178	136
Theoretical injection volume	㎤	6544	7731	8406	10545	8406	10545	8406	10545	11853	15482	11853	15482
Shot weight(PS)	g	6030	7124	7746	9717	7746	9717	7746	9717	10923	14266	10923	14266
Injection rate	㎤/s	1249	1475	1296	1626	1296	1626	1296	1626	1537	2007	1537	2007
Screw stroke	mm	630	630	685	685	685	685	685	685	770	770	770	770
Injection speed	mm/s	120	120	106	106	106	106	106	106	100	100	100	100
Plasticizing capacity	kg/h	607	757	692	939	692	939	692	939	850	1218	850	1218
Screw rotation speed	rpm	115	115	105	105	105	105	105	105	95	95	95	95
Clamping Unit													
Clamping force	ton(kN)	1300(12749)		1800(17652)		2000(19613)		2300(22555)		2500(24517)		2700(26478)	
Mold opening force	ton(kN)	98(956)		135(1324)		150(1471)		173(1692)		188(1839)		203(1986)	
Distance between tie-bar(HxV)	mm	1580 × 1280		1850 × 1610		2020 × 1610		2020 × 1610		2180 × 1760		2180 × 1760	
Platen dimension(HxV)	mm	2230 × 1990		2450 × 2200		2600 × 2250		2600 × 2250		3030 × 2610		3030 × 2610	
Daylight	mm	3050		3400		3600		3600		3900		3900	
Min. mold height	mm	700		700		800		800		900		900	
Max. mold height	mm	1400		1600		1700		1700		2000		2000	
Ejector force	ton(kN)	34.4(337.3)		44.5(436.4)		44.5(436.4)		44.5(436.4)		67.8(664.9)		67.8(664.9)	
Ejector stroke	mm	300		300		300		300		350		350	
Dry cycle time	sec	5.0		5.8		5.8		5.8		8.2		8.2	
Max. mold weight (Fixed / Moving / Total)	ton	20 / 20 / 30		30 / 30 / 45		41 / 41 / 62		41 / 41 / 62		50 / 50 / 75		50 / 50 / 75	
General													
Heater capacity	kW	54.7	58.1	61.6	70.8	61.6	70.8	61.6	70.8	78.4	93.1	78.4	93.1
Motor capacity	kW	142.6		142.6		142.6		142.6		165		165	
Total electric power capacity	kW	197.3	200.7	204.2	213.4	204.2	213.4	204.2	213.4	243.4	258.1	243.4	258.1
Hydraulic oil tank capacity	L	1150		1450		1450		1450		1650		1650	
Machine weight (Clamping+Injection)	ton	72 (55+17)		89 (70+19)		115 (96+19)		115 (96+19)		143 (121+22)		143 (121+22)	
Machine dimension(LxWxH)	m	11.2 × 3.9 × 2.9		12.7 X 4.2 X 3.4		12.9 X 4.5 X 3.4		12.9 X 4.5 X 3.4		14.6 × 4.7 × 3.7		14.6 × 4.7 × 3.7	
Cooling water consumption	L/min	180		180		180		180		240		240	

		DL3000A5					DL3300A5							
		IH33000		IH48000			IH33000		IH48000			IH66500		
Injection Unit														
Screw & Barrel type		A	B	O	A	B	A	B	O	A	B	O	A	B
Screw diameter	mm	160	180	180	190	200	160	180	180	190	200	200	215	230
Injection pressure	kg/㎠	1800	1400	1800	1600	1450	1800	1400	1800	1600	1450	1800	1550	1360
	Mpa	177	137	177	157	142	177	137	177	157	142	177	152	133
Theoretical injection volume	㎤	16085	20358	22902	25518	28274	16085	20358	22902	25518	28274	34558	39936	45702
Shot weight(PS)	g	14822	18759	21104	23515	26055	14822	18759	21104	23515	26055	31845	36801	42115
Injection rate	㎤/s	1719	2176	2127	2370	2626	1719	2176	2127	2370	2626	2117	2447	2800
Screw stroke	mm	800	800	900	900	900	800	800	900	900	900	1100	1100	1100
Injection speed	mm/s	85	85	84	84	84	85	85	84	84	84	67	67	67
Plasticizing capacity	kg/h	1000	1378	1325	1528	1533	1000	1378	1325	1528	1533	1415	1705	1693
Screw rotation speed	rpm	78	78	75	75	65	78	78	75	75	65	60	60	50
Clamping Unit														
Clamping force	ton(kN)	3000(29420)		3000(29420)			3300(32362)		3300(32362)			3300(32362)		
Mold opening force	ton(kN)	225(2206)		225(2206)			248(2427)		248(2427)			248(2427)		
Distance between tie-bar(HxV)	mm	2260 × 1810		2260 × 1810			2260 × 1810		2260 × 1810			2260 × 1810		
Platen dimension(HxV)	mm	3140 X 2660		3140 X 2660			3140 X 2660		3140 X 2660			3140 X 2660		
Daylight	mm	4000		4000			4000		4000			4000		
Min. mold height	mm	1100		1100			1100		1100			1100		
Max. mold height	mm	2000		2000			2000		2000			2000		
Ejector force	ton(kN)	67.8(664.9)		67.8(664.9)			67.8(664.9)		67.8(664.9)			67.8(664.9)		
Ejector stroke	mm	350		350			350		350			350		
Dry cycle time	sec	8.2		8.2			8.2		8.2			8.2		
Max. mold weight (Fixed / Moving / Total)	ton	56 / 56 / 85		56 / 56 / 85			56 / 56 / 85		56 / 56 / 85			56 / 56 / 85		
General														
Heater capacity	kW	149.1	167.1	178.4	183.6	194.3	149.1	167.1	178.4	183.6	194.3	217.1	231.9	249.8
Motor capacity	kW	220		275			220		275			275		
Total electric power capacity	kW	369.1	387.1	453.4	458.6	469.3	369.1	387.1	453.4	458.6	469.3	492.1	506.9	524.8
Hydraulic oil tank capacity	L	2650		3200			2650		3200			3400		
Machine weight (Clamping+Injection)	ton	180 (149+31)		194 (149+45)			180 (149+31)		194 (149+45)			204 (149+55)		
Machine dimension(LxWxH)	m	16.3 × 5 × 4		18 × 5 × 4			16.3 × 5 × 4		18 × 5 × 4			18 × 5 × 4		
Cooling water consumption	L/min	240		240			240		240			240		

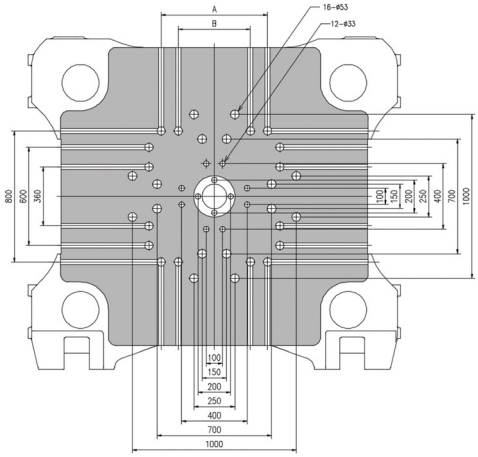
		DL4000A5						DL4300A5					
		IH66500			IH100000			IH66500			IH100000		
Injection Unit													
Screw & Barrel type		O	A	B	O	A	B	O	A	B	O	A	B
Screw diameter	mm	200	215	230	230	245	260	200	215	230	230	245	260
Injection pressure	kg/㎠	1800	1550	1360	1600	1400	1220	1800	1550	1360	1600	1400	1220
	Mpa	177	152	133	157	137	120	177	152	133	157	137	120
Theoretical injection volume	㎤	34558	39936	45702	56089	63644	71675	34558	39936	45702	56089	63644	71675
Shot weight(PS)	g	31845	36801	42115	51686	58648	66049	31845	36801	42115	51686	58648	66049
Injection rate	㎤/s	2117	2447	2800	2925	3319	3738	2117	2447	2800	2925	3319	3738
Screw stroke	mm	1100	1100	1100	1350	1350	1350	1100	1100	1100	1350	1350	1350
Injection speed	mm/s	67	67	67	70	70	70	67	67	67	70	70	70
Plasticizing capacity	kg/h	1415	1705	1693	1693	1998	2102	1415	1705	1693	1693	1998	2102
Screw rotation speed	rpm	60	60	50	50	50	45	60	60	50	50	50	45
Clamping Unit													
Clamping force	ton(kN)	4000(39227)			4000(39227)			4300(42169)			4300(42169)		
Mold opening force	ton(kN)	300(2942)			300(2942)			323(3163)			323(3163)		
Distance between tie-bar(HxV)	mm	2350 × 2050			2350 × 2050			2350 × 2050			2350 × 2050		
Platen dimension(HxV)	mm	3400 × 3100			3400 × 3100			3400 × 3100			3400 × 3100		
Daylight	mm	4400			4400			4400			4400		
Min. mold height	mm	1100			1100			1100			1100		
Max. mold height	mm	2200			2200			2200			2200		
Ejector force	ton(kN)	67.8(664.9)			67.8(664.9)			67.8(664.9)			67.8(664.9)		
Ejector stroke	mm	400			400			400			400		
Dry cycle time	sec	9.2			9.2			9.2			9.2		
Max. mold weight (Fixed / Moving / Total)	ton	66 / 66 / 100			66 / 66 / 100			66 / 66 / 100			66 / 66 / 100		
General													
Heater capacity	kW	217.1	231.9	249.8	340.2	357.4	378.0	217.1	231.9	249.8	340.2	357.4	378.0
Motor capacity	kW	275			330			275			330		
Total electric power capacity	kW	492.1	506.9	524.8	670.2	687.4	708	492.1	506.9	524.8	670.2	687.4	708
Hydraulic oil tank capacity	L	3400			3500			3400			3500		
Machine weight (Clamping+Injection)	ton	246 (191+55)			263 (191+72)			246 (191+55)			263 (191+72)		
Machine dimension(LxWxH)	m	19.5 × 5 × 4.3			20.6 X 5.4 X 4.4			19.5 × 5 × 4.3			20.6 X 5.4 X 4.4		
Cooling water consumption	L/min	240			240			240			240		

Platen Dimension

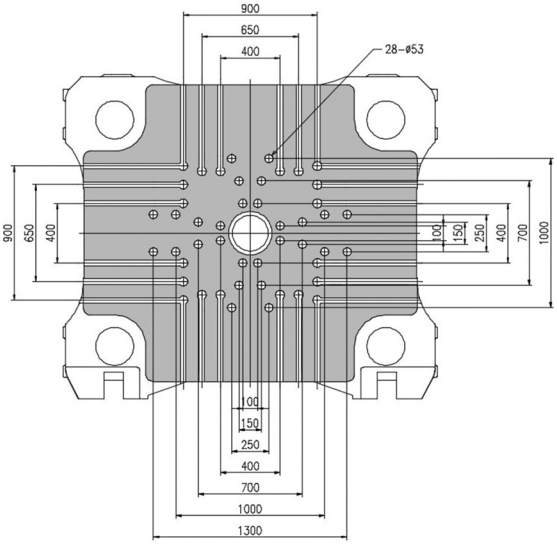
* The images and specifications might be changed without any prior notice.



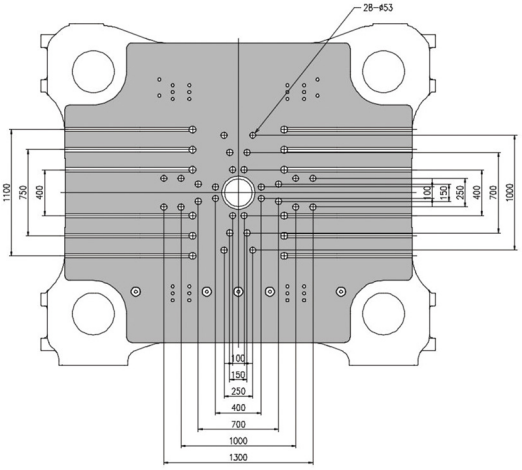
500 ton (A: 500 / B: 250)
600 ton (A: 560 / B: 280)
700 ton (A: 650 / B: 400)



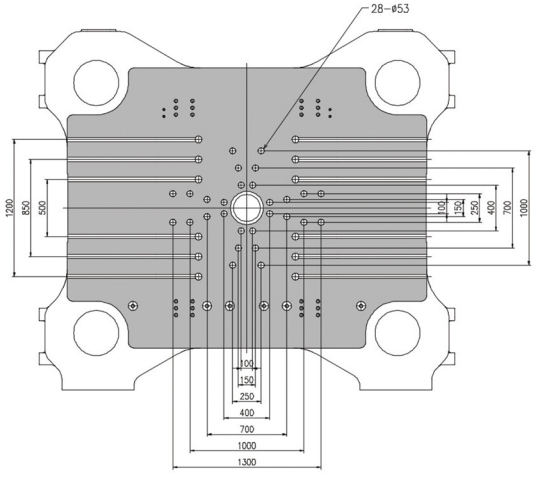
900 ton (A: 650 / B: 400)
1100 ton (A: 650 / B: 440)



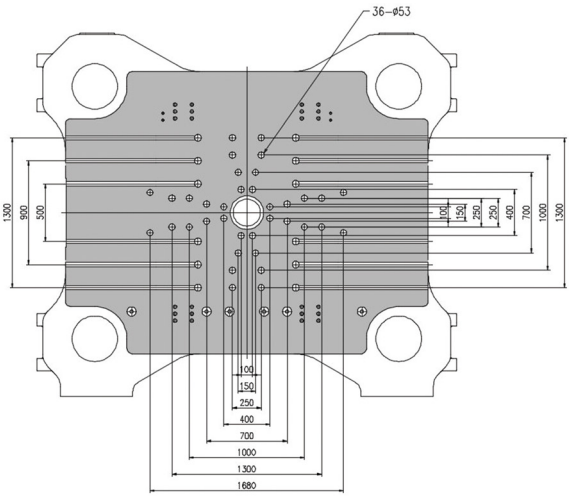
1300 ton



1800/2000/2300/2500/2700 ton



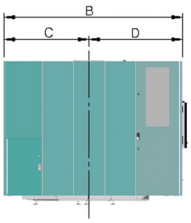
3000/3300 ton

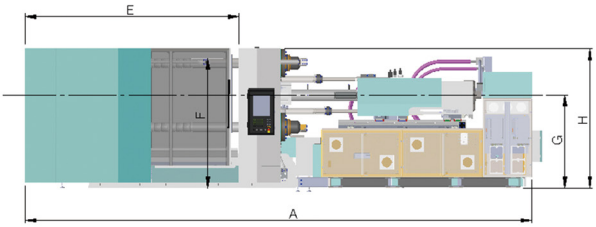


4000/4300 ton

Machine Dimension

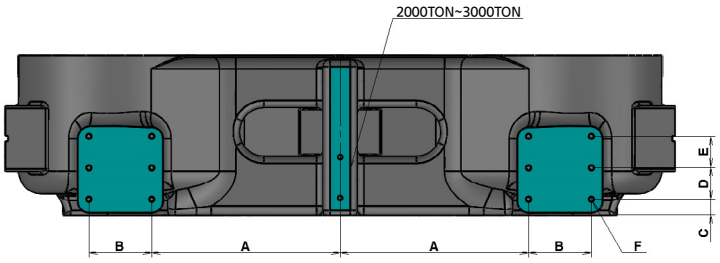
* The images and specifications might be changed without any prior notice.



