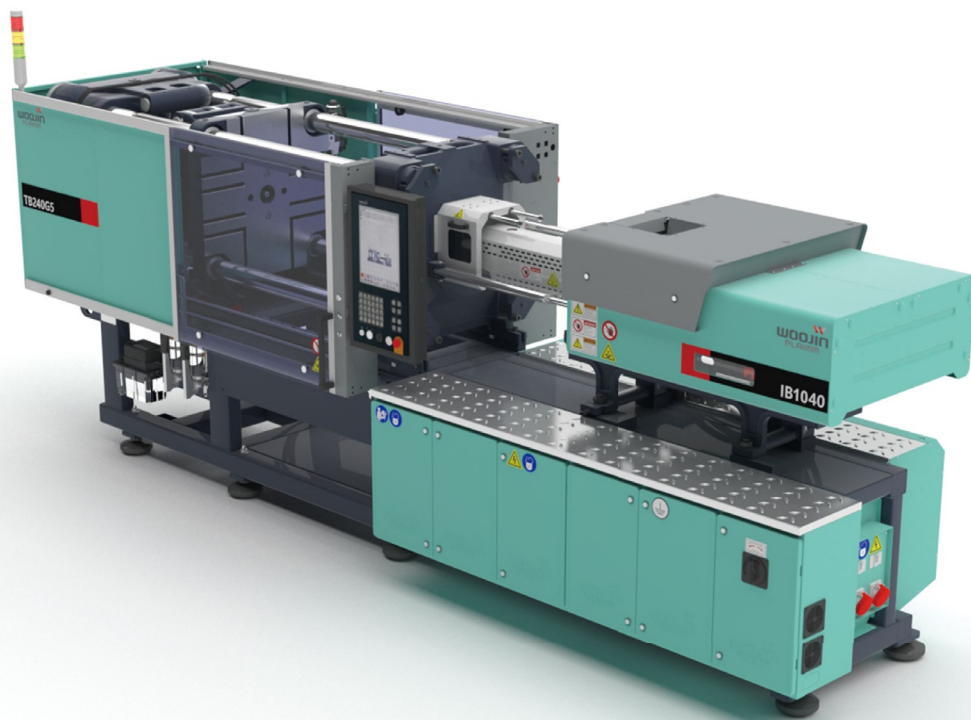




WOOJIN PLAIMM

G5 SERIES CATALOGUE

THE NEW TECHNOLOGY

Reborn G5 series with new design and globalized line ups,

We hereby present this perfectly
harmonized premium series to you.

DL-G5 – Two platen hydraulic energy saving injection molding machine

DL450G5 DL550G5 DL650G5 DL850G5 DL1050G5 DL1300G5 DL1800G5
DL2300G5 DL2700G5 DL3300G5

TB-G5 – Energy saving hydraulic injection molding machine

TB90G5 TB120G5 TB160G5 TB200G5 TB240G5 TB280G5 TB380G5
TB480G5 TB580G5 TB680G5 TB880G5

TE-G5 – Power-saving full electric injection molding machine

TE110G5 TE170G5 TE220G5 TE280G5 TE280WG5 TE350G5 TE400G5



CONTENTS

G5 Series

DL-G5	4p
TB-G5	12p
TE-G5	20p

Option List

DL-G5 / TB-G5 / TE-G5	28p
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Controller / CMS

IMC 700 / CMS	31p
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Energy Saving

Energy Saving	32p
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SPEED CLUB

SPEED CLUB / Service Center	33p
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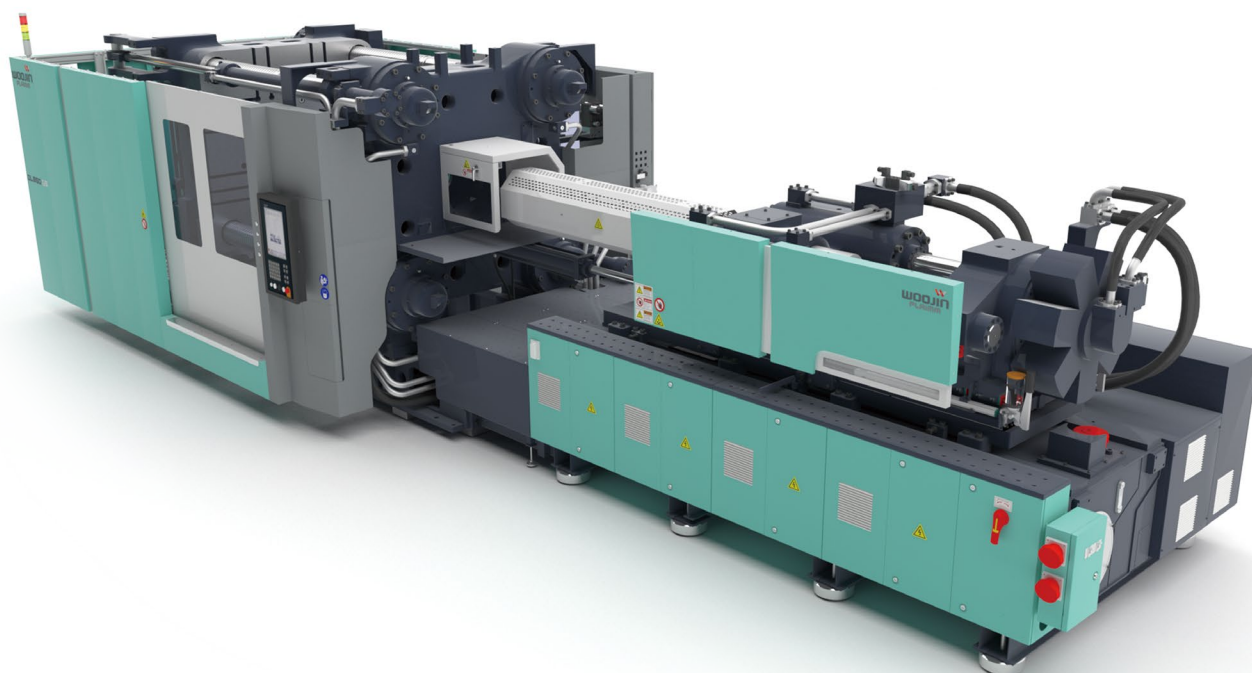
Contact

Woojin Plaimm Worldwide (Sales & Service)	34p
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DL-G5

Performance to be completed based on rigid fundamental

DL-G5 is two platen hydraulic energy saving injection molding machine with two fundamental principals of quality and efficiency.



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.
(especially for 2300ton or bigger)

02. Durability increased

- Application of U shaped bolt and tie-bar increases durability due to the dispersion of stress.

03. Cycle time reduction

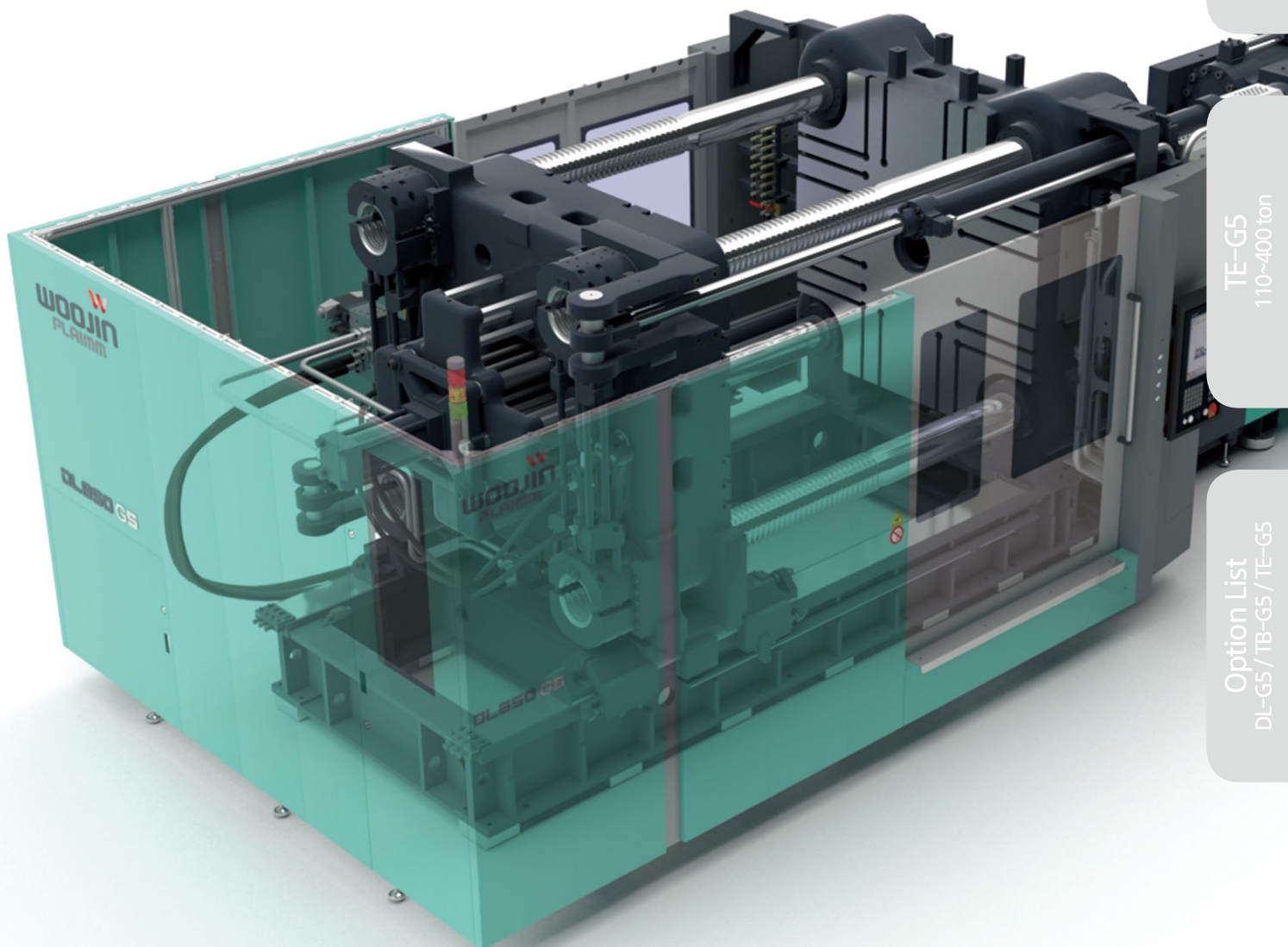
- Synchronized Half-nut locking controlling system to shorten the cycle time.