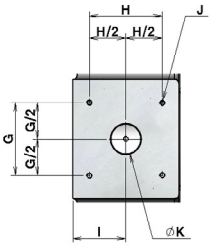


Unit: mm

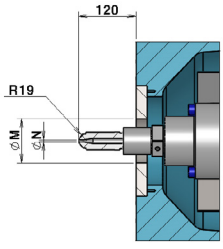
	A	B	C	D	E	F	G	H
DL500A5	7702	2713	1452	1261	3247	1970	1410	2144
DL600A5	7907	2939	1530	1409	3341	2017	1407	2202
DL700A5	8372	3052	1564	1488	3494	2130	1450	2350
DL900A5	9515	3319	1700	1619	4016	2245	1490	2461
DL1100A5	9709	3586	1820	1766	4347	2400	1600	2665
DL1300A5	11159	3815	1935	1880	5088	2591	1725	2858
DL1800A5	12627	4123	2109	2104	5716	3035	1950	3358
DL2000A5	12877	4423	2284	2139	6083	3070	1950	3373
DL2300A5	12877	4423	2284	2139	6083	3070	1950	3373
DL2500A5	14519	4623	2394	2229	6767	3344	2164	3717
DL2700A5	14519	4623	2394	2229	6767	3344	2164	3717
DL3000A5	16263	4973	2599	2374	6917	3607	2335	3988
DL3300A5	16263	4973	2599	2374	6917	3607	2335	3988
DL4000A5	20580	5323	2824	2499	7137	3768	2568	4360
DL4300A5	20580	5323	2824	2499	7137	3768	2568	4360



▲ Robot installation position dimension



▲ Hopper installation position dimension



▲ Nozzle dimension

Unit: mm

	Robot installation position dimension						Hopper installation position dimension					Nozzle dimension	
	A	B	C	D	E	F	G	H	I	J	K	M	ØN
DL500A5	210	-	85	195	-	6-M20	165	165	120	4-M12	68	100	4
DL600A5	195	-	85	245	-	6-M20	165	165	130	4-M12	78	100	5
DL700A5	235	-	80	300	-	6-M24	165	165	140	4-M12	88	100	5
DL900A5	235	-	85	330	-	6-M24	165	165	170	4-M12	103	100	6
DL1100A5	335	-	85	375	-	6-M30	165	165	170	4-M12	103	100	6
DL1300A5	335	-	120	345	-	6-M30	280	200	190	4-M16	113	120	6
DL1800A5	495	-	115	485	-	6-M30	280	200	112	4-M16	123	120	7
DL2000A5	500	-	140	575	-	6-M24	280	200	112	4-M16	123	120	7
DL2300A5	500	-	140	575	-	6-M24	280	200	112	4-M16	123	120	7
DL2500A5	625	-	155	600	-	6-M36	280	200	132	4-M16	138	120	7
DL2700A5	625	-	155	600	-	6-M36	280	200	132	4-M16	138	120	7
DL3000A5	625	-	150	630	-	6-M36	280	200	218	4-M16	172	120	8
DL3300A5	625	-	150	630	-	6-M36	280	200	218	4-M16	172	120	8
DL4000A5	625	-	150	630	-	6-M36	280	200	218	4-M16	172	120	8
DL4300A5	625	-	150	630	-	6-M36	280	200	218	4-M16	172	120	8

Specification DL-A5 (ver.1)

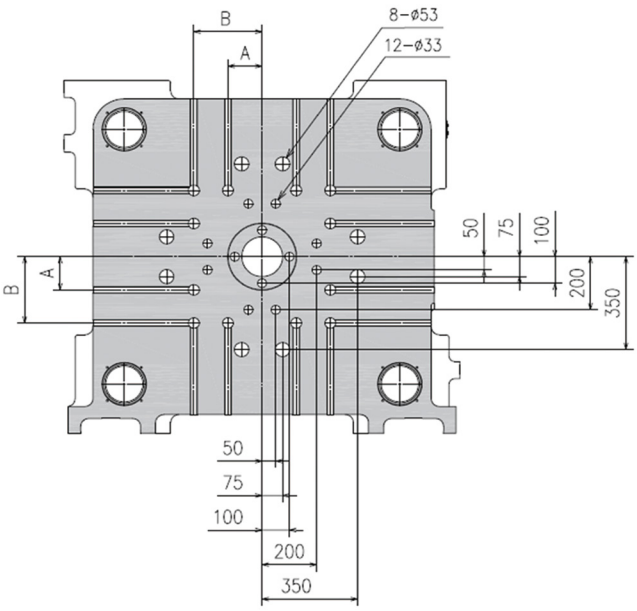
		DL450A5			DL550A5			DL650A5			DL850A5		
		IH2800			IH4200			IH5900			IH8800		
Injection Unit													
Screw & Barrel type		O	A	B	O	A	B	O	A	B	O	A	B
Screw diameter	mm	65	70	80	70	80	90	80	90	105	95	105	115
Injection pressure	kg/㎠	2191	1889	1446	2465	1887	1491	2386	1885	1385	2145	1756	1464
	Mpa	215	185	142	242	185	146	234	185	136	210	172	144
Theoretical injection volume	㎤	1278	1482	1935	1693	2212	2799	2488	3149	4286	4111	5022	6024
Shot weight(PS)	g	1177	1365	1783	1560	2038	2579	2293	2902	3950	3788	4628	5551
Injection rate	㎤/s	407	472	617	461	602	762	603	763	1039	852	1041	1248
Screw stroke	mm	385	385	385	440	440	440	495	495	495	580	580	580
Injection speed	mm/s	123	123	123	120	120	120	120	120	120	120	120	120
Plasticizing capacity	kg/h	207	252	358	231	328	449	298	408	619	393	515	660
Screw rotation speed	rpm	180	180	180	165	165	165	150	150	150	125	125	125
Clamping Unit													
Clamping force	ton(kN)	450(4413)			550(5394)			650(6374)			850(8336)		
Mold opening force	ton(kN)	34(331)			41(405)			49(478)			64(625)		
Distance between tie-bar(HxV)	mm	860 × 810			915 × 915			1010 × 1010			1110 × 1110		
Platen dimension(HxV)	mm	1240 × 1190			1330 × 1330			1460 × 1460			1610 × 1610		
Daylight	mm	1450			1600			1800			2300		
Min. mold height	mm	350			400			450			500		
Max. mold height	mm	800			950			1100			1200		
Ejector force	ton(kN)	11.1(108.9)			16.6(162.8)			19.8(194.2)			26.9(263.8)		
Ejector stroke	mm	200			220			250			250		
Dry cycle time	sec	3.3			3.3			3.3			4.0		
Max. mold weight (Fixed / Moving / Total)	ton	3.5 / 3.5 / 5			4 / 4 / 6			5.5 / 5.5 / 8			7 / 7 / 10.5		
General													
Heater capacity	kW	18.4	20.6	24.1	23.0	26.7	30.7	29.4	33.6	39.3	39.7	44.7	49.4
Motor capacity	kW	65.2			87.6			87.6			110		
Total electric power capacity	kW	83.6	85.8	89.3	110.6	114.3	118.3	117	121.2	126.9	149.7	154.7	159.4
Hydraulic oil tank capacity	L	600			800			800			920		
Machine weight (Clamping+Injection)	ton	19 (13.5+5.5)			26 (17+9)			32 (21.5+10.5)			41 (29+12)		
Machine dimension(LxWxH)	m	7.4 × 2.4 × 2.1			7.5 × 2.8 × 2.3			8.1 X 2.9 X 2.2			9.5 × 3.2 × 2.5		
Cooling water consumption	L/min	130			130			130			180		

01. Theoretical injection volume: cross section of screw*screw stroke.
02. The minimum mold size should be more than 70% of tie-bar distance.
03. The specifications might be changed without any prior notice.
04. The metering distance is recommended in the range of 1 to 3 times of screw diameter.

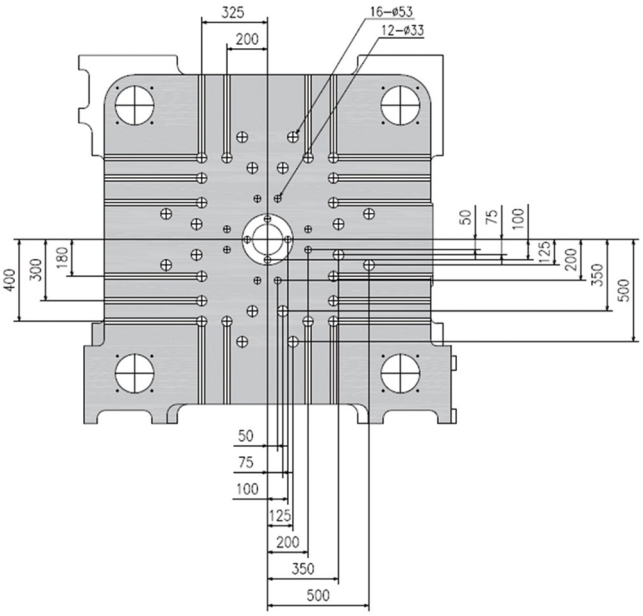
		DL1050A5			DL1300A5		DL1800A5	
		IH8800			IH11900		IH15300	
Injection Unit								
Screw & Barrel type		O	A	B	A	B	A	B
Screw diameter	mm	95	105	115	115	125	125	140
Injection pressure	kg/㎠	2145	1756	1464	1809	1531	1814	1446
	Mpa	210	172	144	177	150	178	142
Theoretical injection volume	㎤	4111	5022	6024	6544	7731	8382	10514
Shot weight(PS)	g	3788	4628	5551	6030	7124	7724	9689
Injection rate	㎤/s	852	1041	1248	1249	1475	1296	1626
Screw stroke	mm	580	580	580	630	630	683	683
Injection speed	mm/s	120	120	120	120	120	106	106
Plasticizing capacity	kg/h	393	515	660	607	757	692	939
Screw rotation speed	rpm	125	125	125	115	115	105	105
Clamping Unit								
Clamping force	ton(kN)	1050(10297)			1300(12749)		1800(17652)	
Mold opening force	ton(kN)	79(772)			98(956)		135(1324)	
Distance between tie-bar(HxV)	mm	1410 × 1110			1410 × 1410		1810 × 1610	
Platen dimension(HxV)	mm	1950 × 1650			1950 × 1950		2450 × 2180	
Daylight	mm	2400			2500		3200	
Min. mold height	mm	600			700		700	
Max. mold height	mm	1200			1200		1600	
Ejector force	ton(kN)	26.9(263.8)			34.4(337.3)		44.5(436.4)	
Ejector stroke	mm	250			300		300	
Dry cycle time	sec	4.4			5.0		5.8	
Max. mold weight (Fixed / Moving / Total)	ton	8.5 / 8.5 / 13			12 / 12 / 17		16 / 16 / 24	
General								
Heater capacity	kW	39.7	44.7	49.4	54.7	58.1	61.6	70.8
Motor capacity	kW	110			142.6		142.6	
Total electric power capacity	kW	149.7	154.7	159.4	197.3	200.7	204.2	213.4
Hydraulic oil tank capacity	L	920			1150		1450	
Machine weight (Clamping+Injection)	ton	50 (37.5+12.5)			67 (50+17)		89 (70+19)	
Machine dimension(LxWxH)	m	10 × 3.5 × 2.5			10.8 × 3.6 × 2.9		12.7 × 4.1 × 3.4	
Cooling water consumption	L/min	180			180		180	

Platen Dimension

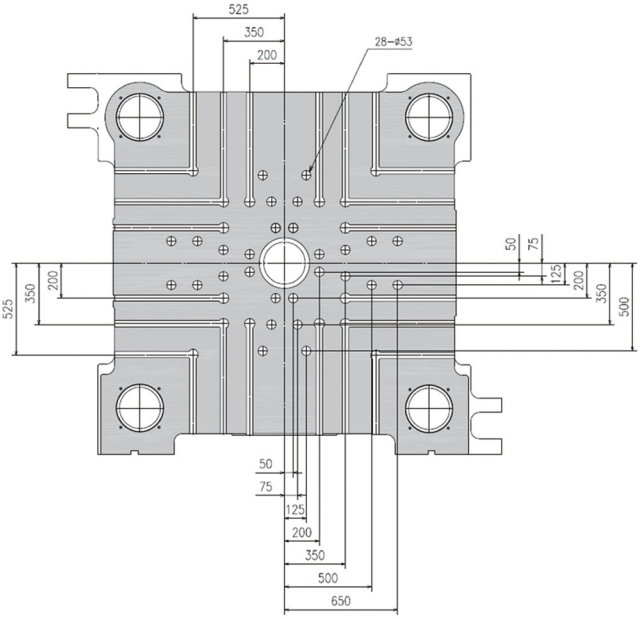
* The images and specifications might be changed without any prior notice.



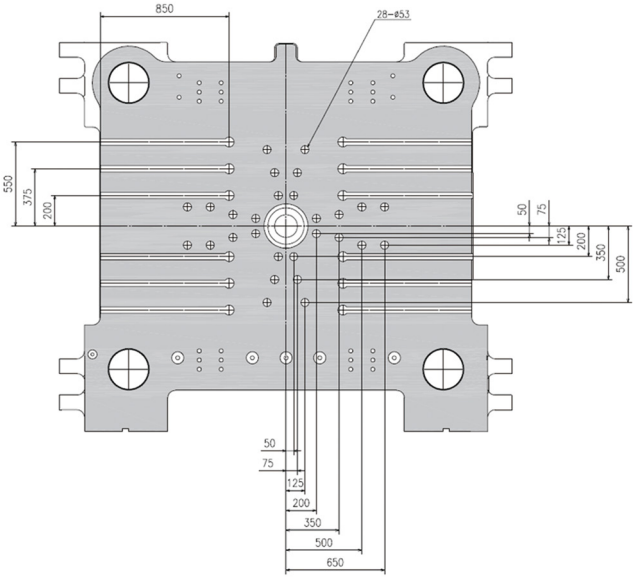
450 ton (A: 125 / B: 250)
550 ton (A: 140 / B: 280)
650 ton (A: 200 / B: 325)



850 / 1050 ton



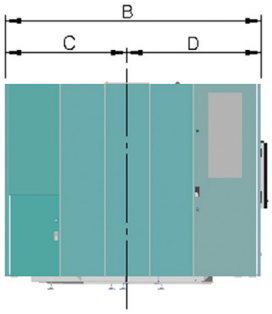
1300 ton

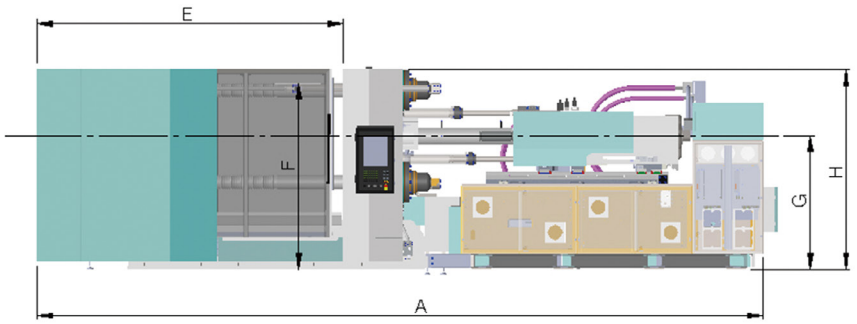


1800 ton

Machine Dimension

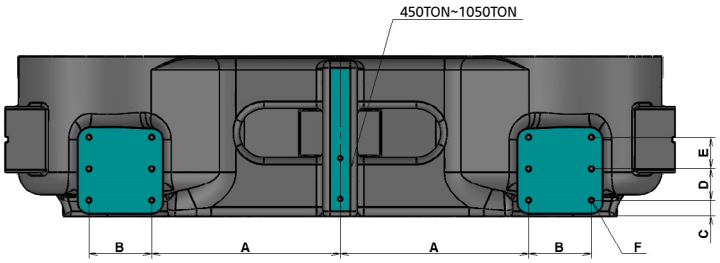
* The images and specifications might be changed without any prior notice.



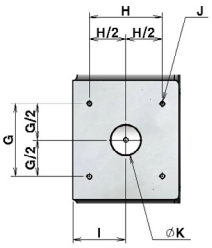


Unit: mm

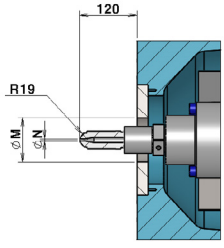
	A	B	C	D	E	F	G	H
DL450A5	7353	2340	1225	1115	2893	1965	1410	2105
DL550A5	7466	2808	1500	1308	3009	2033	1410	2190
DL650A5	8064	2907	1550	1357	3334	2135	1450	2305
DL850A5	9426	3158	1640	1518	3919	2238	1490	2435
DL1050A5	9913	3499	1789	1710	4305	2265	1490	2475
DL1300A5	10563	3545	1800	1745	4513	2661	1730	2901
DL1800A5	12246	4098	2096	2002	5330	3005	1950	3317



▲ Robot installation position dimension



▲ Hopper installation position dimension



▲ Nozzle dimension

Unit: mm

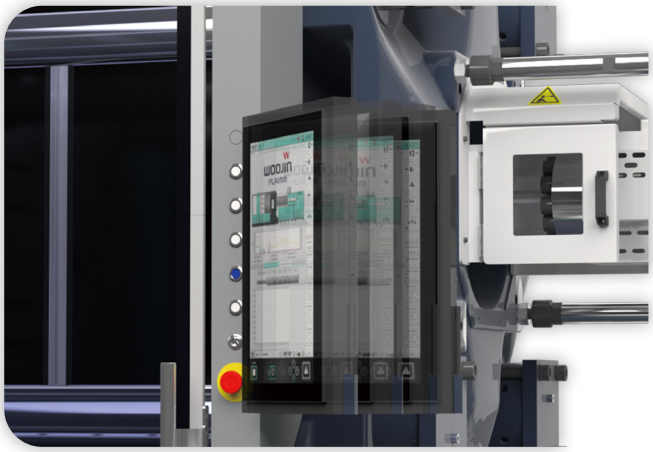
	Robot installation position dimension						Hopper installation position dimension					Nozzle dimension	
	A	B	C	D	E	F	G	H	I	J	K	M	ØN
DL450A5	210	-	105	185	-	4-M20	165	165	120	4-M12	68	100	4
DL550A5	195	-	105	245	-	4-M20	165	165	130	4-M12	78	100	5
DL650A5	235	-	110	265	-	4-M24	165	165	140	4-M12	88	100	5
DL850A5	235	-	115	330	-	4-M24	165	165	170	4-M12	103	100	6
DL1050A5	335	-	125	375	-	4-M30	165	165	170	4-M12	103	100	6
DL1300A5	560	280	70	140	140	12-M24	280	200	190	4-M16	113	120	6
DL1800A5	840	280	70	140	140	12-M24	280	200	112	4-M16	123	120	7

TH-A5

Initiation of injection molding efficiency

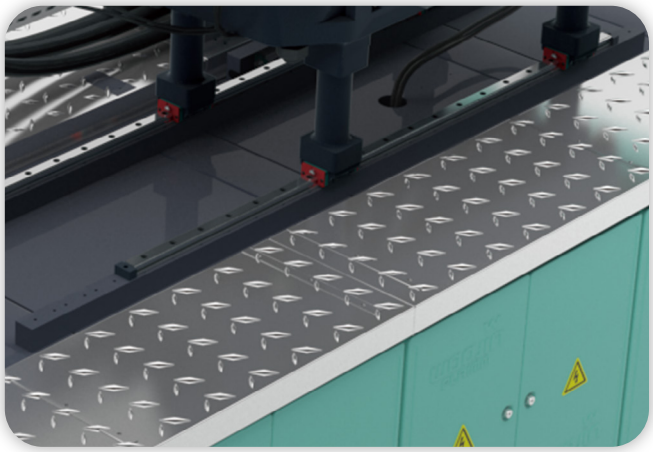
Premium power-saving hydraulic injection molding machine that pursues highest efficiency with ergonomic design, fast and stable operation and user convenience.

New Design



01. Torque Hinge

· Apply Torque Hinge for easily adjustable angle and secure broad visual range.



02. Double Coated Surface

· Double coated surface is very strong against scratches and other contaminants and makes it easy to manage.

Clamping Unit

01. Increased durability

· Application of new toggle system for fast mold opening and closing and clamp-type toggle pin fixing system to increase the durability.

02. Improved mold adjustment precision

· Encoder type control to improve mold adjustment precision. (mold adjustment position control precision 0.01mm)

03. Maintain platen parallelism

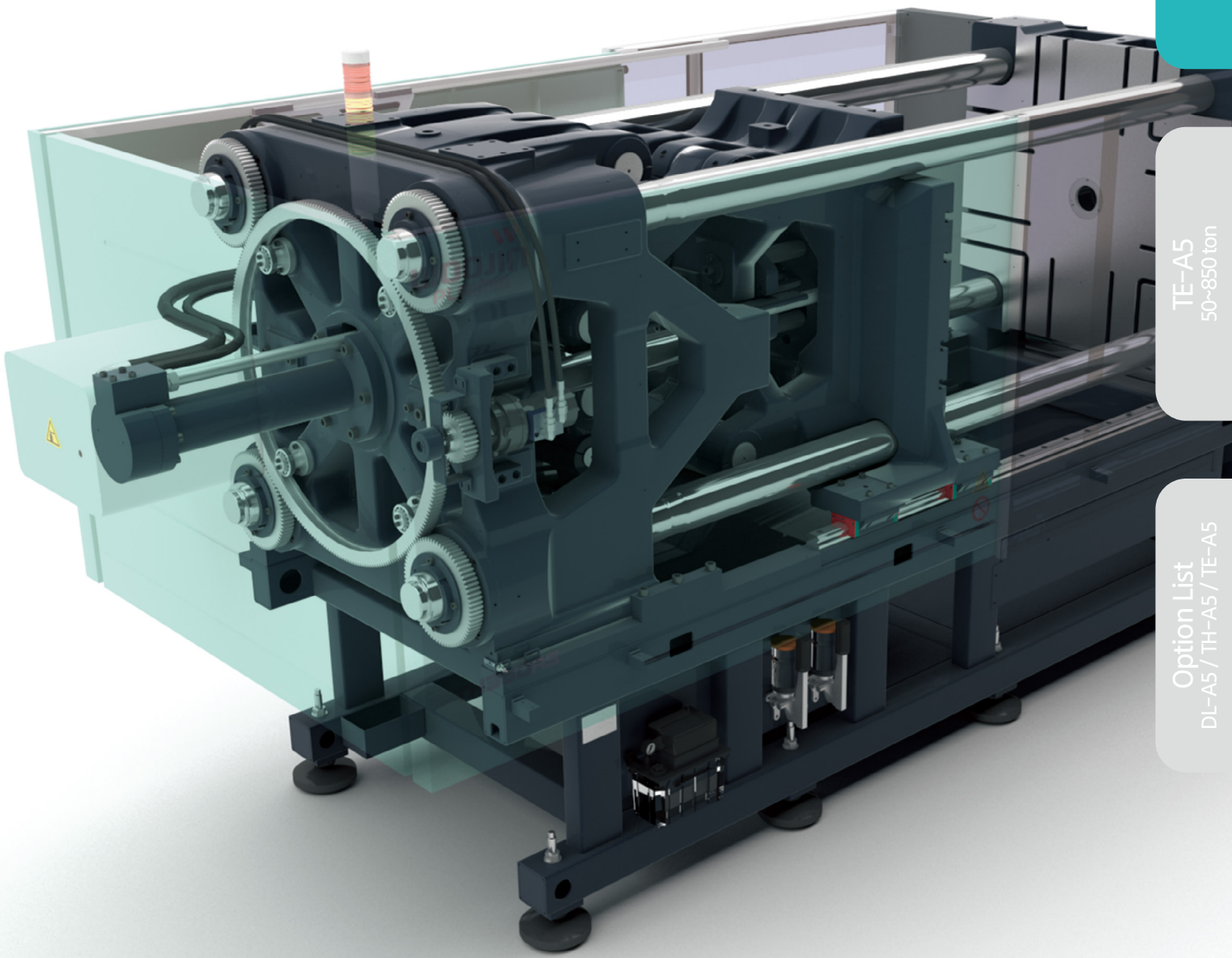
· Maintain constant platen parallelism even with fast mold opening and closing operations.
· High energy efficiency with little friction during forward and backward movement.

04. Transferring superior clamping force

· Superior clamping force transfer to inside of mold and uniform surface pressure.

05. Wide tie bar distance

· Applicable with a wide range of molds by increased tie-bar distance and mold opening distance compared with equivalent group of other brands.



Injection Unit

01. Precise temperature control

· 10% or more improvement in plasticization capability by precise temperature control through PID synchronous temperature control system.

02. Securing stability

· Ergonomic design for user convenience and stability during nozzle touch.

03. Injection Back Pressure Closed-loop Control

· Keep constant back pressure set by the operator through closed-loop control.

04. Prevent oil flow noise and oil leakage

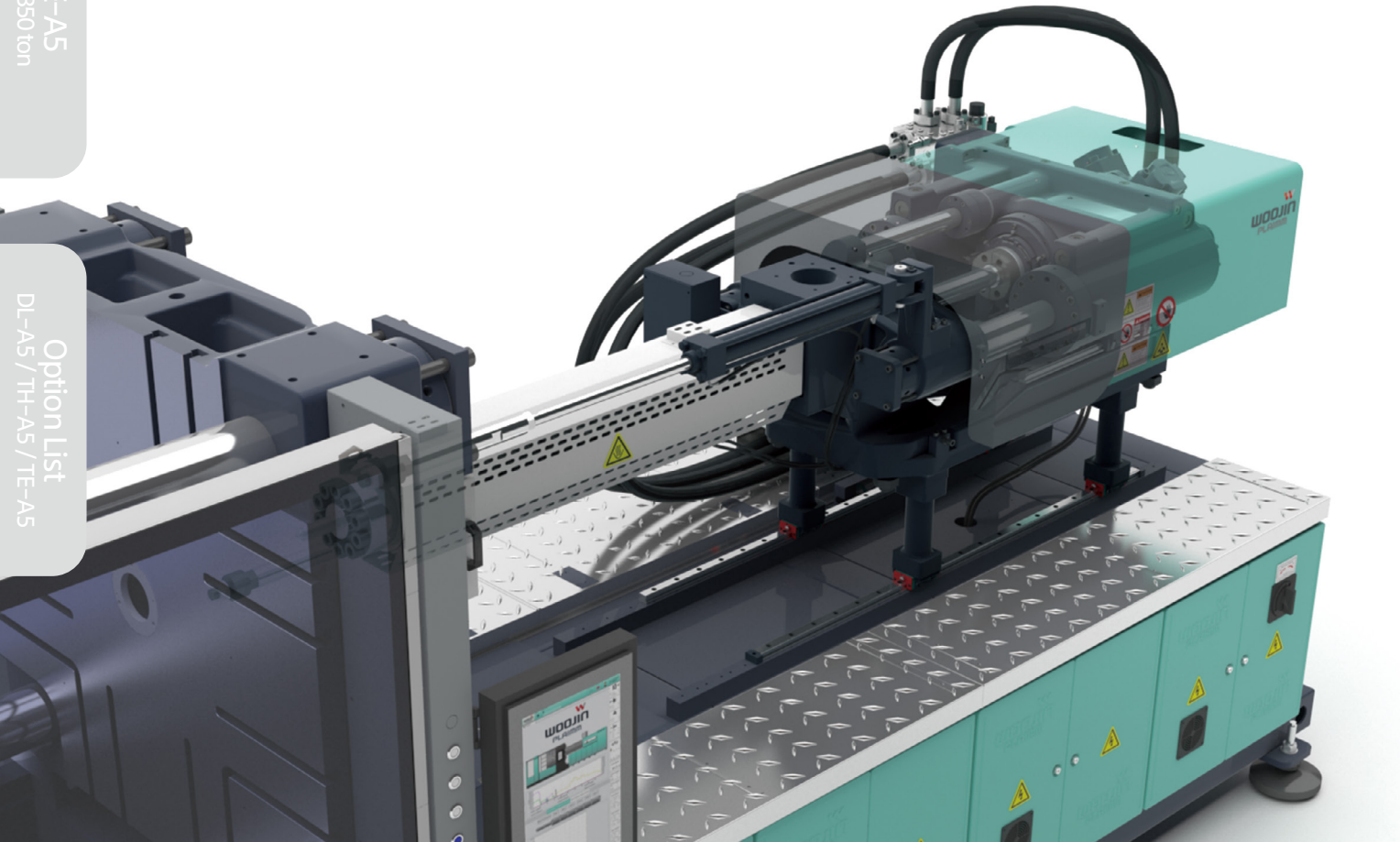
· The close location between each cylinder and hydraulic line improves responsiveness, and the integration of the hydraulic line prevents oil flow noise and leakage.
· When applying injection unit with one size up or down, no need to change injection frame or platen. (modular system)

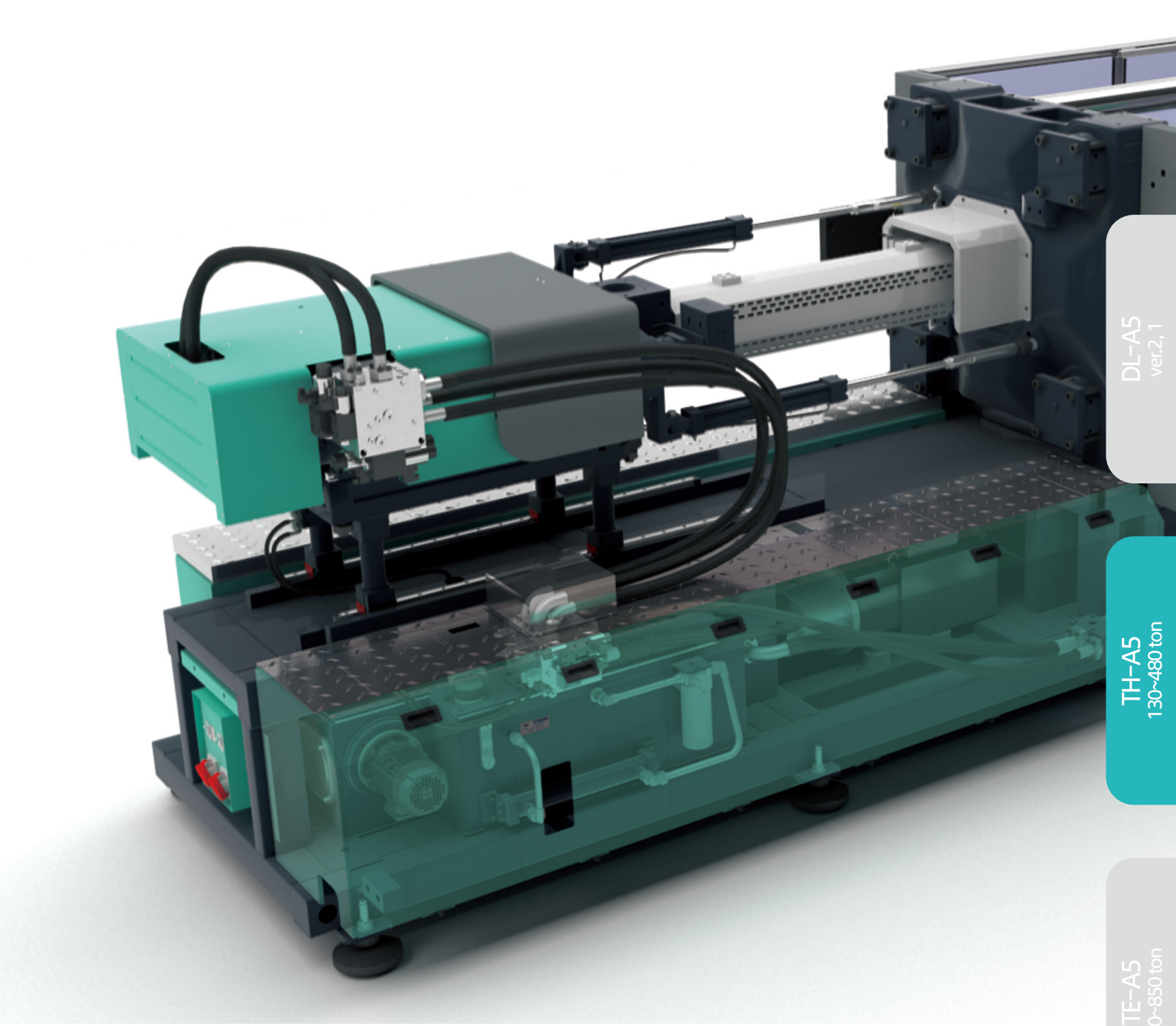
05. Improve responsiveness and control capability

· Improve responsiveness and control capability by independent mechanism between injection and suck back functions.

06. Apply LM Guide

· Energy savings through maintaining parallelism and reducing friction through the application of LM guides to injection bed and charging areas.