04. Precise positioning

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

05. Stabilized mold opening and closing motion

- Stable mold opening and closing by symmetrical booster cylinder.



DL-G5
450~3300 ton

TB-G5
90~880 ton

TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5

Injection Unit

01. Back pressure closed loop control

- Keeping constant back pressure set by the operator through closed-loop control

02. Shortened cycle time

- Shorten the cycle time by synchronized motion with additional electric charging servo motor.

03. PID temperature control and Synchronous Heater temperature control

- Constantly control the set temperature value to minimize temperature variation and Synchronous Heater temperature controlling function to prevent nozzle carbonization

04. Precise hydraulic control

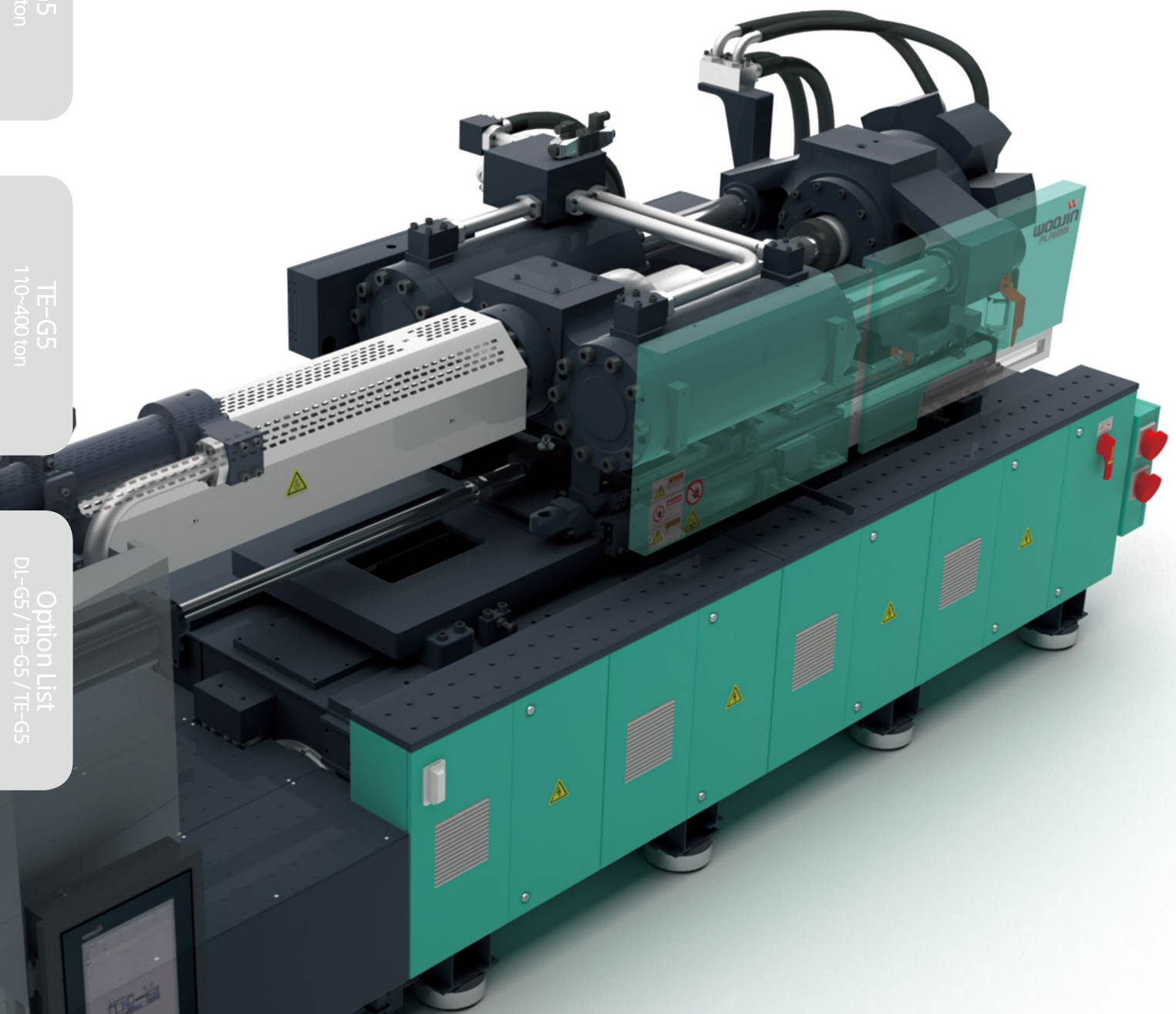
- Precise control by servo-pump system.

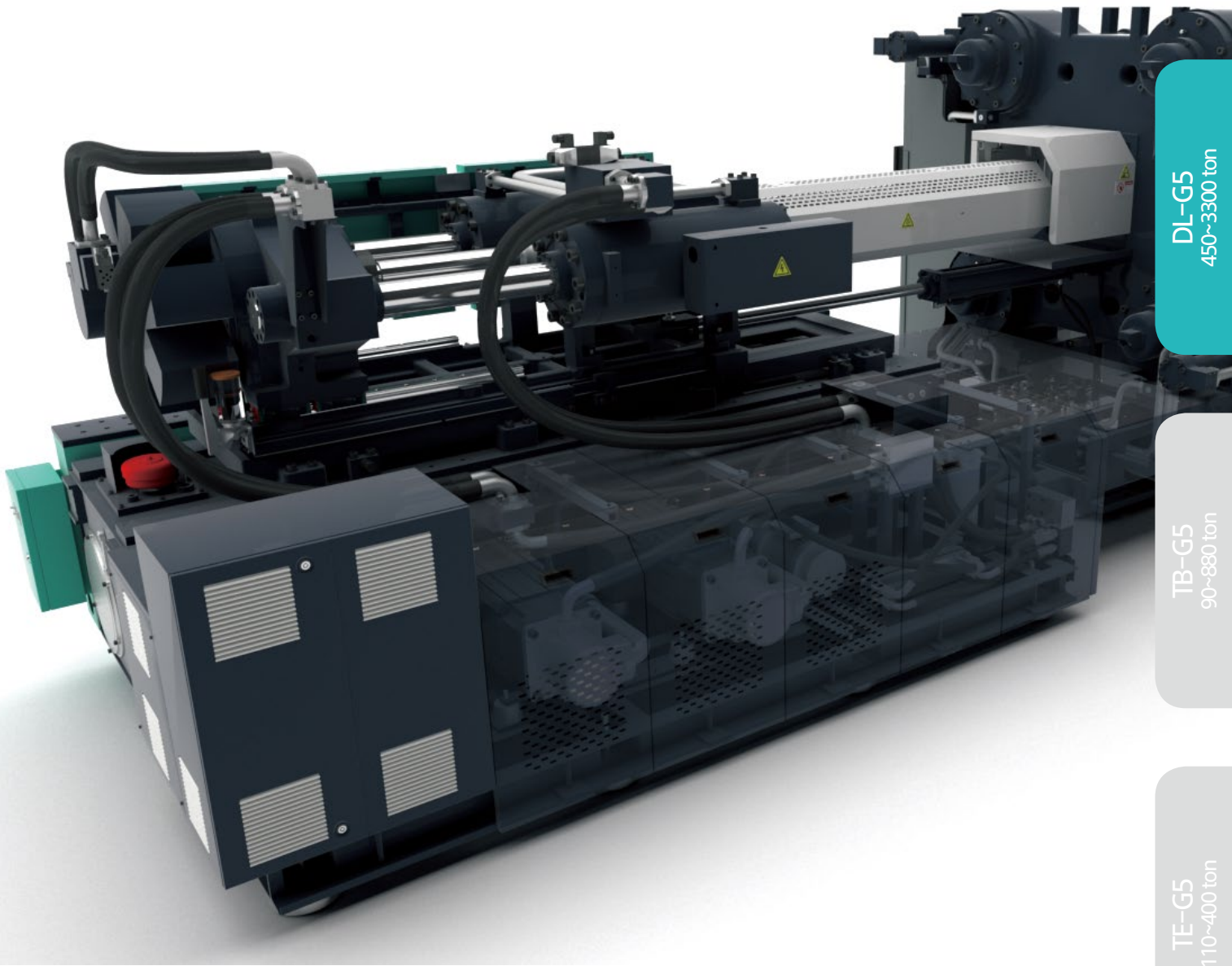
DL-G5
450~3300 ton

TB-G5
90~880 ton

TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5





DL-G5
450~3300 ton

TB-G5
90~880 ton

TE-G5
110~400 ton

Hydraulic Unit

01. Special coating for oil tank

- Improve cleanliness of inside by special coating for inside and outside of hydraulic block.
- Special coated oil tank prevent the corrosion by humidity and oil mist

02. Independent hydraulic oil circulation system

- Apply independent Hydraulic oil circulation method to sustain cleanliness and constant temperature.
(Extension of hydraulic oil lifespan, improve hydraulic component's durability)

03. Prevent hydraulic oil leakage

- Using Seamless pipe, pipe extension, EO2FORM pipe connecting method is strong enough against high pressure and vibration, so it prevents oil leakage and damaging to the pipe.