Hydraulic Unit

01. Reduced noise and improve space utilization

· Reduced noise and improved space utilization by integrating servo motors required for ejecting on the fly.

02. Independent hydraulic oil circulation system

· Keep cleanliness and constant temperature through independent oil tank circulation system.
(contributes to longer lifespan of Hydraulic oil and improved durability of hydraulic components)

03. Improved internal cleanliness

· Special coating inside and outside of the hydraulic block for improved internal cleanliness and strong corrosion resistance.

04. Reduction of energy consumption and hydraulic oil consumption

· High efficiency pumps and motors reduce energy and Hydraulic oil consumption.

05. Modular hydraulic core application

· Modular hydraulic core application facilitates scalability.

Specification

		TH130A5									TH190A5								
		IH190			IH300			IH600			IH300			IH600			IH1000		
Injection Unit																			
Screw & Barrel type		O	A	B	O	A	B	O	A	B	O	A	B	O	A	B	O	A	B
Screw diameter	mm	25	28	32	28	32	36	36	40	45	28	32	36	36	40	45	45	50	55
Injection pressure	kg/㎠	2688	2363	1809	2686	2450	1936	2690	2431	1920	2686	2450	1936	2690	2431	1920	2600	2258	1866
	Mpa	264	232	177	263	240	190	264	238	188	263	240	190	264	238	188	255	221	183
Theoretical Injection Volume	㎤	64	80	105	92	121	153	204	251	318	92	121	153	204	251	318	366	452	546
Shot weight (PS)	g	59	74	96	85	111	141	188	232	293	85	111	141	188	232	293	337	416	504
Injection rate	㎤/s	62	77	101	74	97	122	122	151	191	74	97	122	122	151	191	175	217	262
Screw stroke	mm	130	130	130	150	150	150	200	200	200	150	150	150	200	200	200	230	230	230
Injection Speed	mm/s	125	125	125	120	120	120	120	120	120	120	120	120	120	120	120	110	110	110
Plasticizing capacity	kg/h	31	41	58	41	58	82	69	94	127	41	58	82	69	94	127	110	148	189
Screw rotation speed	rpm	360	360	360	360	360	360	300	300	300	360	360	360	300	300	300	260	260	260
Clamping Unit																			
Clamping force	ton(kN)	130(1275)									190(1863)								
Distance between tie-bar(HxV)	mm	470 x 470									570 x 570								
Platen dimension (H x V)	mm	680 x 680									840 x 810								
Daylight	mm	400									500								
Max. Daylight	mm	850									1000								
Min. Mold height	mm	150									180								
Max. Mold height	mm	450									500								
Ejector force	ton(kN)	3.7(36.3)									4.5(44.1)								
Ejector stroke	mm	130									160								
General																			
Heater capacity	kW	6.1	7.0	7.8	7.0	7.8	9.1	9.9	11.2	12.6	7.0	7.8	9.1	9.9	11.2	12.6	14.6	17.1	18.7
Motor capacity	kW	7.7	7.7	7.7	9.1	9.1	9.1	15.7	15.7	15.7	9.1	9.1	9.1	15.7	15.7	15.7	19.8	19.8	19.8
Total electric power capacity	kW	13.8	14.7	15.5	16.1	16.9	18.2	25.6	26.9	28.3	16.1	16.9	18.2	25.6	26.9	28.3	34.4	36.9	38.5
Hydraulic oil tank capacity	L	190			190			190			300			300			300		
Machine weight	ton	4.5			5.0			5.5			6.5			7.0			7.5		
Machine dimension (L*W*H)	m	5.0 x 1.5 x 2.0			5.0 x 1.5 x 2.0			5.0 x 1.5 x 2.0			5.7 x 1.6 x 2.0			5.7 x 1.6 x 2.0			5.7 x 1.6 x 2.0		
Cooling water consumption	L/min	40			40			40			40			40			40		

01. Theoretical injection volume: cross section of screw*screw stroke.
02. The minimum mold size should be more than 70% of tie-bar distance.
03. The specifications might be changed without any prior notice.
04. The metering distance is recommended in the range of 1 to 3 times of screw diameter.

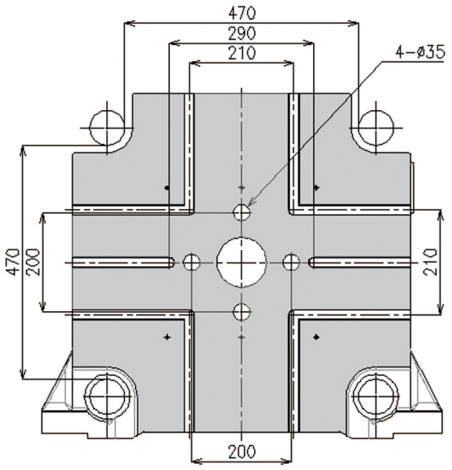
		TH240A5									TH280A5								
		IH600			IH1000			IH1250			IH1000			IH1250			IH1800		
Injection Unit																			
Screw & Barrel type		O	A	B	O	A	B	O	A	B	O	A	B	O	A	B	O	A	B
Screw diameter	mm	36	40	45	45	50	55	50	55	60	45	50	55	50	55	60	55	60	65
Injection pressure	kg/㎠	2690	2431	1920	2600	2258	1866	2594	2144	1801	2600	2258	1866	2594	2144	1801	2494	2257	2008
	Mpa	264	238	188	255	221	183	254	210	177	255	221	183	254	210	177	245	221	197
Theoretical Injection Volume	㎤	204	251	318	366	452	546	481	582	693	366	452	546	481	582	693	677	806	946
Shot weight (PS)	g	188	232	293	337	416	504	443	536	638	337	416	504	443	536	638	624	743	871
Injection rate	㎤/s	122	151	191	175	217	262	217	262	312	175	217	262	217	262	312	249	296	347
Screw stroke	mm	200	200	200	230	230	230	245	245	245	230	230	230	245	245	245	285	285	285
Injection Speed	mm/s	120	120	120	110	110	110	110	110	110	110	110	110	110	110	110	105	105	105
Plasticizing capacity	kg/h	69	94	127	110	148	189	142	182	233	110	148	189	142	182	233	160	205	253
Screw rotation speed	rpm	300	300	300	260	260	260	250	250	250	260	260	260	250	250	250	220	220	220
Clamping Unit																			
Clamping force	ton(kN)	240(2354)									280(2746)								
Distance between tie-bar(HxV)	mm	625 x 625									670 x 670								
Platen dimension (H x V)	mm	900 x 870									990 x 980								
Daylight	mm	550									600								
Max. Daylight	mm	1150									1250								
Min. Mold height	mm	200									250								
Max. Mold height	mm	600									650								
Ejector force	ton(kN)	6.3(61.8)									6.3(61.8)								
Ejector stroke	mm	180									200								
General																			
Heater capacity	kW	9.9	11.2	12.6	14.6	17.1	18.7	19.1	21.0	23.8	14.6	17.1	18.7	19.1	21.0	23.8	21.0	23.8	25.7
Motor capacity	kW	15.7	15.7	15.7	19.8	19.8	19.8	25.1	25.1	25.1	19.8	19.8	19.8	25.1	25.1	25.1	32.7	32.7	32.7
Total electric power capacity	kW	25.6	26.9	28.3	34.4	36.9	38.5	44.2	46.1	48.9	34.4	36.9	38.5	44.2	46.1	48.9	53.7	56.5	58.4
Hydraulic oil tank capacity	L	340			340			340			340			340			340		
Machine weight	ton	9.3			9.8			10.3			11.8			12.3			12.8		
Machine dimension (L*W*H)	m	6.4 x 1.7 x 2.0			6.4 x 1.7 x 2.0			6.4 x 1.7 x 2.0			6.8 x 1.8 x 2.0			6.8 x 1.8 x 2.0			6.8 x 1.8 x 2.0		
Cooling water consumption	L/min	40			40			40			40			40			40		

		TH380A5									TH420A5								
		IH1250			IH1800			IH2800			IH1250			IH1800			IH2800		
Injection Unit																			
Screw & Barrel type		O	A	B	O	A	B	O	A	B	O	A	B	O	A	B	O	A	B
Screw diameter	mm	50	55	60	55	60	65	65	70	80	50	55	60	55	60	65	65	70	80
Injection pressure	kg/㎠	2594	2144	1801	2494	2257	2008	2375	2048	1568	2594	2144	1801	2494	2257	2008	2375	2048	1568
	Mpa	254	210	177	245	221	197	233	201	154	254	210	177	245	221	197	233	201	154
Theoretical Injection Volume	㎤	481	582	693	677	806	946	1161	1347	1759	481	582	693	677	806	946	1161	1347	1759
Shot weight (PS)	g	443	536	638	624	743	871	1070	1241	1621	443	536	638	624	743	871	1070	1241	1621
Injection rate	㎤/s	217	262	312	249	296	347	313	363	474	217	262	312	249	296	347	313	363	474
Screw stroke	mm	245	245	245	285	285	285	350	350	350	245	245	245	285	285	285	350	350	350
Injection Speed	mm/s	110	110	110	105	105	105	94	94	94	110	110	110	105	105	105	94	94	94
Plasticizing capacity	kg/h	142	182	233	160	205	253	201	244	347	142	182	233	160	205	253	201	244	347
Screw rotation speed	rpm	250	250	250	220	220	220	175	175	175	250	250	250	220	220	220	175	175	175
Clamping Unit																			
Clamping force	ton(kN)	380(3727)									420(4119)								
Distance between tie-bar(HxV)	mm	770 x 770									820 x 820								
Platen dimension (H x V)	mm	1160 x 1090									1210 x 1150								
Daylight	mm	700									750								
Max. Daylight	mm	1450									1550								
Min. Mold height	mm	300									350								
Max. Mold height	mm	750									800								
Ejector force	ton(kN)	9.6(94.2)									9.6(94.2)								
Ejector stroke	mm	210									210								
General																			
Heater capacity	kW	19.1	21.0	23.8	21.0	23.8	25.7	18.4	20.6	24.1	19.1	21.0	23.8	21.0	23.8	25.7	18.4	20.6	24.1
Motor capacity	kW	25.1	25.1	25.1	32.7	32.7	32.7	32.7	32.7	32.7	25.1	25.1	25.1	32.7	32.7	32.7	32.7	32.7	32.7
Total electric power capacity	kW	44.2	46.1	48.9	53.7	56.5	58.4	51.1	53.3	56.8	44.2	46.1	48.9	53.7	56.5	58.4	51.1	53.3	56.8
Hydraulic oil tank capacity	L	450			450			450			450			450			450		
Machine weight	ton	15.5			16.0			17.0			16.5			17.0			18.0		
Machine dimension (L*W*H)	m	7.5 x 2 x 2.0			7.5 x 2 x 2.0			7.5 x 2 x 2.0			7.6 x 2.1 x 2.1			7.6 x 2.1 x 2.1			7.6 x 2.1 x 2.1		
Cooling water consumption	L/min	65			65			65			65			65			65		

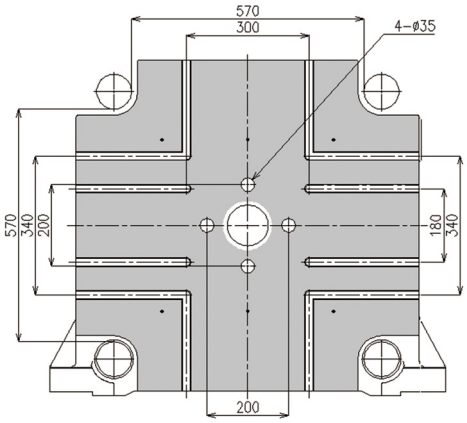
		TH480A5					
		IH1800			IH2800		
Injection Unit							
Screw & Barrel type		O	A	B	O	A	B
Screw diameter	mm	55	60	65	65	70	80
Injection pressure	kg/㎠	2494	2257	2008	2375	2048	1568
	Mpa	245	221	197	233	201	154
Theoretical Injection Volume	㎤	677	806	946	1161	1347	1759
Shot weight (PS)	g	624	743	871	1070	1241	1621
Injection rate	㎤/s	249	296	347	313	363	474
Screw stroke	mm	285	285	285	350	350	350
Injection Speed	mm/s	105	105	105	94	94	94
Plasticizing capacity	kg/h	160	205	253	201	244	347
Screw rotation speed	rpm	220	220	220	175	175	175
Clamping Unit							
Clamping force	ton(kN)	480(4707)					
Distance between tie-bar(HxV)	mm	870 x 870					
Platen dimension (H x V)	mm	1270 x 1190					
Daylight	mm	800					
Max. Daylight	mm	1600					
Min. Mold height	mm	350					
Max. Mold height	mm	800					
Ejector force	ton(kN)	14.9(146.2)					
Ejector stroke	mm	230					
General							
Heater capacity	kW	21.0	23.8	25.7	18.4	20.6	24.1
Motor capacity	kW	32.7	32.7	32.7	32.7	32.7	32.7
Total electric power capacity	kW	53.7	56.5	58.4	51.1	53.3	56.8
Hydraulic oil tank capacity	L	500			500		
Machine weight	ton	24.0			25.0		
Machine dimension (L*W*H)	m	8.5 x 2.1 x 2.15			8.5 x 2.1 x 2.15		
Cooling water consumption	L/min	65			65		

Platen Dimension

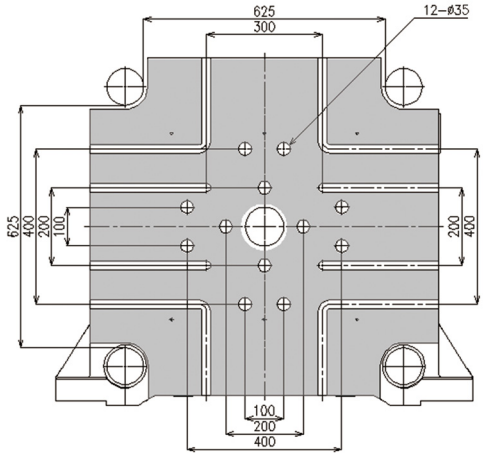
* The images and specifications might be changed without any prior notice.



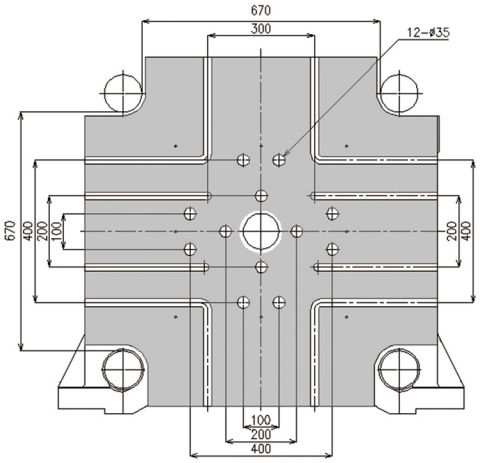
130 ton



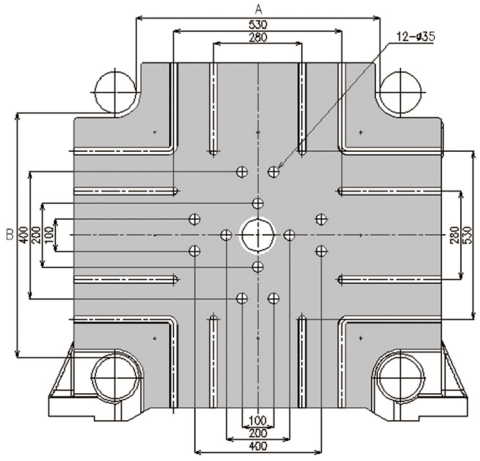
190 ton



240 ton



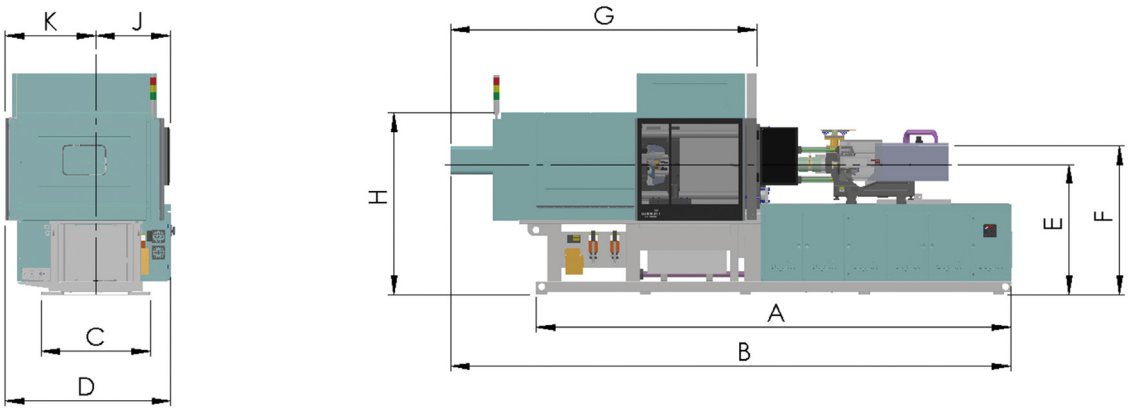
280 ton



380 ton (A: 770 / B: 770)
420 ton (A: 820 / B: 820)
480 ton (A: 870 / B: 870)

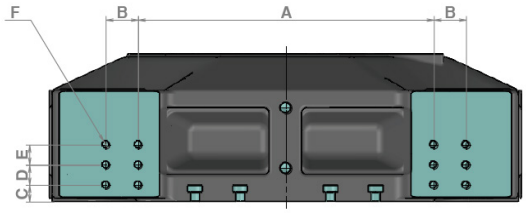
Machine Dimension

* The images and specifications might be changed without any prior notice.

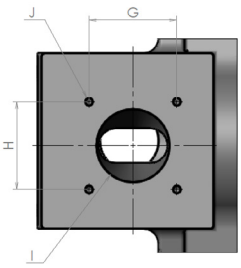


Unit: mm

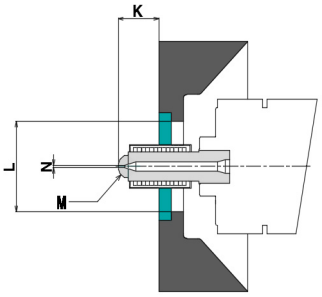
	A	B	C	D	E	F	G	H	I	J	K
TH130A5	4190	4944	965	1463	1145	1300	2703	1953	1505	663	800
TH190A5	4750	5650	1100	1540	1245	1405	2992	1918	1685	670	870
TH240A5	5595	6335	1180	1614	1354	1529	3439	1949	1834	707	907
TH280A5	5912	6648	1240	1682	1402	1562	3620	1945	1917	735	947
TH380A5	6560	7462	1450	1880	1425	1600	4206	2025	2025	850	1030
TH420A5	6790	7742	1500	1930	1450	1625	4466	2075	2075	875	1055
TH480A5	7537	8624	1390	2000	1550	1740	4690	2190	2190	910	1090



▲ Robot installation position dimension



▲ Hopper installation position dimension



▲ Nozzle dimension

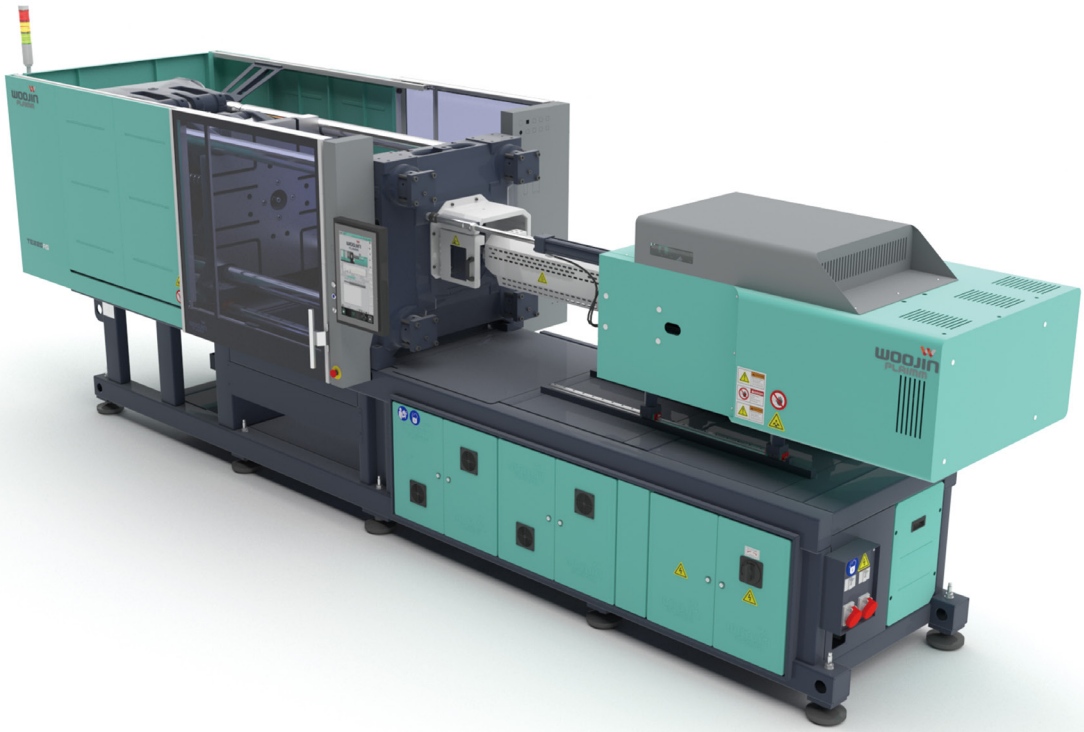
Unit: mm

	Robot installation position dimension						Hopper installation position dimension				Nozzle dimension			
	A	B	C	D	E	F	G	H	ØI	J	K	ØL	M	ØN
TH130A5	455	85	35	70	-	8-M16 TAP DP32	100	100	Ø85	4-M12 TAP	50	Ø100	R9	Ø2.5
TH190A5	420	140	35	70	70	12-M20 TAP DP40	120	120	Ø90	4-M12 TAP	50	Ø100	R9	Ø3
TH240A5	560	140	35	70	70	12-M20 TAP DP40	120	120	Ø100	4-M12 TAP	50	Ø100	R14	Ø3.5
TH280A5	560	140	35	140	-	8-M20 TAP DP40	120	120	Ø100	4-M12 TAP	50	Ø100	R14	Ø3.5
TH380A5	760	150	40	150	-	8-M20 TAP DP40	127	127	Ø115	4-M12 TAP	50	Ø100	R14	Ø3.5
TH420A5	850	100	50	60	60	12-M24 TAP DP40	127	127	Ø115	4-M12 TAP	50	Ø100	R14	Ø3.5
TH480A5	980	100	45	60	60	12-M24 TAP DP40	127	127	Ø115	4-M12 TAP	120	Ø100	R19	Ø4

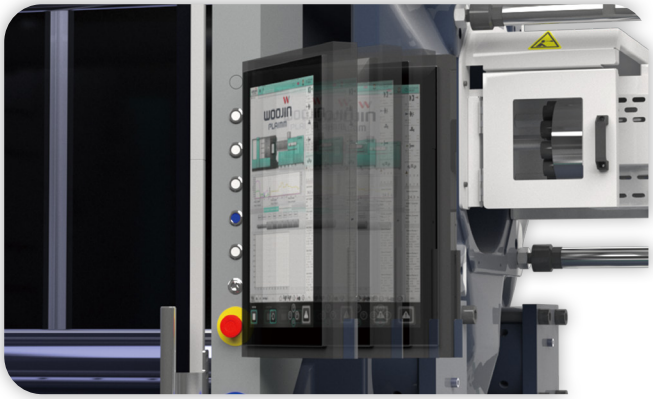
TE-A5

New standard quality of plastic injection

Premium power-saving electric injection molding machine that ensures precision of operation by applying high performance AC servo motor and enables rapid processing with independent control for moving part.

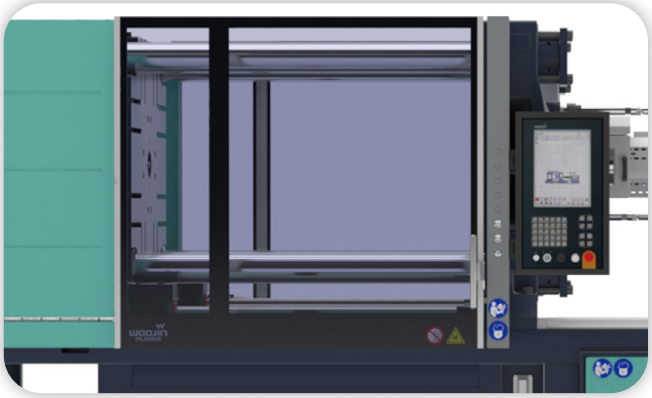


New Design



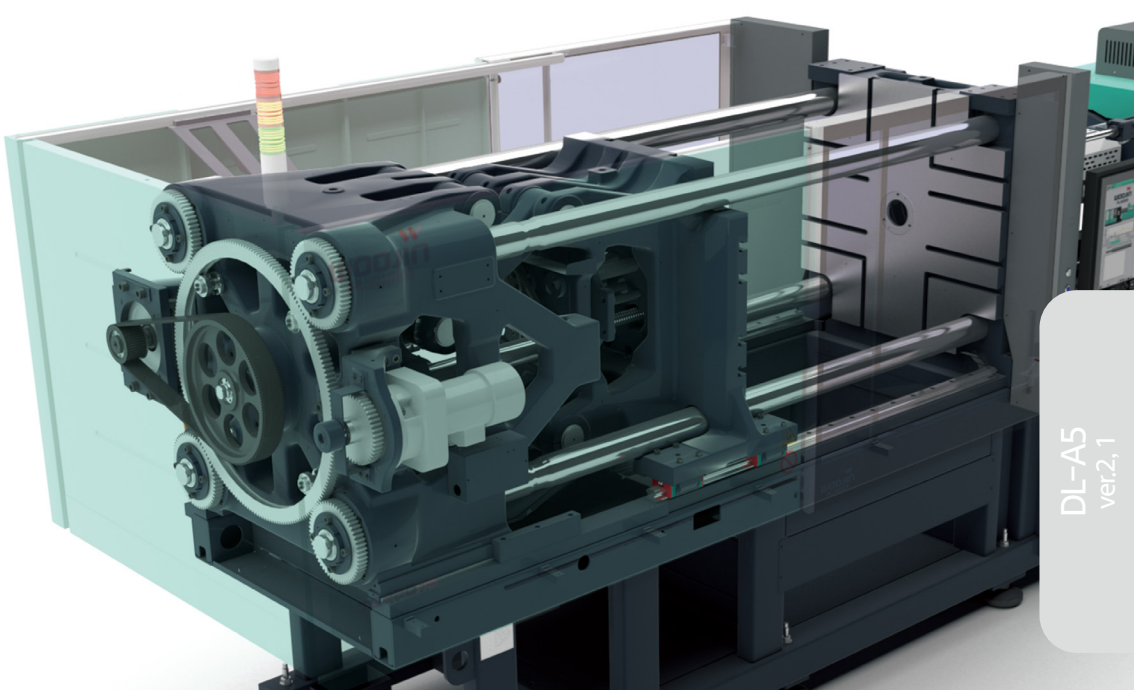
01. Torque Hinge

· Apply Torque Hinge for easily adjustable angle and secure broad visual range.



02. Transparent polycarbonate door

. Unbreakable transparent polycarbonate door



Clamping Unit

01. New Toggle
· Application of new toggle system for fast mold opening and closing and clamp-type toggle pin fixing to increase the durability.

02. Automatic clamping force adjustment
· Automatic clamping force adjustment by detecting real-time clamping force variation.

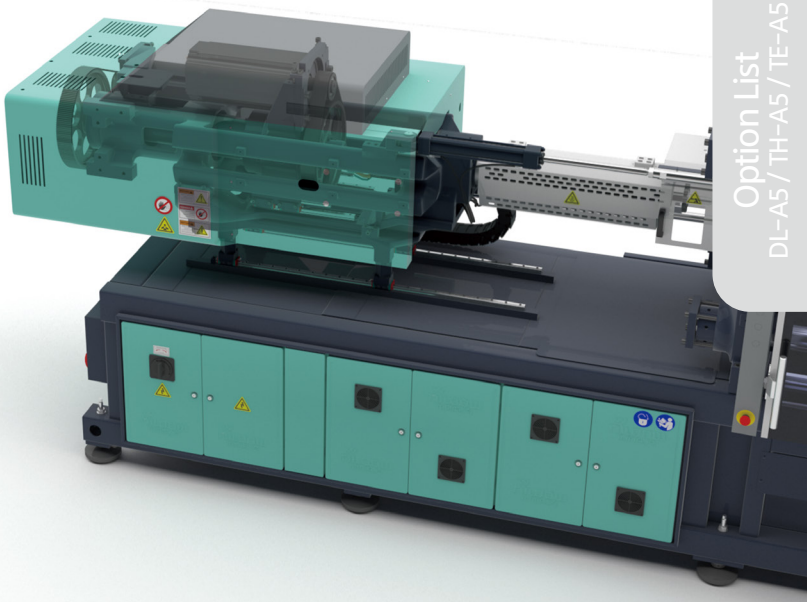
03. High energy efficiency
· High energy efficiency due to the high speed mold opening and closing, maintaining constant platen parallelism and little friction.

04. Center-press method
· Center-press method delivers excellent clamping power to mold and uniform surface pressure.

05. Wide tie bar distance
· Applicable with a wide range of molds by increased tie-bar distance and mold opening compared with equivalent group of other brands.

Injection Unit

01. Enhanced plasticization capability
·Melt resin quickly and uniformly by improved plasticization capability.



02. Improved molding precision
· Prevent platen equilibrium problem caused by repeated nozzle touch and improve molding precision.

03. Easy to manage screw and barrel
· Easy replacement and management of screw and barrel.

04. Improve space utilization
· Improve space utilization by in-line servo drive box.

Specification

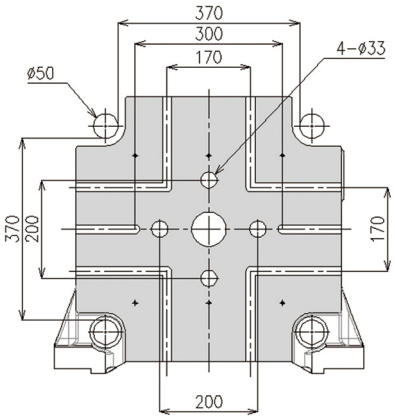
		TE50A5			TE110A5			TE170A5			TE220A5			TE280A5			TE280WA5		
		IE125			IE260			IE370			IE520			IE720			IE1000		
Injection Unit																			
Screw & Barrel type		O	A	B	O	A	B	O	A	B	O	A	B	O	A	B	O	A	B
Screw diameter	mm	22	25	28	28	32	36	32	36	40	36	40	45	40	45	50	45	50	55
Injection pressure	kg/㎠	2610	2021	1612	2644	2024	1599	2573	2033	1647	2541	2059	1627	2605	2058	1667	2525	2045	1690
	Mpa	256	198	158	259	198	157	252	199	162	249	202	160	255	202	163	248	201	166
Injection holding pressure	kg/㎠	2349	1819	1451	2380	1822	1439	2316	1830	1482	2287	1853	1464	2345	1852	1500	2273	1841	1521
	Mpa	230	178	142	233	179	141	227	179	145	224	182	144	230	182	147	223	180	149
Theoretical Injection Volume	㎤	48	61	77	99	129	163	145	183	226	204	251	318	276	350	432	398	491	594
Shot weight (PS)	g	44	56	70	90	117	148	132	167	206	186	228	289	251	319	393	362	447	541
Injection rate (standard)	㎤/s	95	123	154	132	173	219	161	204	251	163	201	254	188	239	295	239	295	356
Injection rate (optional)	㎤/s	190	245	308	265	346	438	322	407	503	326	402	509	377	477	589	477	589	713
Screw stroke	mm	125	125	125	160	160	160	180	180	180	200	200	200	220	220	220	250	250	250
Injection speed (standard)	mm/s	250	250	250	215	215	215	200	200	200	160	160	160	150	150	150	150	150	150
Injection speed (optional)	mm/s	500	500	500	430	430	430	400	400	400	320	320	320	300	300	300	300	300	300
Plasticizing capacity	kg/h	29	41	54	45	64	92	60	86	117	86	117	158	117	158	213	158	213	273
Screw rotation speed	rpm	470	470	470	400	400	400	375	375	375	375	375	375	375	375	375	300	300	300
Clamping Unit																			
Clamping force	ton(kN)	50(498)			110(1096)			170(1694)			220(2192)			280(2790)			280(2790)		
Distance between tie-bar (H x V)	mm	370x370			470x470			570x570			625x625			670x670			720x720		
Platen dimension (H x V)	mm	550x550			680x680			840x810			900x870			990x980			1020x1020		
Daylight	mm	300			400			500			550			600			650		
Max. Daylight	mm	700			850			1000			1150			1250			1350		
Min. Mold height	mm	140			150			180			200			250			300		
Max. Mold height	mm	400			450			500			600			650			700		
Ejector force	ton(kN)	1.9			3.1			3.4			3.4			4.3			4.3		
Ejector stroke	mm	80			120			150			180			200			200		
General																			
Motor capacity (standard)	kW	11.0			15.1			17.8			17.8			23.1			32.7		
Motor capacity (optional)	kW	22.0			30.2			35.6			35.6			46.2			65.4		
Heater capacity	kW	4.5	5.1	5.9	7.0	7.8	9.1	8.5	9.9	11.2	9.9	11.2	12.6	13.6	14.6	17.1	14.6	17.1	18.7
Total electric power capacity (normal)	kW	15.5	16.1	16.9	22.1	22.9	24.2	26.3	27.7	29.0	27.7	29.0	30.4	36.7	37.7	40.2	47.3	49.8	51.4
Total electric power capacity (High)	kW	26.5	27.1	27.9	37.2	38.0	39.3	44.1	45.5	46.8	45.5	46.8	48.2	59.8	60.8	63.3	80.0	82.5	84.1
Machine weight	ton	3.9			4.7			7.5			10.3			14.5			16		
Machine dimension (L*W*H)	m	4.3x1.2x1.8			5.1x1.2x2.0			5.7x1.6x2.0			6.3x1.7x2.0			6.7x1.7x2.0			7.1x1.8x2.1		

01. Theoretical injection volume: cross section of screw*screw stroke.
02. The minimum mold size should be more than 70% of tie-bar distance.
03. The specifications might be changed without any prior notice.
04. The metering distance is recommended in the range of 1 to 3 times of screw diameter.