04. Saving energy and cooling water consumption

- Reduce idle operation by servo pump system so as to save energy and cooling water consumption.

Option List
DL-G5 / TB-G5 / TE-G5

Specification

		DL450G5			DL550G5			DL650G5			DL850G5			DL1050G5		
		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/cm²	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	cm³	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	cm³/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)	450(4413)			550(5394)			650(6374)			850(8336)			1050(10297)		
Mold opening force	ton(kN)	34(331)			41(405)			49(478)			64(625)			79(772)		
Distance between tie-bar(HxV)	mm	860 × 810			915 × 915			1010 × 1010			1110 × 1110			1410 × 1110		
Platen dimension (HxV)	mm	1240 × 1190			1330 × 1330			1460 × 1460			1610 × 1610			1950 × 1650		
Daylight	mm	1450			1600			1800			2300			2400		
Min. mold height	mm	350			400			450			500			600		
Max. mold height	mm	800			950			1100			1200			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		
Max. mold weight (Fixed / Moving / Total)	ton	3.5 / 3.5 / 5			4 / 4 / 6			5.5 / 5.5 / 8			7 / 7 / 10.5			8.5 / 8.5 / 13		
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	78.0			88.0			106.0			134.0			134.0		
Total electric power capacity	kW	96.4	98.6	102.1	111.0	114.7	118.7	135.4	139.6	145.3	173.7	178.7	183.4	173.7	178.7	183.4
Hydraulic oil tank capacity	L	800			1050			1350			1350			1350		
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	7.5 × 2.4 × 2.1			7.7 × 2.8 × 2.2			8.2 × 2.9 × 2.3			9.6 × 3.2 × 2.5			10 × 3.5 × 2.5		
Cooling water consumption	L/min	130			130			130			180			180		

01. Theoretical injection volume: cross section of screw*screw stroke.
02. Minimum mold height should be more than 60% 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.

		DL1300G5		DL1800G5		DL2300G5		DL2700G5		DL3300G5	
		IH11900		IH15300		IH15300		IH21500		IH31700	
Injection Unit											
Screw & Barrel type		A	B	A	B	A	B	A	B	A	B
Screw diameter	mm	115	125	125	140	125	140	140	160	160	180
Injection pressure	kg/cm²	1809	1531	1814	1446	1814	1446	1816	1391	1823	1440
	Mpa	177	150	178	142	178	142	178	136	179	141
Theoretical injection volume	cm³	6544	7731	8430	10580	8430	10580	11850	15480	17690	22390
Shot weight(PS)	g	6030	7124	7768	9749	7768	9749	10920	14265	16301	20632
Injection rate	cm³/s	1249	1475	1296	1626	1296	1626	1547	2020	1719	2176
Screw stroke	mm	630	630	690	690	690	690	770	770	880	880
Injection speed	mm/s	120	120	106	106	106	106	100	100	85	85
Plasticizing capacity	kg/h	607	763	697	939	697	939	850	1218	1026	1413
Screw rotation speed	rpm	115	115	105	105	105	105	95	95	80	80
Clamping Unit											
Clamping force	ton(kN)	1300(12749)		1800(17652)		2300(22555)		2700(26478)		3300(32362)	
Mold opening force	ton(kN)	98(956)		135(1324)		173(1692)		203(1986)		248(2427)	
Distance between tie-bar(HxV)	mm	1410 × 1410		1810 × 1610		2020 × 1610		2180 × 1760		2260 × 1810	
Platen dimension (HxV)	mm	1950 × 1950		2450 × 2180		2600 × 2250		3030 × 2610		3110 × 2660	
Daylight	mm	2500		3200		3600		3900		4000	
Min. mold height	mm	700		700		800		900		1100	
Max. mold height	mm	1200		1600		1700		2000		2000	
Ejector force	ton(kN)	34.4(337.3)		44.5(436.4)		44.5(436.4)		67.8(664.9)		67.8(664.9)	
Ejector stroke	mm	300		300		300		350		350	
Max. mold weight (Fixed / Moving / Total)	ton	12 / 12 / 17		16 / 16 / 24		41 / 41 / 62		50 / 50 / 75		56 / 56 / 85	
General											
Heater capacity	kW	54.7	58.1	61.6	70.8	61.6	70.8	78.4	91.1	106.3	123.4
Motor capacity	kW	173.0		173.0		178.0		229.8		229.8	
Total electric power capacity	kW	227.7	231.1	234.6	243.8	239.6	248.8	308.2	320.9	336.1	353.2
Hydraulic oil tank capacity	L	1700		1700		1700		2000		3000	
Machine weight (Clamping+Injection)	ton	67 (50+17)		89 (70+19)		115 (96+19)		143 (121+22)		180 (149+31)	
Machine dimension(LxWxH)	m	10.8 x 3.6 × 2.9		12.2 × 4.1 × 3.4		13 × 4.5 × 3.1		14.7 × 4.7 × 3.8		16.5 × 5 × 3.7	
Cooling water consumption	L/min	180		180		180		240		240	

DL-G5
450~3300 ton

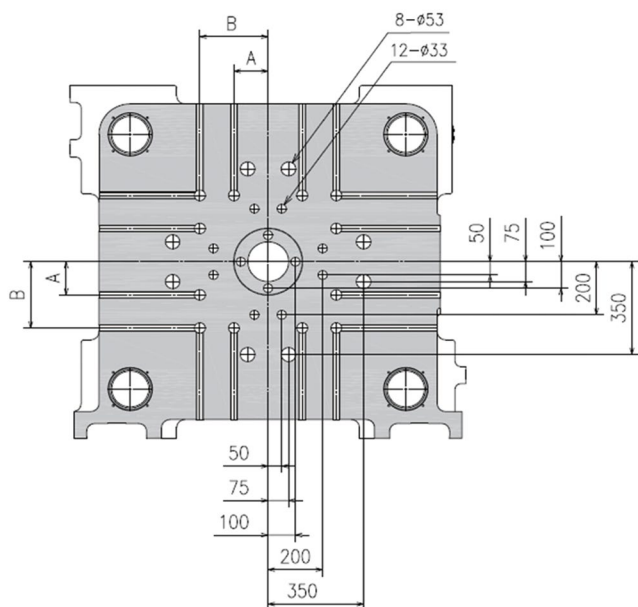
TB-G5
90~880 ton

TE-G5
110~400 ton

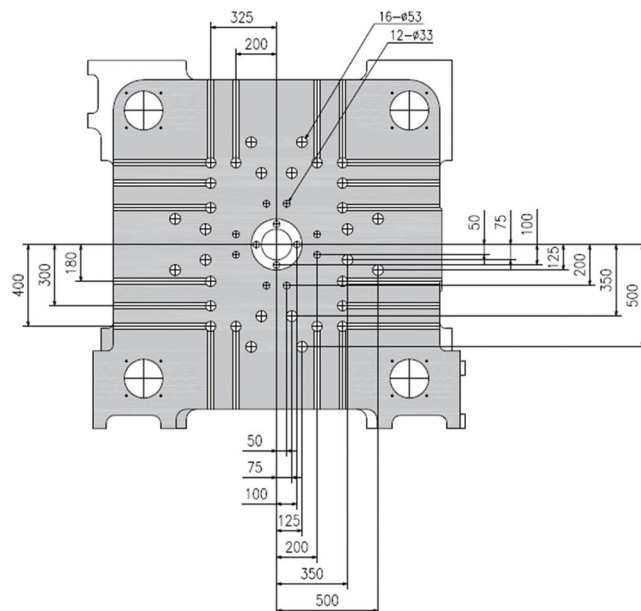
Option List
DL-G5 / TB-G5 / TE-G5

Platen Dimension

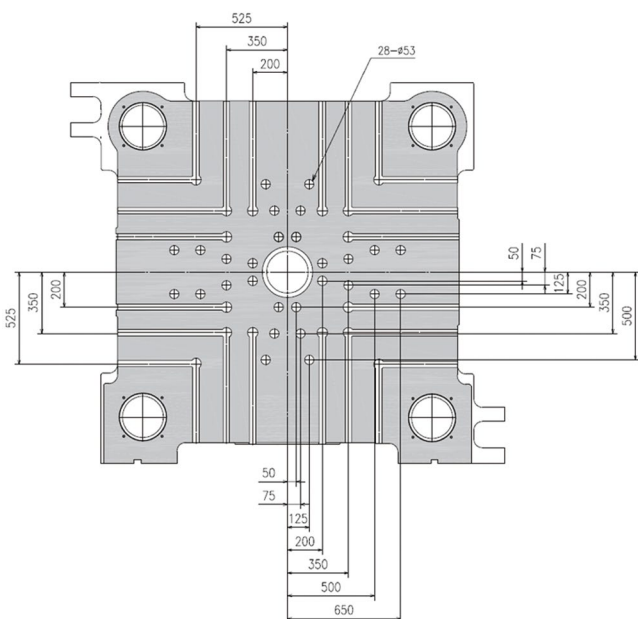
* The images and specifications might be changed without any prior notice.