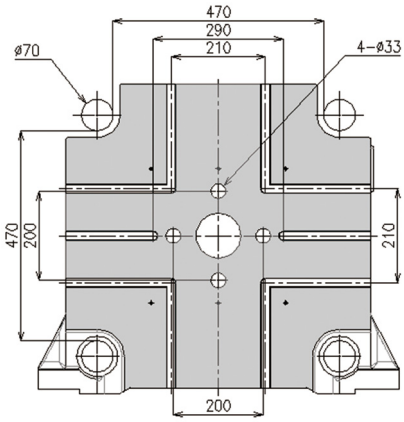
		TE350A5			TE400A5			TE450A5			TE550A5			TE650A5			TE850A5	
		IE1360			IE 1700			IE2800			IE4000			IE5700			IE8000	
Injection Unit																		
Screw & Barrel type		O	A	B	O	A	B	O	A	B	O	A	B	O	A	B	O	A
Screw diameter	mm	50	55	60	55	60	65	65	70	80	70	80	90	80	90	105	95	105
Injection pressure	kg/㎠	2472	2043	1716	2391	2017	1712	2416	2083	1595	2657	2034	1607	2543	2009	1476	2118	1734
	Mpa	242	200	168	234	198	168	237	204	156	261	199	158	249	197	145	208	170
Injection holding pressure	kg/㎠	2225	1839	1544	2152	1815	1541	2174	1875	1436	2391	1831	1446	2289	1808	1328	1906	1561
	Mpa	218	180	151	211	178	151	213	184	141	235	180	142	224	177	130	187	153
Theoretical Injection Volume	㎤	530	641	763	713	848	995	1161	1347	1759	1539	2011	2316	2262	2863	3897	3509	4286
Shot weight (PS)	g	482	583	694	649	772	905	1057	1226	1601	1400	1830	2108	2058	2605	3546	3193	3900
Injection rate (standard)	㎤/s	295	356	424	356	424	498	498	577	754	577	754	954	754	954	1299	1063	1299
Injection rate (optional)	㎤/s	589	713	848	713	848	995	–	–	–	–	–	–	–	–	–	–	–
Screw stroke	mm	270	270	270	300	300	300	350	350	350	400	400	400	450	450	450	495	495
Injection speed (standard)	mm/s	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Injection speed (optional)	mm/s	300	300	300	300	300	300	–	–	–	–	–	–	–	–	–	–	–
Plasticizing capacity	kg/h	142	182	233	163	210	259	230	279	397	244	347	458	298	408	618	393	515
Screw rotation speed	rpm	250	250	250	225	225	225	200	200	200	175	175	175	150	150	150	125	125
Clamping Unit																		
Clamping force	ton(kN)	350(3487)			400(3986)			450(4484)			550(5480)			650(6477)			850(8469)	
Distance between tie-bar (H x V)	mm	770x770			820x820			870x870			980x980			1080x1080			1180x1180	
Platen dimension (H x V)	mm	1160x1090			1210x1140			1270x1190			1435x1365			1550x1480			1710x1650	
Daylight	mm	700			750			800			900			1000			1200	
Max. Daylight	mm	1450			1550			1600			1850			2100			2400	
Min. Mold height	mm	300			350			350			400			450			500	
Max. Mold height	mm	750			800			800			950			1100			1200	
Ejector force	ton(kN)	5.7			5.7			10.0			14.6			14.6			20	
Ejector stroke	mm	210			210			220			220			230			230	
General																		
Motor capacity (standard)	kW	32.7			44.0			65.4			88.0			110.0			125.6	
Motor capacity (optional)	kW	65.4			88.0			–			–			–			–	
Heater capacity	kW	19.1	21.0	23.8	21.0	23.8	25.7	18.4	20.6	24.1	23.0	26.7	30.7	29.4	33.6	39.3	52.7	55.9
Total electric power capacity (normal)	kW	51.8	53.7	56.5	65.0	67.8	69.7	83.8	86.0	89.5	111.0	114.7	118.7	139.4	143.6	149.3	178.3	181.5
Total electric power capacity (High)	kW	84.5	86.4	89.2	109.0	111.8	113.7	–	–	–	–	–	–	–	–	–	–	–
Machine weight	ton	17.3			22.0			26.7			36.2			44.5			65	
Machine dimension (L*W*H)	m	8.0x1.9x2.2			8.3x2.0x2.2			8.7x2.1x2.2			9.2x2.5x2.2			10.0x2.5x2.3			11.5x2.7x2.5	

Platen Dimension

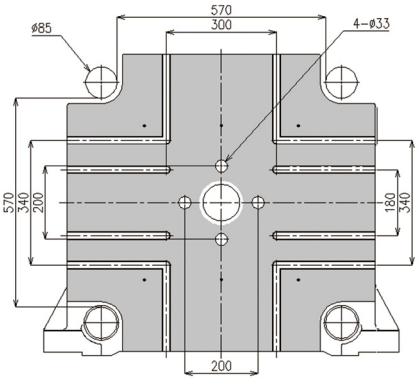
* The images and specifications might be changed without any prior notice.



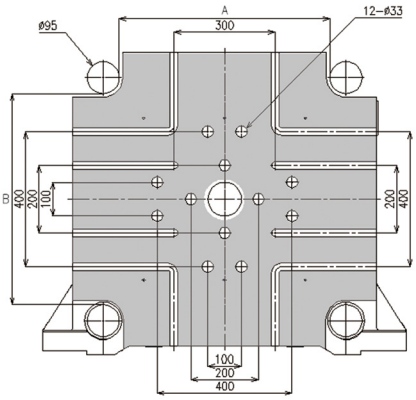
50 ton



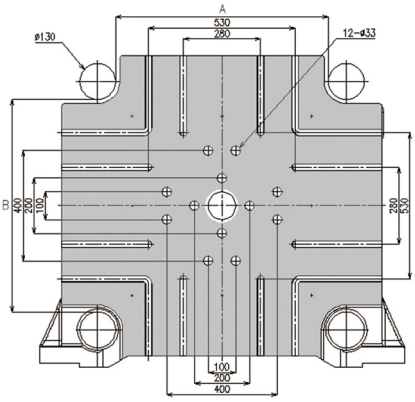
110 ton



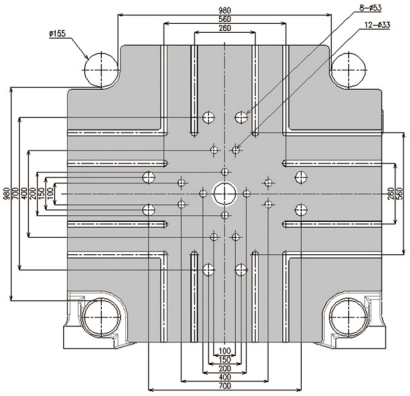
170 ton



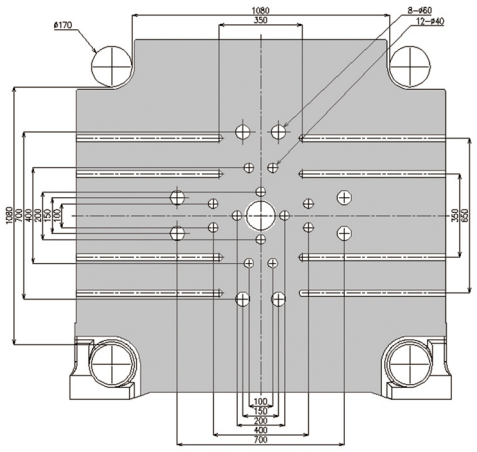
220 ton (A: 625 / B: 625)
280 ton (A: 670 / B: 670)
280W ton (A: 720 / B: 720)



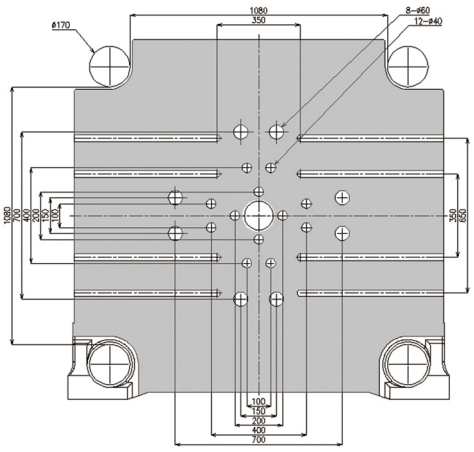
350 ton (A: 770 / B: 770)
400 ton (A: 820 / B: 820)
450 ton (A: 870 / B: 870)



550 ton



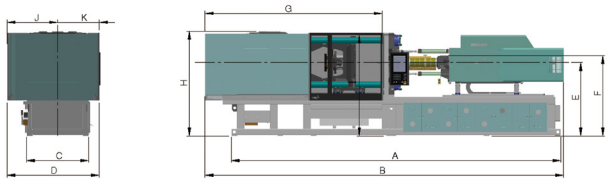
650 ton



850 ton

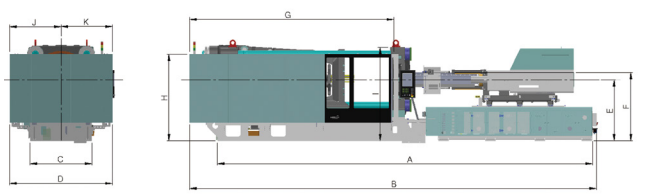
Machine Dimension

* The images and specifications might be changed without any prior notice.



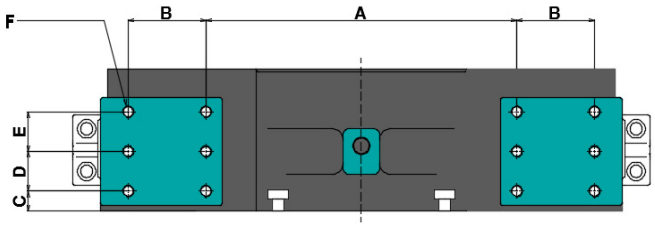
Unit: mm

	A	B	C	D	E	F	G	H	I	J	K
TE50A5	3855	4147	780	1136	1100	1190	1786	1454	1385	568	568
TE110A5	4635	5054	810	1192	1225	1325	2209	1940	1585	592	600
TE170A5	5000	5688	960	1540	1295	1410	2549	1969	1735	870	670
TE220A5	5400	6157	1040	1614	1350	1465	2913	1945	1830	907	707
TE280A5	5685	6618	1100	1684	1402	1532	3147	1945	1917	947	737
TE280WA5	6285	7308	1100	1711	1427	1557	3288	2002	2000	948	763
TE350A5	6735	7995	1270	1884	1495	1635	3610	2130	2095	1032	852
TE400A5	6935	8104	1320	1934	1520	1660	3800	2185	2145	1057	875

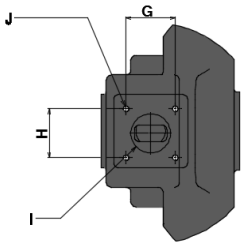


Unit: mm

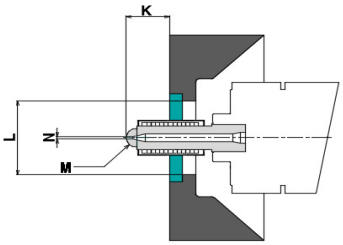
	A	B	C	D	E	F	G	H	I	J	K
TE450A5	8165	8710	1410	2002	1505	1645	4061	2200	2145	1090	912
TE550A5	8515	9450	1473	2468	1405	1560	4520	2173	2135	1234	1234
TE650A5	9100	10025	1500	2492	1480	1660	4870	2325	2270	1246	1246
TE850A5	10350	11476	1660	2685	1460	1695	5575	2450	2325	1342	1342



▲ Robot installation position dimension



▲ Hopper installation position dimension (TE110A5~850A5)



▲ Nozzle dimension

Unit: mm

	Robot installation position dimension						Hopper installation position dimension				Nozzle dimension			
	A	B	C	D	E	F	G	H	I	J	K	ØL	M	ØN
TE50A5	340	85	30	75	x	8-M16 TAP DP32	80	80	Ø70	4-M8 TAP	30	100	R9	2.5
TE110A5	455	85	35	70	x	8-M16 TAP DP32	100	100	Ø80	4-M12 TAP	50	100	R9	2.5
TE170A5	420	140	35	70	70	12-M20 TAP DP40	100	100	Ø80	4-M12 TAP	50	100	R9	3
TE220A5	560	140	35	70	70	12-M20 TAP DP40	100	100	Ø80	4-M12 TAP	50	100	R9	3
TE280A5	560	140	35	140	x	8-M20 TAP DP40	120	120	Ø100	4-M12 TAP	50	100	R14	3.5
TE280WA5	700	140	35	140	x	8-M20 TAP DP40	120	120	Ø100	4-M12 TAP	50	100	R14	3.5
TE350A5	760	150	40	150	x	8-M20 TAP DP40	120	120	Ø120	4-M12 TAP	50	100	R14	3.5
TE400A5	850	100	50	60	60	12-M24 TAP DP40	120	120	Ø120	4-M12 TAP	50	100	R14	3.5
TE450A5	980	100	45	60	60	12-M24 TAP DP40	165	165	Ø120	4-M12 TAP	130	100	R19	4
TE550A5	915	100	50	60	60	12-M24 TAP DP48	165	165	Ø120	4-M12 TAP	130	100	R19	5
TE650A5	1000	240	70	105	105	12-M24 TAP DP48	165	165	Ø88	4-M12 TAP	130	100	R19	5
TE850A5	1120	240	70	105	105	12-M24 TAP DP48	165	165	Ø103	4-M12 TAP	130	100	R19	6

Option List

* This page is provided for customer's better understanding.
* Automatic swiveling function may not be applicable when not using standard injection unit.

DL-A5 ver.2

Standard

Injection Unit	Clamping Unit	General
01. Automatic Injection unit swiveling (Below IH 11900)	01. Safety Foot-board (Above 900ton)	01. Standard Maintenance tools
02. Single Flight Screw	02. Automatic safety Door open/close (Above 500ton)	02. Standard spare part
03. Injection valve gate circuit (AC 1 + DC 1)	03. Clamping area Curtain sensor	03. Leveling pad
04. Back-Pressure Closed-loop system	04. Hydraulic Core puller (Moving platen side, 1 stage)	04. Cooling water distributor
05. PID Heating Control	05. Air blow-off unit (Fixed side 1 + Moving side 1)	05. Automatic grease lubrication (Clamping)
06. Weekly Heating Timer	06. Safety device(for electric & hydraulic)	06. Robot interface (Standard)
07. Cold screw start protection mode	07. Spring mold mode	07. 3 Phase electric outlet (2 ea)
08. Temperature display & Alarm in abnormal Temp.	08. Automatic Mold thickness adjust mode	08. Single Phase electric outlet (1 ea)
09. Auto Purging	09. Mold-Open Speed & Pressure step (5 step)	09. Steel tray for resin leakage
10. Injection Speed & Pressure step (10 step)	10. Ejector Speed & Pressure step (3 step)	10. Hopper throat temperature control device
11. Holding Speed & Pressure step (5 step)		11. Hydraulic oil purification device
12. Charging Speed & Pressure step (3 step)		12. Hydraulic oil temperature control deivce
13. Back Pressure control step (3 step)		13. Hydraulic oil level alarm
14. Injection Pressure Graph Display		14. Hydraulic oil temperature check & alarm
15. Injection Speed Graph Display		15. Hydraulic oil heating mode
16. Screw RPM Display		16. 3 color alarm light
17. Cushion Display & Alarm		17. Shot data saving by external way
18. Charging time count & alarm		18. Production data statistics
19. Screw & Barrel (Anti Wear)		19. Alarming & History save
		20. Log history save
		21. I/O circuit display
		22. Shot data save (Internal 1,000 / External device)

Option

01. Heater Disconnection check device	01. Rotating Core Circuit	01. Hydraulic Auto-Clamp unit
02. Hopper Slide (L/M)	02. Safety Foot-board (Below 700ton)	02. Anchor-bolt set (Clamping unit)
03. Hopper Ladder & Stand	03. Core & Ejector on Fly	03. Heater Insulation Band
04. Screw & Barrel (Nitrided barrel)	04. Daylight Extension	04. Automatic Grease Lubrication (Injection unit)
05. Screw & Barrel (Anti Wear & Corrosive)	05. Core-Back Mode	05. Robot Interface (EM12, EM 67, EM67.1, SPI)
06. Valve Gate Circuit & Connector (Interior type)	06. Core Pressure release Circuit (Automatic)	06. CMS (Central Monitoring System)
07. Hydraulic Valve Gate Block (Interior type)	07. Core Pressure release Circuit (Manual)	07. AVR (Automatic Voltage Regulator) on Electric Panel
08. Pneumatic Valve Gate Block (Interior type)	08. Product Chute	08. UPS (Uninterrentable Power Supply) on Electric Panel
09. Hydraulic Valve Gate Device (External device)	09. Automatic Tie-bar Retraction	09. Dosing unit Interface (for Masterbatch)
10. Nozzle cylinders equipped with Potentiometers	10. Hydraulic Core Check Valve	10. Gas Injection Interface
11. Charging on Fly (Pump type)	11. Hydraulic Core Interlock Connector (EM13, WJ Standard)	11. Steam Injection Interface
12. Charging on Fly (AC Motor)	12. Hydraulic Core Puller (2~8 Stages)	12. External Temperature Display (F/P)
13. Shut-off Nozzle (Pneumatic, Hydraulic, Spring)	13. Mold ring on Moving-Platen	13. Interior type Hot Runner Controller (EM13, WJ Standard)
14. Customized Design Screw (SB, Mixing, Coating)	14. Spring type Ejector retraction	
	15. Ejector Check Valve	
	16. Ejector Interlock Connector (WJ Standard, EM13)	
	17. Ejector Forward / Backward External switch	
	18. Mold Insulation Plate	
	19. Pneumatic Core Puller (1~7 Stages)	

* This page is provided for customer's better understanding.
* Automatic swiveling function may not be applicable when not using standard injection unit.

DL-A5 ver.1

Standard

Injection Unit	Clamping Unit	General
01. Automatic Injection unit swiveling (Below IH 11900)	01. Safety Foot-board (Above 1050ton)	01. Standard Maintenance tools
02. Single Flight Screw	02. Automatic safety Door open/close (Above 450ton)	02. Standard spare part
03. Injection valve gate circuit (AC 1 + DC 1)	03. Clamping area Curtain sensor (Above 550ton)	03. Leveling pad
04. Back-Pressure Closed-loop system	04. Hydraulic Core puller (Moving platen side, 1 stage)	04. Cooling water distributor
05. PID Heating Control	05. Air blow-off unit (Fixed side 1 + Moving side 1)	05. Automatic grease lubrication (Clamping)
06. Weekly Heating Timer	06. Safety device(for electric & hydraulic)	06. Robot interface (Standard)
07. Cold screw start protection mode	07. Spring mold mode	07. 3 Phase electric outlet (2 ea)
08. Temperature display & Alarm in abnormal Temp.	08. Automatic Mold thickness adjust mode	08. Single Phase electric outlet (1 ea)
09. Auto Purging	09. Mold-Open Speed & Pressure step (5 step)	09. Steel tray for resin leakage
10. Injection Speed & Pressure step (10 step)	10. Ejector Speed & Pressure step (3 step)	10. Hopper throat temperature control device
11. Holding Speed & Pressure step (5 step)		11. Hydraulic oil purification device
12. Charging Speed & Pressure step (3 step)		12. Hydraulic oil temperature control deivce
13. Back Pressure control step (3 step)		13. Hydraulic oil level alarm
14. Injection Pressure Graph Display		14. Hydraulic oil temperature check & alarm
15. Injection Speed Graph Display		15. Hydraulic oil heating mode
16. Screw RPM Display		16. 3 color alarm light
17. Cushion Display & Alarm		17. Shot data saving by external way
18. Charging time count & alarm		18. Production data statistics
19. Screw & Barrel (Anti Wear)		19. Alarming & History save
		20. Log history save
		21. I/O circuit display
		22. Shot data save (Internal 1,000 / External device)

Option

01. Heater Disconnection check device	01. Rotating Core Circuit	01. Hydraulic Auto-Clamp unit
02. Hopper Slide (L/M)	02. Safety Foot-board (Below 850ton)	02. Anchor-bolt set (Clamping unit)
03. Hopper Ladder & Stand	03. Core & Ejector on Fly	03. Heater Insulation Band
04. Screw & Barrel (Nitrided barrel)	04. Daylight Extension	04. Automatic Grease Lubrication (Injection unit)
05. Screw & Barrel (Anti Wear & Corrosive)	05. Core-Back Mode	05. Robot Interface (EM12, EM 67, EM67.1, SPI)
06. Valve Gate Circuit & Connector (Interior type)	06. Core Pressure release Circuit (Automatic)	06. CMS (Central Monitoring System)
07. Hydraulic Valve Gate Block (Interior type)	07. Core Pressure release Circuit (Manual)	07. AVR (Automatic Voltage Regulator) on Electric Panel
08. Pneumatic Valve Gate Block (Interior type)	08. Product Chute	08. UPS (Uninterrentable Power Supply) on Electric Panel
09. Hydraulic Valve Gate Device (External device)	09. Hydraulic Core Check Valve	09. Dosing unit Interface (for Masterbatch)
10. Nozzle cylinders equipped with Potentiometers	10. Hydraulic Core Interlock Connector (EM13, WJ Standard)	10. Gas Injection Interface
11. Charging on Fly (Pump type)	11. Hydraulic Core Puller (2~8 Stages)	11. Steam Injection Interface
12. Charging on Fly (AC Motor)	12. Mold ring on Moving-Platen	12. External Temperature Display (F/P)
13. Shut-off Nozzle (Pneumatic, Hydraulic, Spring)	13. Spring type Ejector retraction	13. Interior type Hot Runner Controller (EM13, WJ Standard)
14. Customized Design Screw (SB, Mixing, Coating)	14. Ejector Check Valve	
	15. Ejector Interlock Connector (WJ Standard, EM13)	
	16. Ejector Forward / Backward External switch	
	17. Mold Insulation Platen	
	18. Pneumatic Core Puller (1-7 Stages)	

* This page is provided for customer's better understanding.

TH-A5		
Injection Unit	**Clamping Unit**	**General**
Standard		
01. Single Flight Screw	01. Mold thickness adjusting break unit	01. Standard Maintenance tools
02. Injection valve gate circuit (AC 1 + DC 1)	02. Hydraulic Core puller (Moving platen side, 1 stage)	02. Standard spare part
03. Back-Pressure Closed-loop system	03. Air blow-off unit (Fixed side 1 + Moving side 1)	03. Leveling pad
04. PID Heating Control	04. Safety device(for electric & hydraulic)	04. Cooling water distributor
05. Weekly Heating Timer	05. Automatic Mold thickness adjust mode	05. Automatic oil lubrication (Toggle)
06. Cold screw start protection mode	06. Mold-Open Speed & Pressure step (4 step)	06. Robot interface (Standard)
07. Temperature display & Alarm in abnormal Temp.	07. Mold-Close Speed & Pressure step (5 step)	07. 3 Phase electric outlet (2 ea)
08. Auto Purging	08. Ejector Speed & Pressure step (2 step)	08. Single Phase electric outlet (1 ea)
09. Injection Speed & Pressure step (10 step)		09. Hopper throat temperature control device
10. Holding Speed & Pressure step (5 step)		10. Hydraulic oil purification device
11. Charging Speed & Pressure step (3 step)		11. Hydraulic oil temperature control deivce
12. Back Pressure control step (3 step)		12. Hydraulic oil level alarm
13. Injection Pressure Graph Display		13. Hydraulic oil temperature check & alarm
14. Injection Speed Graph Display		14. Hydraulic oil heating mode
15. Screw RPM Display		15. 3 color alarm light
16. Cushion Display & Alarm		16. Shot data saving by external way
17. Charging time count & alarm		17. Production data statistics
18. Screw & Barrel (Anti Wear)		18. Alarming & History save
		19. Log history save
		20. I/O circuit display
		21. Shot data save (Internal 1,000 / External device)
Option		
01. Heater Disconnection check device	01. Rotating Core Circuit	01. Lubricating oil Recycling device
02. Hopper Slide (L/M)	02. Core & Ejector on Fly	02. Product drop check device
03. Screw & Barrel (Nitrided barrel)	03. Daylight Extension	03. Product quality sorting device (Below 280ton)
04. Screw & Barrel (Anti Wear & Corrosive)	04. Automatic safety Door open/close	04. Hydraulic Auto-Clamp unit
05. Fast Injection Circuit (ACC)	05. Core Pressure release Circuit (Automatic)	05. Steel tray for resin leakage
06. Valve Gate Circuit & Connector (Interior type)	06. Product Chute	06. Heater Insulation Band
07. Hydraulic Valve Gate Block (Interior type)	07. Hydraulic Core Check Valve	07. Automatic Grease Lubrication (Clamping unit)
08. Pneumatic Valve Gate Block (Interior type)	08. Hydraulic Core Interlock Connector (EM13, WJ Standard)	08. Robot Interface (EM12, EM67, EM67.1, SPI)
09. Hydraulic Valve Gate Device (External device)	09. Hydraulic Core Puller (Fixed, 1~4 Stages)	09. CMS (Central Monitoring System)
10. Charging on Fly (AC Motor)	10. Hydraulic Core Puller (Moving 2~4 Stages)	10. AVR (Automatic Voltage Regulator) on Electric Panel
11. Shut-off Nozzle (Pneumatic, Hydraulic, Spring)	11. Mold ring on Moving-Platen	11. UPS (Uninterrentable Power Supply) on Electric Panel
12. Customized Design Screw (SB, Mixing, Coating)	12. Ejector Check Valve	12. Dosing unit Interface (for Masterbatch)
	13. Ejector Interlock Connector (WJ Standard, EM13)	13. Gas Injection Interface
	14. Ejector Forward/Backward External switch	14. Steam Injection Interface
	15. Mold Insulation Platen	15. External Temperature Display (F/P)
	16. Pneumatic Core Puller (1-3 Stages)	16. Interior type Hot Runner Controller (EM13, WJ Standard)

* This page is provided for customer's better understanding.

TE-A5

Standard

Injection Unit	Clamping Unit	General
01. Single Flight Screw	01. Ejecting on fly	01. Standard Maintenance tools
02. Injection valve gate circuit (AC 1 + DC 1)	02. Air blow-off unit (Fixed side 1 + Moving side 1)	02. Standard spare part
03. Back-Pressure Closed-loop system	03. Safety device(for electric & hydraulic)	03. Leveling pad
04. PID Heating Control	04. Automatic clamp force measurement mode	04. Cooling water distribution
05. Weekly Heating Timer	05. Automatic Mold thickness adjust mode	05. Automatic Ball-screw grease lubrication (All parts)
06. Cold screw protection mode	06. Mold-Open Speed & Pressure step (5 step)	06. Automatic oil lubrication (Toggle)
07. Temperature display & Alarm in abnormal Temp.	07. Mold-Close Speed & Pressure step (5 step)	07. Robot interface (Standard)
08. Auto Purging	08. Ejector Speed & Pressure step (3 step)	08. 3 Phase electric outlet (2 ea)
09. Injection Speed & Pressure step (10 step)		09. Single Phase electric outlet (1 ea)
10. Holding Speed & Pressure step (5 step)		10. Hopper throat temperature control device
11. Charging Speed & Pressure step (3 step)		11. 3 color alarm light
12. Back Pressure control step (3 step)		12. Shot data saving by external way
13. Injection Pressure Graph Display		13. Production data statistics
14. Injection Speed Graph Display		14. Alarming & History save
15. Screw RPM Display		15. Log history save
16. Cushion Display & Alarm		16. I/O circuit display
17. Charging time count & alarm		17. Shot data save (Internal 1,000 / External device)
18. Screw & Barrel (Anti Wear)		

Option

01. Heater Disconnection check device	01. Rotating Core Circuit	01. Lubricating oil Recycling device
02. Hopper Slide (L/M)	02. Safety Foot-board (Above 650ton)	02. Product drop check device
03. Long-holding pressure type upgrade	03. Core on Fly	03. Product quality sorting device (Below 280ton)
04. Screw & Barrel (Nitrided barrel)	04. Daylight Extension	04. Hydraulic Auto-Clamp unit
05. Screw & Barrel (Anti Wear & Corrosive)	05. Automatic safety Door open/close	05. Steel tray for resin leakage
06. Valve Gate Circuit & Connector (Interior type)	06. Product Chute	06. Heater Insulation Band
07. Pneumatic Valve Gate Block (Interior type)	07. Hydraulic Core Interlock Connector (EM13, WJ Standard)	07. Robot Interface (EM12, EM67, EM67.1, SPI)
08. Nozzle cylinders equipped with Potentiometers	08. Hydraulic Core Device (Fixed : 170~400ton / Moving / 1or2 stage)	08. CMS (Central Monitoring System)
09. Shut-off Nozzle (Pneumatic, Hydraulic, Spring)	09. Mold ring on Moving-Platen	09. AVR (Automatic Voltage Regulator) on Electric Panel
10. Customized Design Screw (SB, Mixing, Coating)	10. Ejector Interlock Connector (WJ Standard, EM13)	10. UPS (Uninterrentable Power Supply) on Electric Panel
	11. Ejector Forward/Backward External switch	11. Dosing unit Interface (for Masterbatch)
	12. Mold Insulation Platen	12. Gas Injection Interface
	13. Pneumatic Core Puller (1-3 Stages)	13. Steam Injection Interface
		14. External Temperature Display (F/P)
		15. Interior type Hot Runner Controller (EM13, WJ Standard)

Controller IMC 500 / 501

Compatibility

01. Windows7 Embedded
02. OPC-UA(Euromap77)
03. Gigabit Ethernet
04. USB3.0, RS232

Display	18.5" / 24"
Resolution	768 x 1366 / 1080 x 1920
Touch screen	Projected capacitive
CPU	Intel Celeron G3900E 1.7GHz
RAM	SO-DIMM DDR3, 8192MB
Memory	Cfast 32Gbyte MLC
IP Grade	IP65(Front), IP20(Back)
Machine	TH-A5, TE-A5, DL-A5
Language	International language