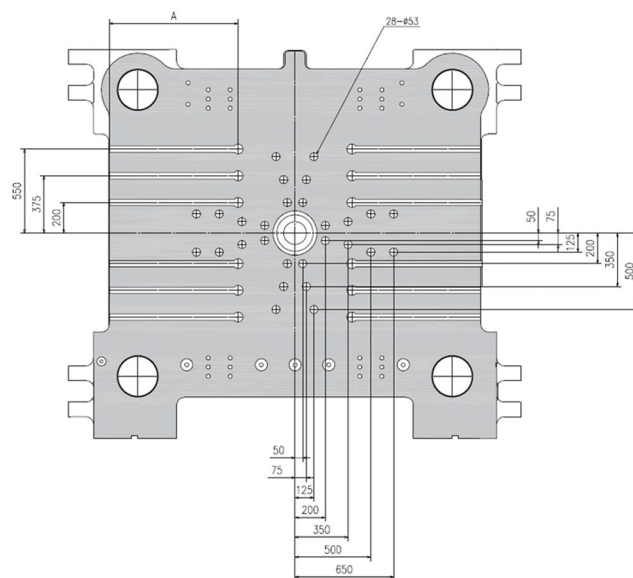
450 ton (A: 125 / B: 250)
550 ton (A: 140 / B: 280)
650 ton (A: 200 / B: 325)



850 / 1050 ton



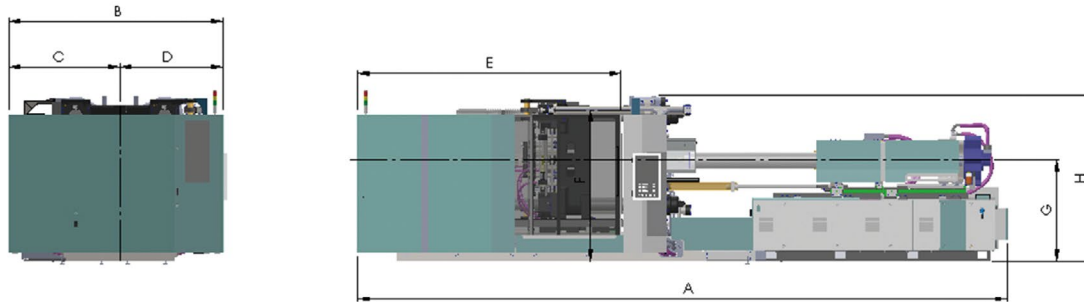
1300 ton



1800 ton (A: 850)
2300 ton (A: 900)
2700 ton (A: 1115)
3300 ton (A: 1165)

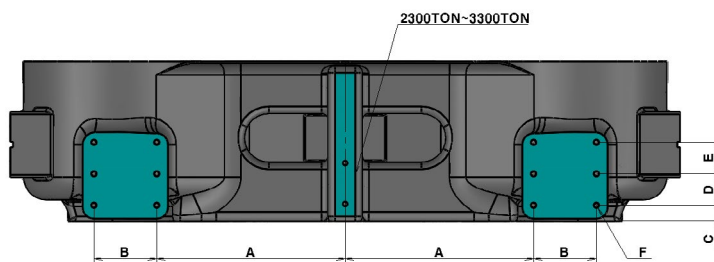
Machine Dimension

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

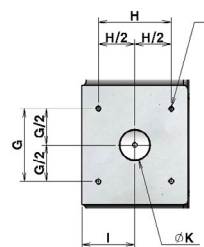


Unit: mm

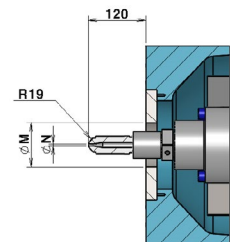
	A	B	C	D	E	F	G	H
DL450G5	7501	2340	1225	1115	2893	1965	1410	2105
DL550G5	7677	2807	1499	1308	3009	2033	1410	2190
DL650G5	8206	2909	1551	1358	3328	2135	1450	2305
DL850G5	9566	3157	1639	1518	3919	2245	1490	2435
DL1050G5	9952	3499	1789	1710	4305	2265	1490	2475
DL1300G5	10726	3545	1800	1745	4513	2661	1725	2901
DL1800G5	12146	4099	2097	2002	5530	3028	1969	3310
DL2300G5	12974	4423	2284	2139	6083	3065	1969	3101
DL2700G5	14680	4623	2394	2229	6767	3344	2116	3771
DL3300G5	16437	4973	2599	2374	6917	3608	2324	3664



▲ 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
DL450G5	210	-	105	185	-	4-M20	165	165	120	4-M12	68	100	4
DL550G5	195	-	105	245	-	4-M20	165	165	130	4-M12	78	100	5
DL650G5	235	-	110	265	-	4-M24	165	165	140	4-M12	88	100	5
DL850G5	235	-	115	330	-	4-M24	165	165	170	4-M12	103	100	6
DL1050G5	335	-	125	375	-	4-M30	165	165	170	4-M12	103	100	6
DL1300G5	560	280	70	140	140	12-M24	280	200	190	4-M16	113	120	6
DL1800G5	840	280	70	140	140	12-M24	280	200	200	4-M16	123	120	7
DL2300G5	500	-	140	575	-	6-M24	280	200	200	4-M16	123	120	7
DL2700G5	625	-	155	600	-	6-M36	280	200	220	4-M16	138	120	7
DL3300G5	625	-	150	630	-	6-M36	280	200	240	4-M16	158	120	8

DL-G5
450~3300 ton

TB-G5
90~880 ton

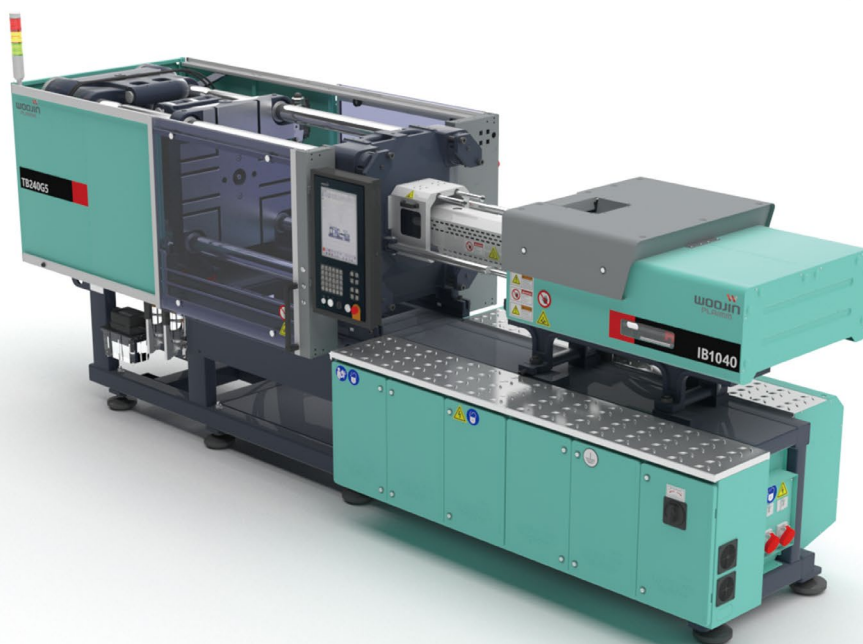
TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5

TB-G5

Standard of Global hydraulic injection molding machine

TB-G5 series is energy saving hydraulic injection molding machine with Korean technology based on servo drive and controller with excellent performance as well as energy efficiency.

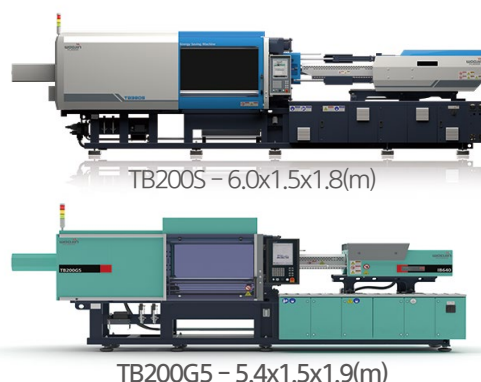


New Design



01. Torque Hinge

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



TB200S - 6.0x1.5x1.8(m)

TB200G5 - 5.4x1.5x1.9(m)

02. Downsized model

- Compared with TB-S, whole length is reduced (Convenient for secure the space)

Clamping Unit

01. Integral center press clamping structure

- Apply integral center press clamping structure which is designed to transfer the clamping force uniformly to the platen.
- By transferring pressure into the mold steadily, prevent damaging platen and extend the mold life.
- Maintaining the inner surface pressure equally to prevent the flash.

02. Apply L/M guide on moving platen

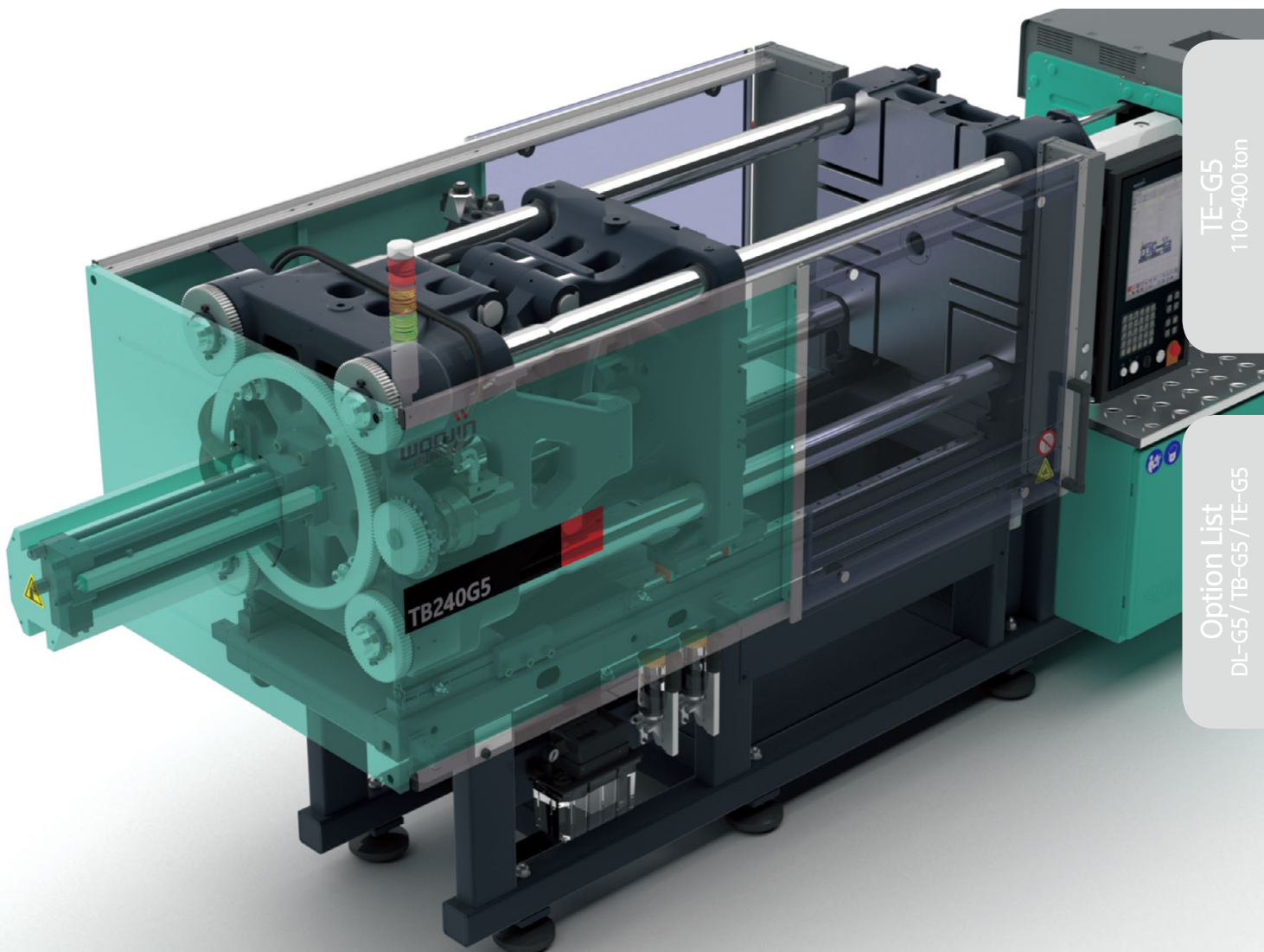
- Improve parallelism between fixed platen and moving platen by processing the surface of L/M guide.
- Using less grease than roller type so as to sustain cleanliness.
- Apply heavy weight L/M guide to improve the precision during clamping unit operation.
- Enhanced durability to extend the component's lifespan and energy saving by friction reduction.

03. X shape platen design

- Optimized X shape platen design ensures rigidity of platen and reduces inertia to manage machine load and increase energy saving effect.

04. Mold adjustment brake motor

- Keep user-set clamping forces and position values constant despite repetitive clamping movement.
- Prevents clamping location moving from mold opening and closing movement.



DL-G5
450~3300 ton

TB-G5
90~880 ton

TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5

Injection Unit

01. Dual pull nozzle touch cylinder

- Improving molding precision by stabilized nozzle touch.

02. Injection back pressure controlled by closed-loop system

- Minimize the difference between the user's setting value and actual figures.
(Improving back pressure controlling capability)

03. Dual cylinder for injection unit

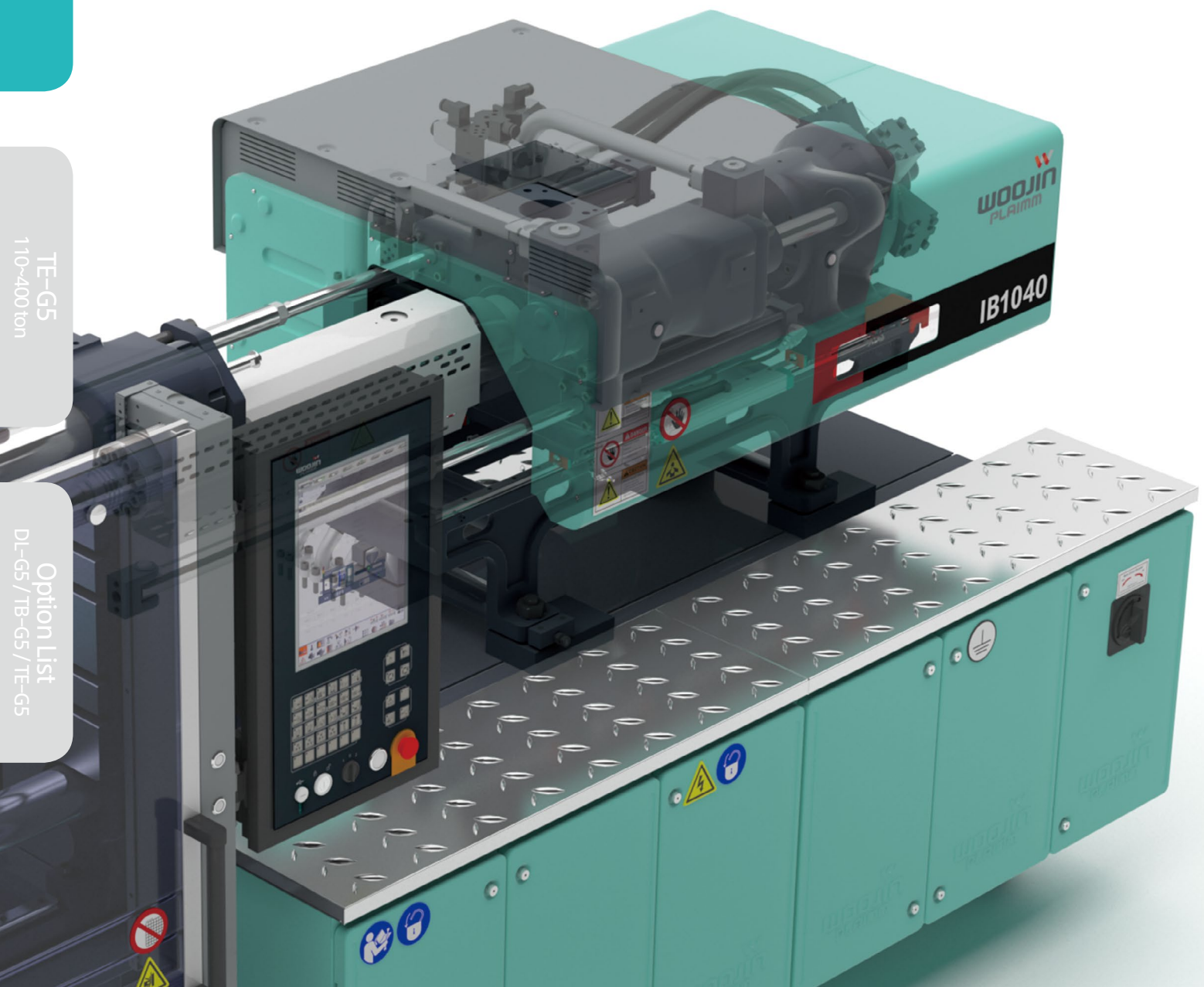
- Symmetry injection cylinders on left and right for improved stability and responsiveness as well as enhanced balance.
- Minimize the mechanical shock and defect in molding process during the injection motion.

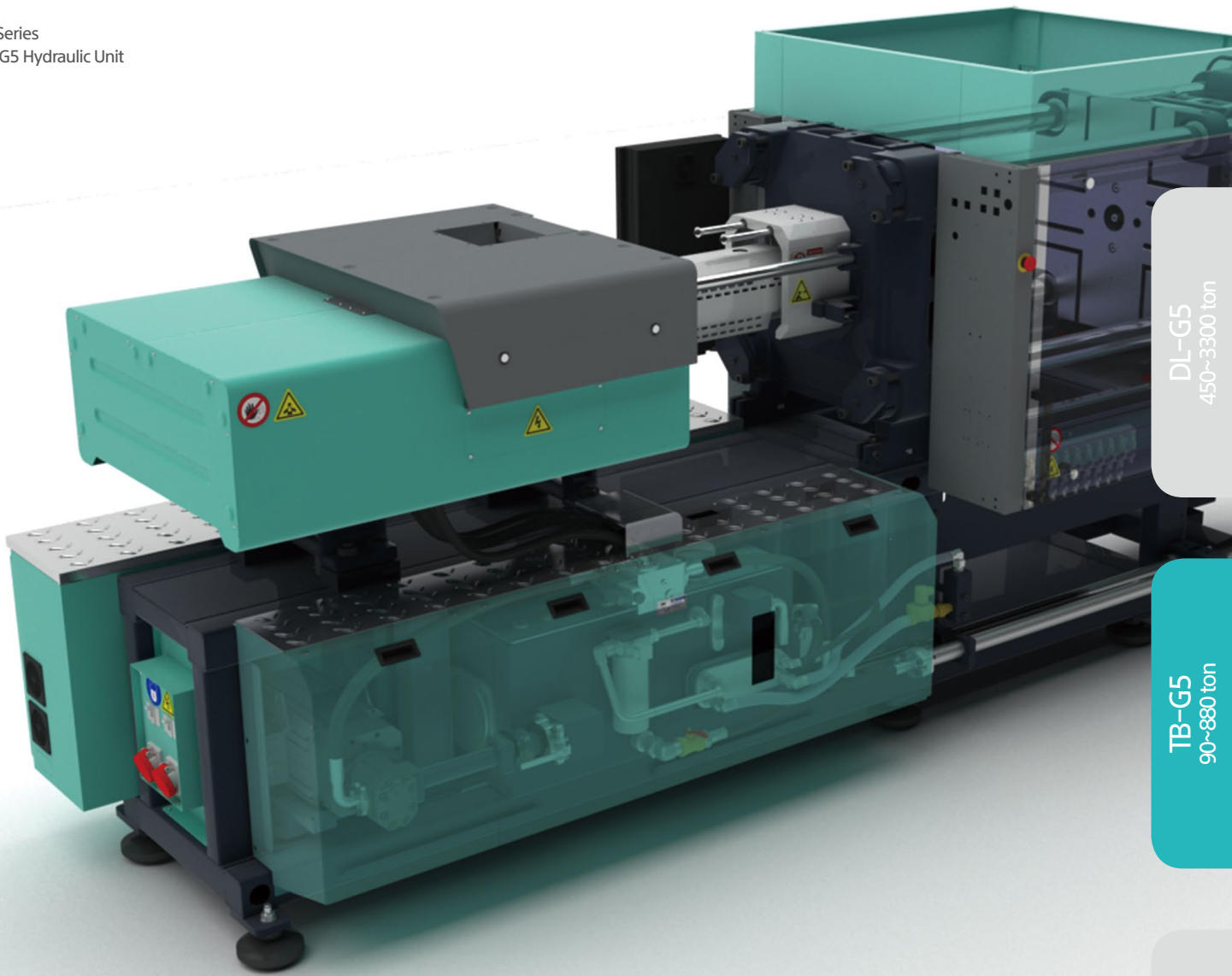
DL-G5
450~3300 ton

TB-G5
90~880 ton

TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5





DL-G5
450~3300 ton

TB-G5
90~880 ton

TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5

Hydraulic Unit

01. Oil tank circulation type

- Independent circulation system for oil cooling and filtering.
- Enhancing the hydraulic component's durability, oil leakage prevention and oil's lifespan extension.