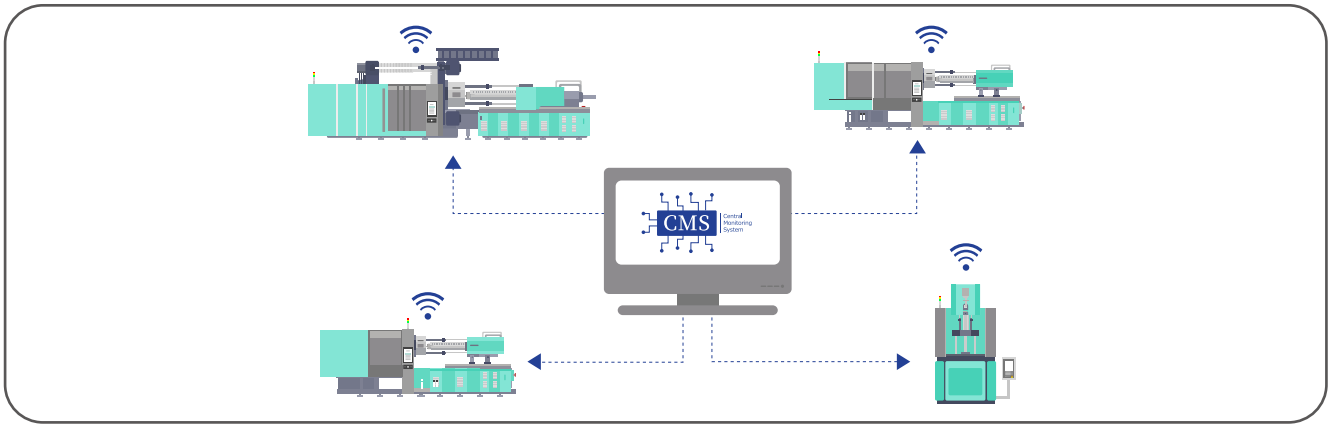
IMC 400

Compatibility

01. VxWorks Real-time processing system
02. OPC-UA(Euromap77)
03. Ethernet 10/100Mbps, CAN Bus Port, USB Port, Serial Interface
04. Energy Monitoring and CMS System

Display	15"
Resolution	768 X 1024
Touch screen	TFT Color Touch Screen
CPU	Intel atom E3815, 1460MHz
RAM	DDR3, 1GB, SDRAM
Memory	CompactFlash 32GB
IP Grade	IP65(Front), IP20(Back)
Machine	VHA, DL-A5, TH-A5, VHS
Language	International Language

CMS Central Monitoring System



CMS (Central Monitoring System)

01. Collection data from injection molding machine and factory facilities.
02. Provision of real-time monitoring and visualization of data.
03. Communication synchronization function between injection molding machine and auxiliaries for factory automation.
04. Provision of synchronization function with higher host systems such as EMS and ERP.
05. Provision of remote transmission of molded data.
06. Provision of user manual for easy installation and maintenance.

Effectiveness

01. Support for productivity improvement through process control and quality control functions.
02. Construction of injection process DB based on universal database.
03. Increase efficiency of injection process management through real-time monitoring.

Software Requirement

01. OS: Windows 2012 server Standard
02. Database: MS SQL Server 2012 Standard

Social Network

Woojinplaimm Virtual Exhibition

https://woojinplaimm.com/exhibitions

VR Factory Tour

https://woojinplaimm.com/vrtour

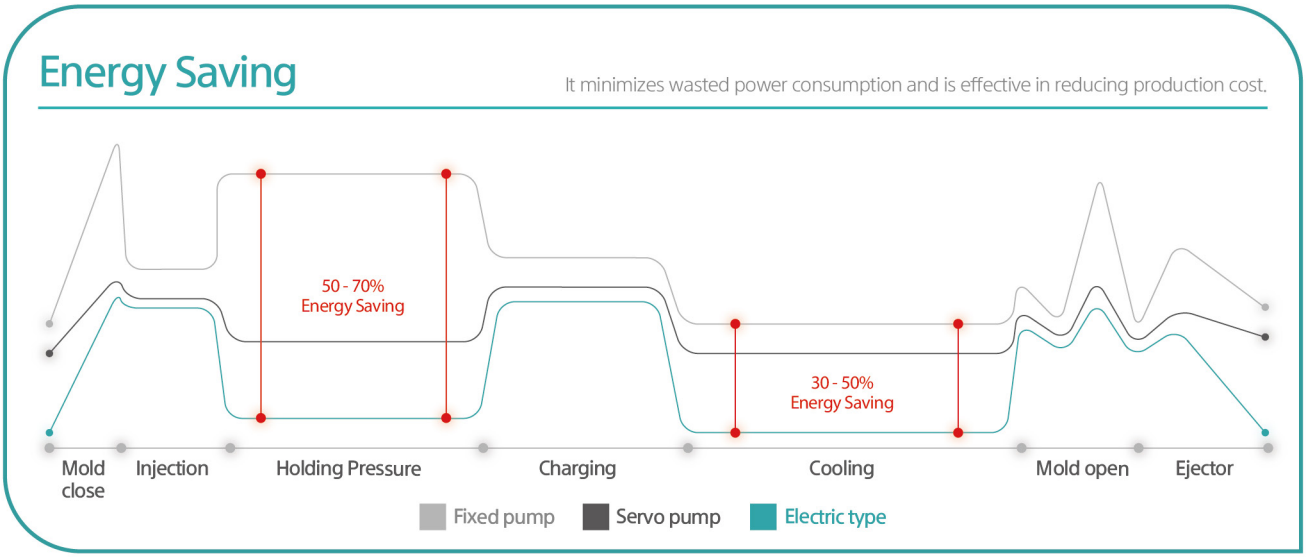
SNS Channel

facebook kakao NAVER twitter LinkedIn YouTube

Energy Saving

Energy-saving solutions

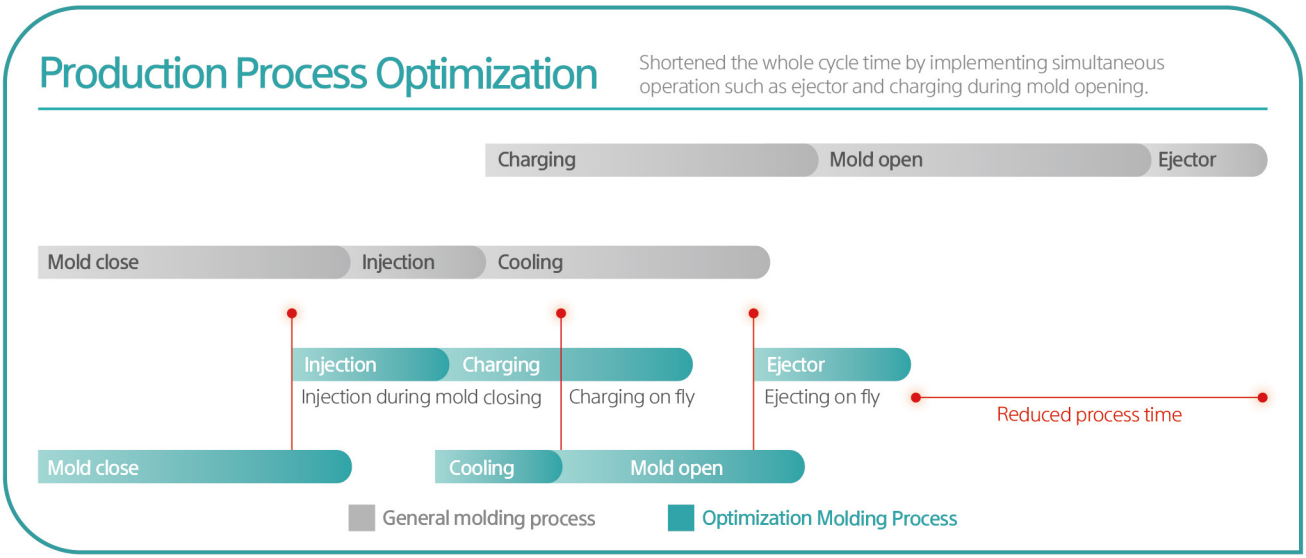
Servo systems precisely control the energy consumption of motors for each process and reduce unnecessary power and resource consumption to ease user's burden.



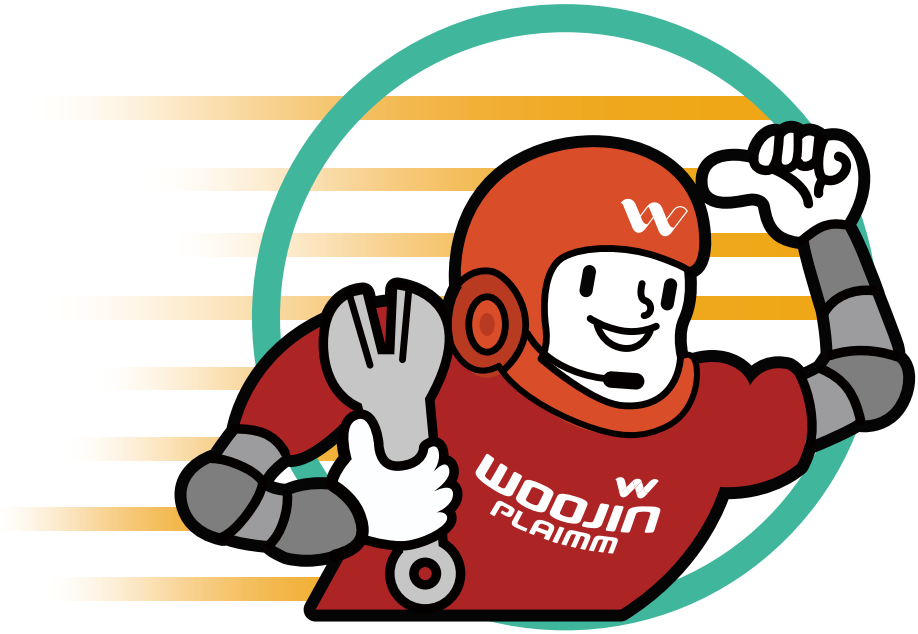
Production process optimization

Efficient production process optimization solution

Reducing overall process time means improving productivity and saving energy, and reducing process time by implementing simultaneous operations such as charging on the fly and ejecting on the fly.



SPEED CLUB



다운로드하기
Google Play

Dispatches A/S team within 24 hours

Our A/S experts will immediately diagnose the issue by the APP and reach your place within 24 hours.

Dedicated B/S(Before service) team

Our B/S experts routinely visit customers to check condition of machine and to provide them with technical advice, so that we can ensure maximized productivity of the machines we supplied.

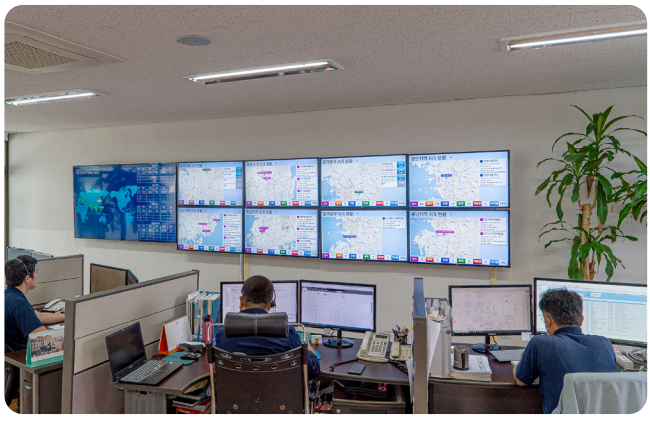
Mobile phone based APP support

Customers can review A/S progress in real time and manage the process.

Warranty extension

We insure quality of main parts.

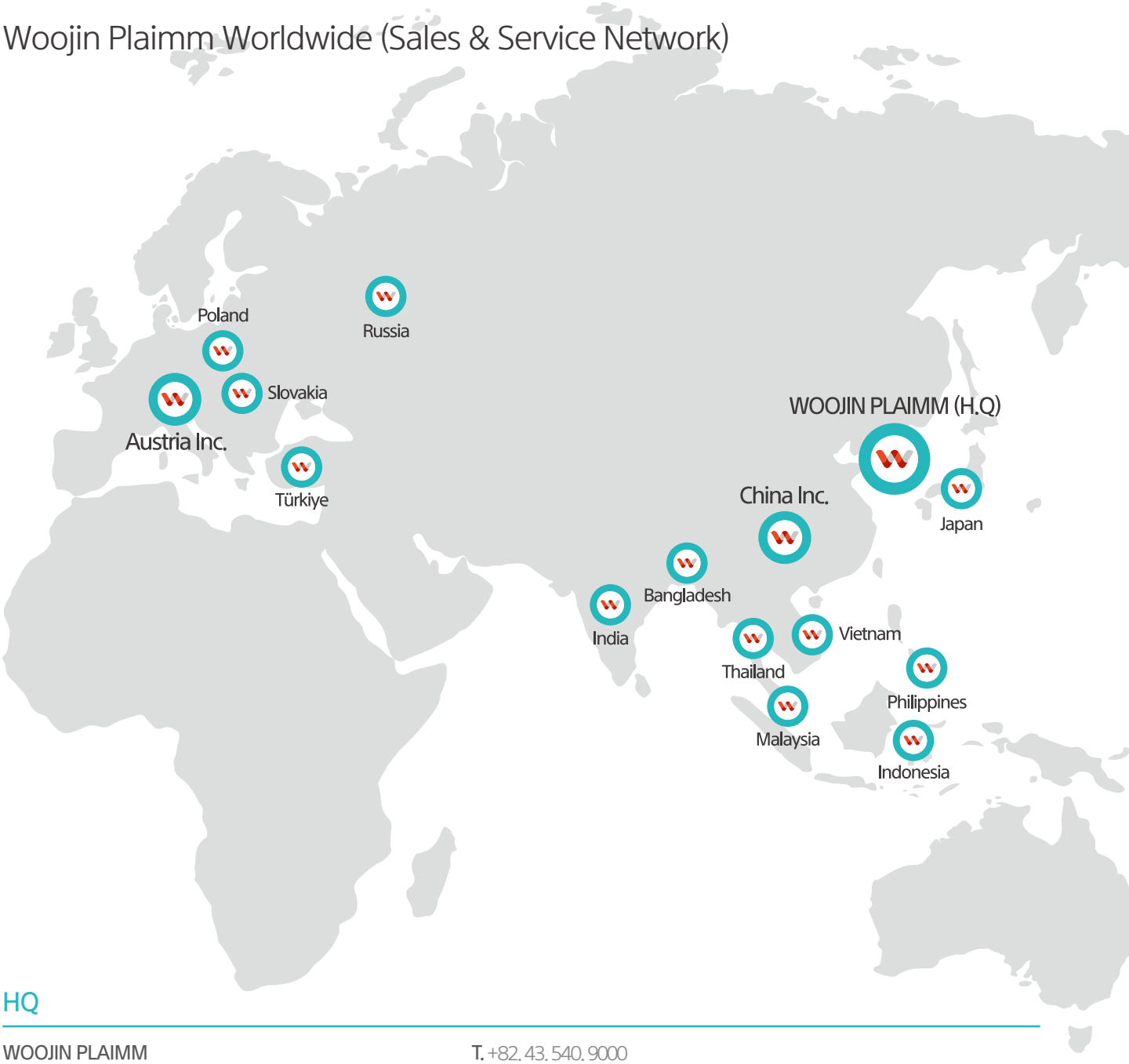
Service Center



We operate an integrated AS control tower for real-time monitoring of SPEED CLUB mobile application and efficient service. Experts from each field are always on standby to assign technically qualified engineers through real-time meetings.

CONTACT

Woojin Plaimm Worldwide (Sales & Service Network)



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WOOJIN PLAIMM

www.woojinplaimm.com

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* The product images and specifications might be changed without any prior notice for optional purpose and/or quality improvement.
* This is an updated content as of June 7, 2022. (The specifications may differ from the actual selling device.)