02. Servo pump system

- Reduce unnecessary energy consumption by controlling servo motor rotation.
- Improved injection molding precision by accurate speed & pressure control through servo motor system.
- Reduction of cooling water consumption for hydraulic oil.

03. Applied high pressure hydraulic system

- High pressure hydraulic system has been applied to 175 bar from 140 bar.
- Reduced oil tank size due to less consumption of oil based on high pressure system.

04. Applied seamless pipe

- Coated seamless pipe and fitting applied.

05. Using ELIKA PIM pump with Helical gear type of MARZOCCHI brand

- Prompt response time and high accuracy with optimized efficiency plus low noise (Up to 280ton machine)

Specification

		TB90G5			TB120G5			TB160G5			TB200G5			TB240G5		
		IB260			IB280			IB580			IB640			IB1040		
Injection Unit																
Screw & Barrel Type		O	A	B	O	A	B	O	A	B	O	A	B	O	A	B
Screw diameter	mm	25	28	30	28	30	35	35	40	45	40	45	50	45	50	55
Injection pressure	kg/cm²	2974	2952	2571	2952	2571	1889	3051	2336	1846	2336	1846	1495	2672	2164	1789
	Mpa	292	289	252	289	252	185	299	229	181	229	181	147	262	212	175
Theoretical injection volume	cm³	69	86	99	92	106	144	192	251	318	276	350	432	398	491	594
Shot weight (PS)	g	63	79	91	85	98	133	177	232	293	255	322	398	366	452	547
Injection rate	cm³/s	50	63	72	63	72	98	104	136	172	136	172	213	145	180	217
Screw stroke	mm	140	140	140	150	150	150	200	200	200	220	220	220	250	250	250
Injection speed	mm/s	102	102	102	102	102	102	108	108	108	108	108	108	91	91	91
Plasticizing capacity	kg/h	22	29	34	28	32	57	53	75	98	75	98	137	85	119	143
Screw rotation	rpm	280	280	280	270	270	270	255	255	255	255	255	255	220	220	220
Clamping Unit																
Clamping force	ton(kN)	90(882)			120(1176)			160(1568)			200(1960)			240(2352)		
Distance between tie bar (H×V)	mm	360*360			410*410			460*460			510*510			560*560		
Platen size (H×V)	mm	570*570			630*630			690*690			760*760			840*840		
Opening stroke	mm	330			370			405			460			520		
Daylight	mm	680			770			855			960			1120		
Min. mold height	mm	140			150			180			180			200		
Max, mold height	mm	350			400			450			500			600		
Ejector force	ton(kN)	3.4(33)			3.4(33)			4.2(41)			4.2(41)			5.8(57)		
Ejector stroke	mm	80			100			120			140			150		
General																
Total heater capacity	kW	6.3	6.9	6.9	6.9			10			12.1			14.4		
Motor capacity	kW	12.1			12.1			20.4			20.4			28.3		
Total motor capacity	kW	18.4	19	19	19			30.4			32.5			42.7		
Hydraulic oil tank capacity	l	150			150			240			240			300		
Machine wieght	ton	2.4			4.2			5.2			5.8			7.9		
Machine dimension (L×W×H)	m	4.7*1.3*1.9			4.9*1.4*1.9			5.2*1.4*1.9			5.4*1.5*1.9			6.3*1.6*1.9		
Cooling water requirement	l/min	30			30			30			30			30		

01. Theoretical injection volume: cross section of screw*screw stroke.
 02. Minimum mold height should be more than 60% 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.

		TB280G5			TB380G5			TB480G5			TB580G5			TB680G5			TB880G5		
		IB1320			IB2140			IB2610			IB4200			IB5900			IB8900		
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	65	70	75	65	70	80	70	80	90	80	90	105	95	105	115
Injection pressure	kg/cm²	2360	1951	1639	1938	1671	1456	1938	1671	1279	2465	1887	1491	2386	1885	1385	2145	1756	1464
	Mpa	231	191	161	190	164	143	190	164	125	242	185	146	234	185	136	210	172	144
Theoretical injection volume	cm³	550	665	792	1062	1232	1414	1294	1501	1960	1693	2212	2799	2488	3149	4286	4147	5066	6076
Shot weight (PS)	g	507	613	730	979	1135	1303	1193	1383	1806	1560	2038	2579	2293	2902	3950	3821	4668	5599
Injection rate	cm³/s	200	243	289	309	359	412	309	359	469	401	524	663	502	636	866	721	880	1056
Screw stroke	mm	280	280	280	320	320	320	390	390	390	440	440	440	495	495	495	585	585	585
Injection speed	mm/s	102	102	102	93	93	93	93	93	93	104	104	104	100	100	100	102	102	102
Plasticizing capacity	kg/h	108	130	160	128	193	232	136	166	235	212	266	319	241	319	433	338	416	478
Screw rotation	rpm	200	200	200	148	148	148	141	141	141	180	160	141	145	141	129	130	124	114
Clamping Unit																			
Clamping force	ton(kN)	280(2744)			380(3724)			480(4704)			580(5684)			680(6664)			880(8624)		
Distance between tie bar (H×V)	mm	610*610			710*710			830*830			980*980			1080*1080			1180*1180		
Platen size (H×V)	mm	920*920			1065*1065			1220*1220			1435*1365			1550*1480			1710*1650		
Opening stroke	mm	570			700			780			900			1000			1200		
Daylight	mm	1220			1450			1580			1850			2100			2400		
Min. mold height	mm	250			300			350			400			450			500		
Max. mold height	mm	650			750			800			950			1100			1200		
Ejector force	ton(kN)	5.8(57)			8.8(86)			13.7(134)			16.6(163)			19.8(194)			30.9(303)		
Ejector stroke	mm	170			200			200			240			260			280		
General																			
Total heater capacity	kW	16.8			26.4			18.4 20.6 24.1			23 26.7 30.7			29.4 33.6 39.3			39.7 44.7 49.4		
Motor capacity	kW	36.7			43			43			71.3			86			79.7		
Total motor capacity	kW	53.5			69.4			61.4 63.6 67.1			94.3 98 102			115.4 119.6 125.3			119.4 124.4 129.1		
Hydraulic oil tank capacity	l	400			500			500			800			950			1200		
Machine wieght	ton	9.6			16			23			32			44			64		
Machine dimension (L×W×H)	m	6.8*1.7*1.9			8.0*1.8*2.0			8.6*2.0*2.2			9.6*2.5*2.3			10.7*2.7*2.4			12.3*2.9*2.7		
Cooling water requirement	l/min	30			60			60			60			60			80		

DL-G5
450~3300 ton

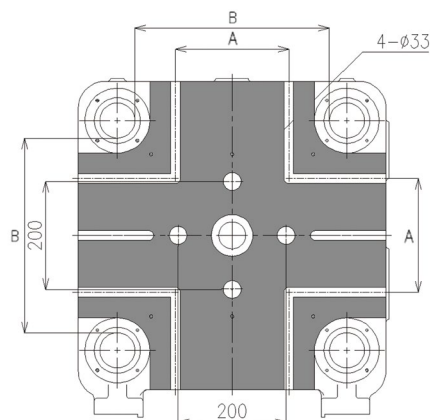
TB-G5
90~880 ton

TE-G5
110~400 ton

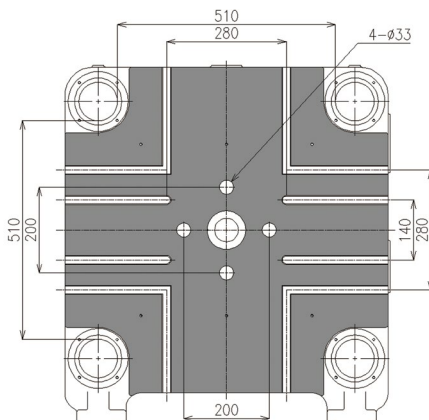
Option List
DL-G5 / TB-G5 / TE-G5

Platen Dimension

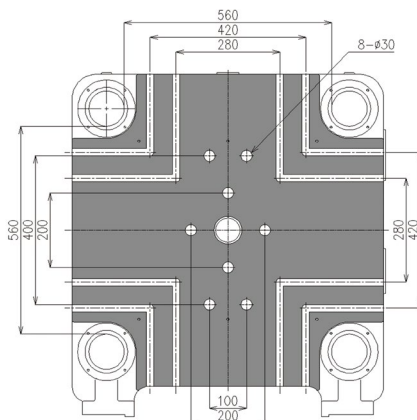
* The images and specifications might be changed without any prior notice.



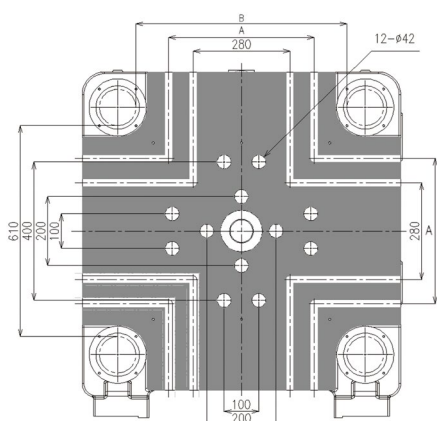
90 ton (A: 210 / B: 360)
120 ton (A: 210 / B: 410)
160 ton (A: 280 / B: 460)



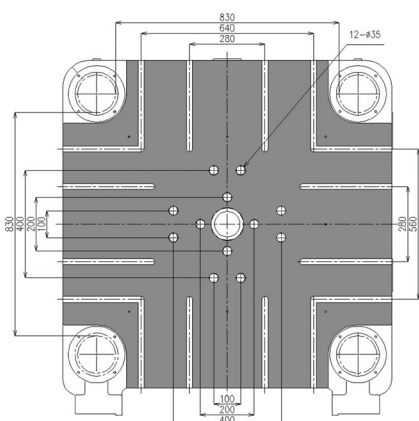
200 ton



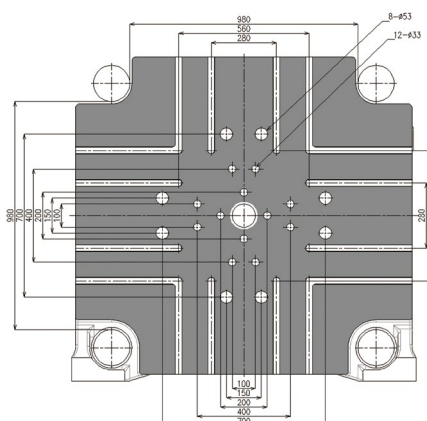
240 ton



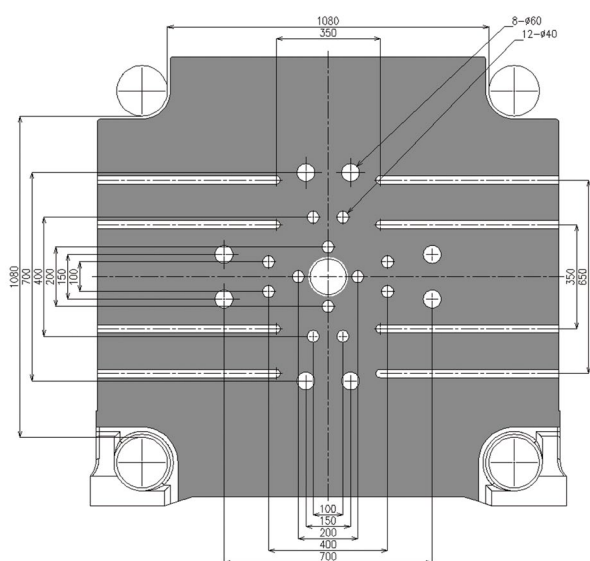
280 ton (A: 420 / B: 610)
380 ton (A: 560 / B: 710)



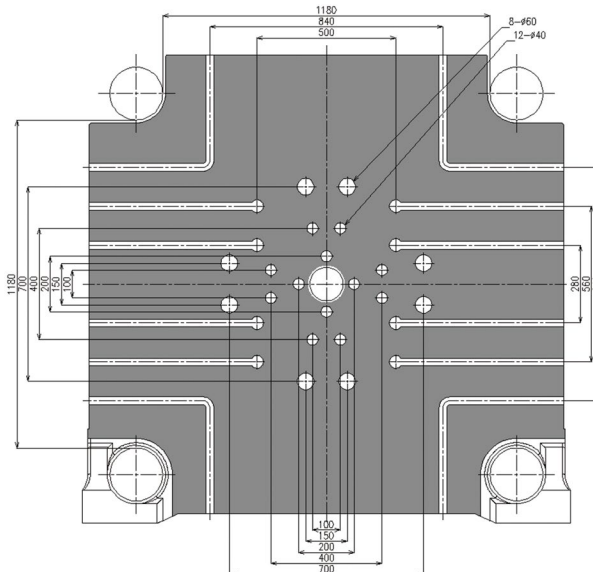
480 ton



580 ton



680 ton



880 ton

DL-G5
450~3300 ton

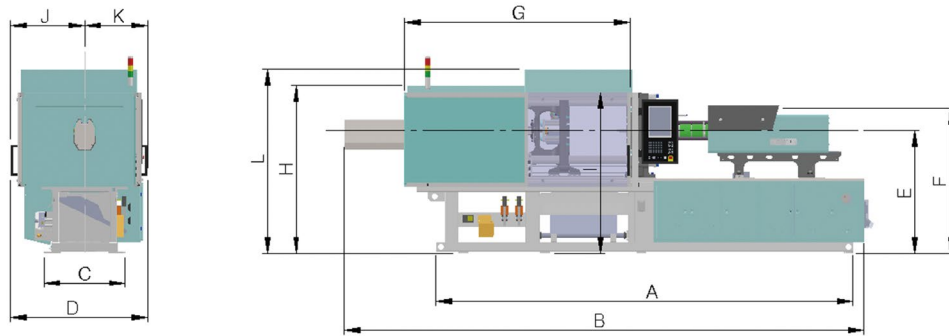
TB-G5
90~880 ton

TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5

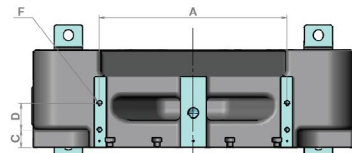
Machine Dimension

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

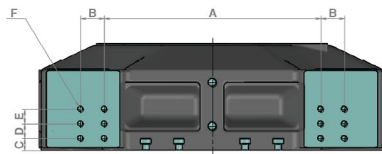


Unit: mm

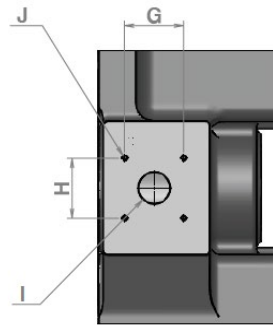
	A	B	C	D	E	F	G	H	I	J	K	L
TB90G5	3730	4627	710	1282	1157	1352	2223	1549	1452	667	615	1836
TB120G5	3960	4873	765	1319	1212	1407	2419	1639	1542	704	615	1836
TB160G5	4275	5170	820	1405	1252	1455	2667	1709	1612	760	645	1856
TB200G5	4355	5364	850	1435	1282	1485	2851	1753	1677	775	660	1921
TB240G5	5025	6221	915	1545	1335	1565	3354	1845	1765	830	715	-
TB280G5	5505	6705	965	1652	1385	1635	3674	1900	1850	902	750	-
TB380G5	6350	7929	1110	1812	1390	1635	4316	2002	1935	982	830	-
TB480G5	6900	8519	1260	1993	1480	1725	4724	2155	2105	1083	910	-
TB580G5	8575	9560	1473	2460	1405	1560	4530	2300	2135	1170	1170	-
TB680G5	9100	10670	1500	2689	1480	1660	4857	2385	2270	1246	1246	-
TB880G5	10420	12287	1680	2870	1443	1670	5950	2688	2325	1325	1325	-



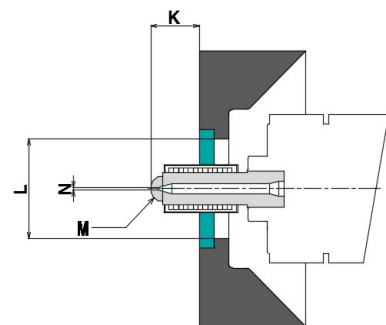
▲ Robot installation position dimension (TB90~480G5)



▲ Robot installation position dimension (TB580~880G5)



▲ 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	ØH	ØI	ØJ	L	ØM	N	ØN
TB90G5	280	-	57	40	-	4-M12 TAP DP24	100	100	85	4-M12 TAP	100	100	R9	2.5
TB120G5	330	-	47	40	-	4-M12 TAP DP24	100	100	85	4-M12 TAP	100	100	R9	2.5
TB160G5	380	-	40	70	-	4-M14 TAP DP28	120	120	95	4-M12 TAP	100	100	R9	2.5
TB200G5	430	-	50	70	-	4-M14 TAP DP28	120	120	95	4-M12 TAP	50	100	R9	3
TB240G5	495	-	70	70	-	4-M14 TAP DP28	120	120	100	4-M12 TAP	50	100	R9	3
TB280G5	610	-	80	70	-	4-M14 TAP DP28	120	120	100	4-M12 TAP	50	100	R9	3
TB380G5	610	-	67	100	-	4-M20 TAP DP40	127	127	90	4-M12 TAP	50	100	R14	3.5
TB480G5	720	-	67	100	-	4-M20 TAP DP40	127	127	68	4-M12 TAP	120	100	R19	4
TB580G5	915	100	50	60	60	12-M24 TAP DP48	165	165	78	4-M12 TAP	120	100	R19	5
TB680G5	1000	240	70	105	105	12-M24 TAP DP48	165	165	88	4-M12 TAP	120	100	R19	5
TB880G5	1120	240	70	105	105	12-M24 TAP DP48	165	165	103	4-M12 TAP	120	100	R19	6

DL-G5
450~3300 ton

TB-G5
90~880 ton

TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5

TE-G5

Standard of Global Electric injection molding machine

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

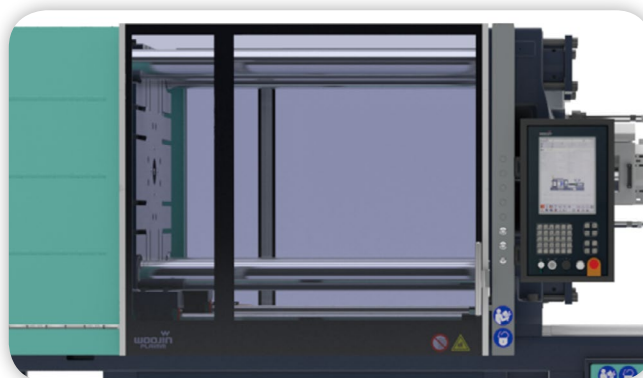


New Design



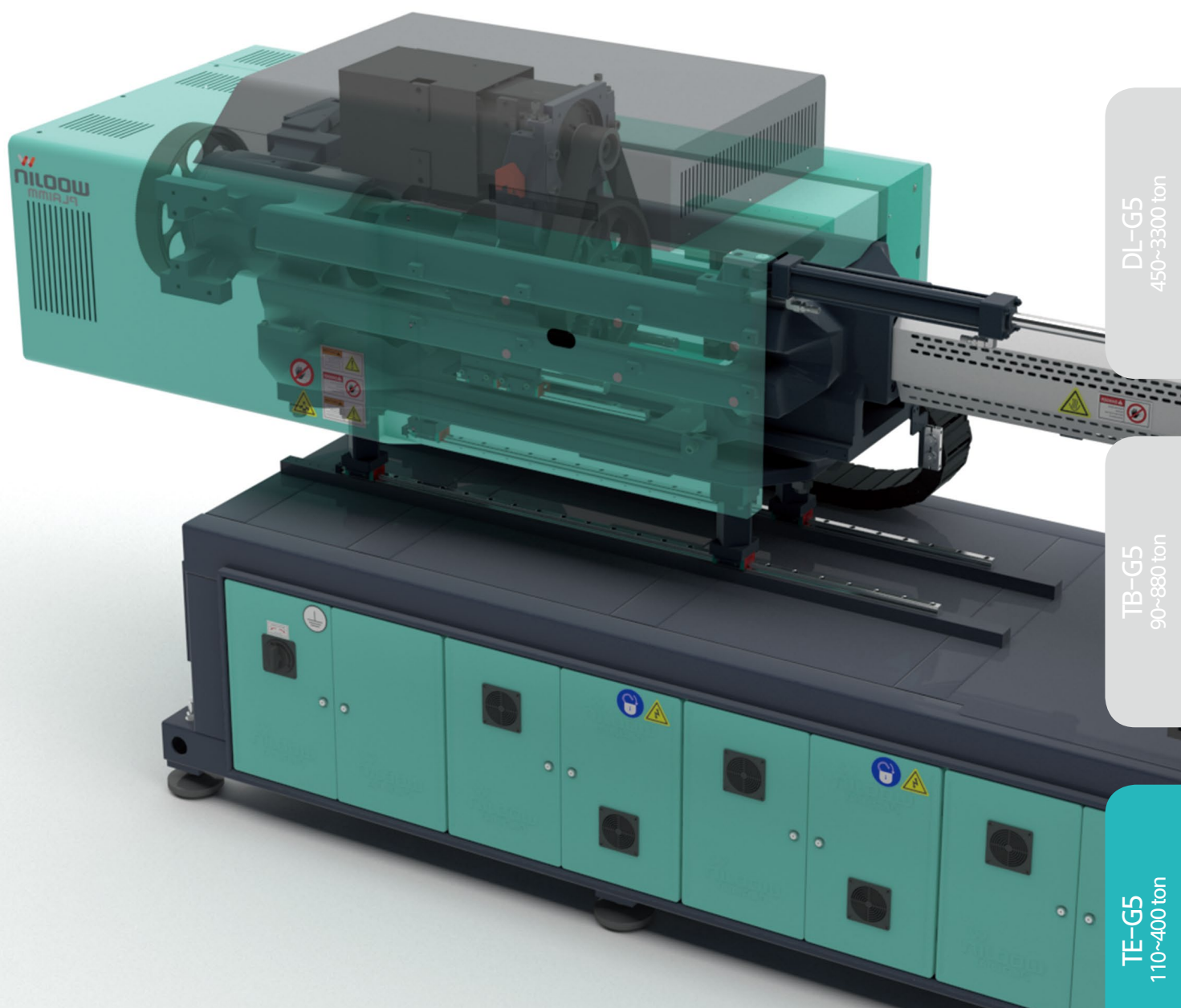
01. Torque Hinge

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



02. Transparent polycarbonate door

- Unbreakable transparent polycarbonate door
- Able to see inside widely
- Easy to detach or install



DL-G5
450~3300 ton

TB-G5
90~880 ton

TE-G5
110~400 ton

Injection Unit

01. High-rigidity in-line injection unit

- Using one casting part to accommodate injection housing and injection ball screw cabin .
- L/M guide for injection bed and charging area

02. Screw Pitch and Length (L/D: 20/1 → 22/1)

- Improved plasticization capability enables fast and uniform resin melting and reduces cushion deviation rates

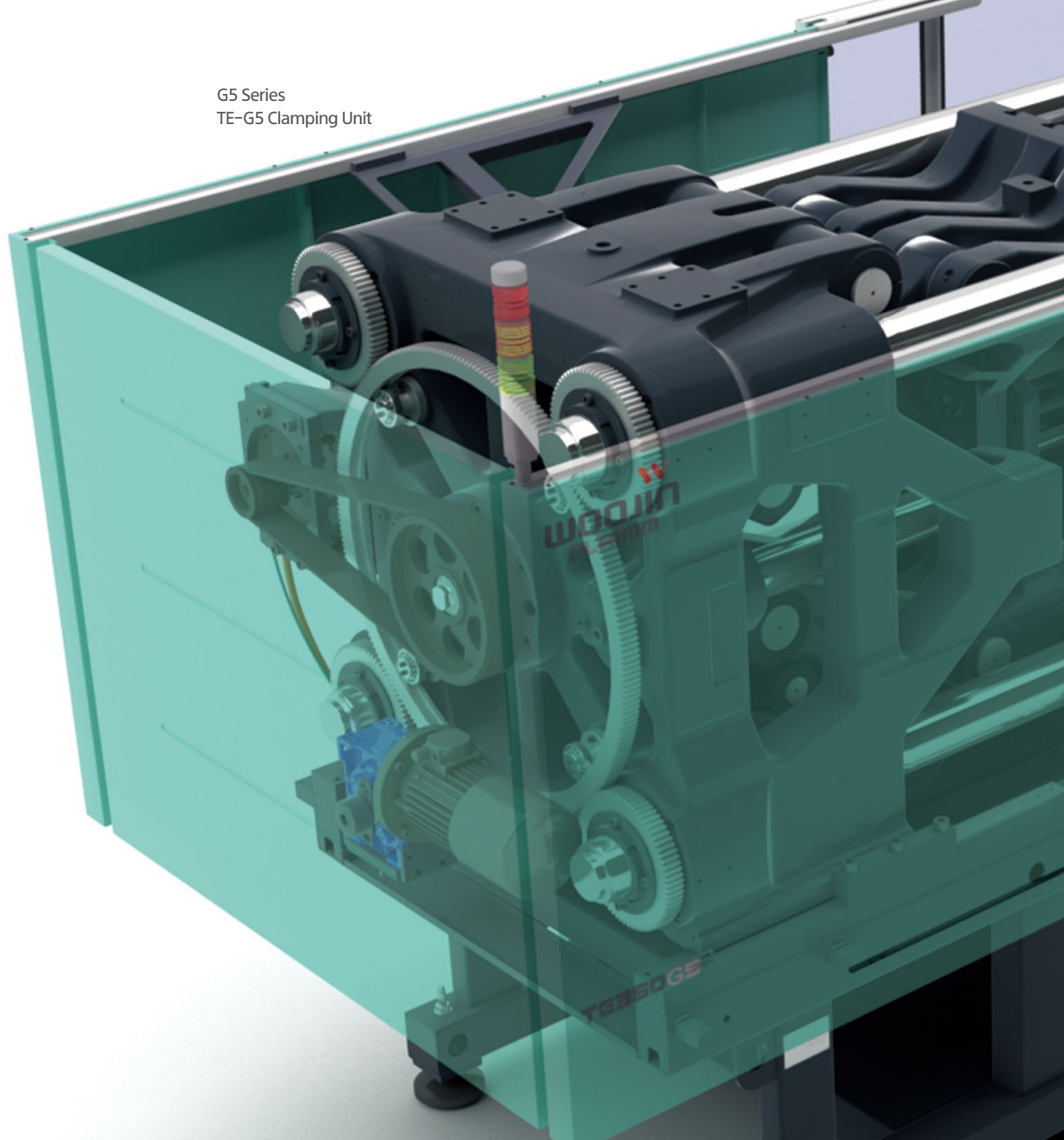
03. Dual pull nozzle touch cylinder

- Maintain fixed platen's perpendicular rate and injection unit's parallel rate even in repeated nozzle touch
- Prevent mold locate ring damage and improve product precision

04. High precision charging Control & Screw Reverse Rotation

- Prevent back flow of resin during injection
- Decrease charging deviation (by using reverse rotation function after charging)

Option List
DL-G5 / TB-G5 / TE-G5



Clamping Unit

01. New Center press type platen structure

- Designed to concentrate more clamping force into the center of platen
- Improve mold precision of products and extend lifespan of the mold due to the mold's non-deformation during mold closing.

02. L/M guide on moving platen

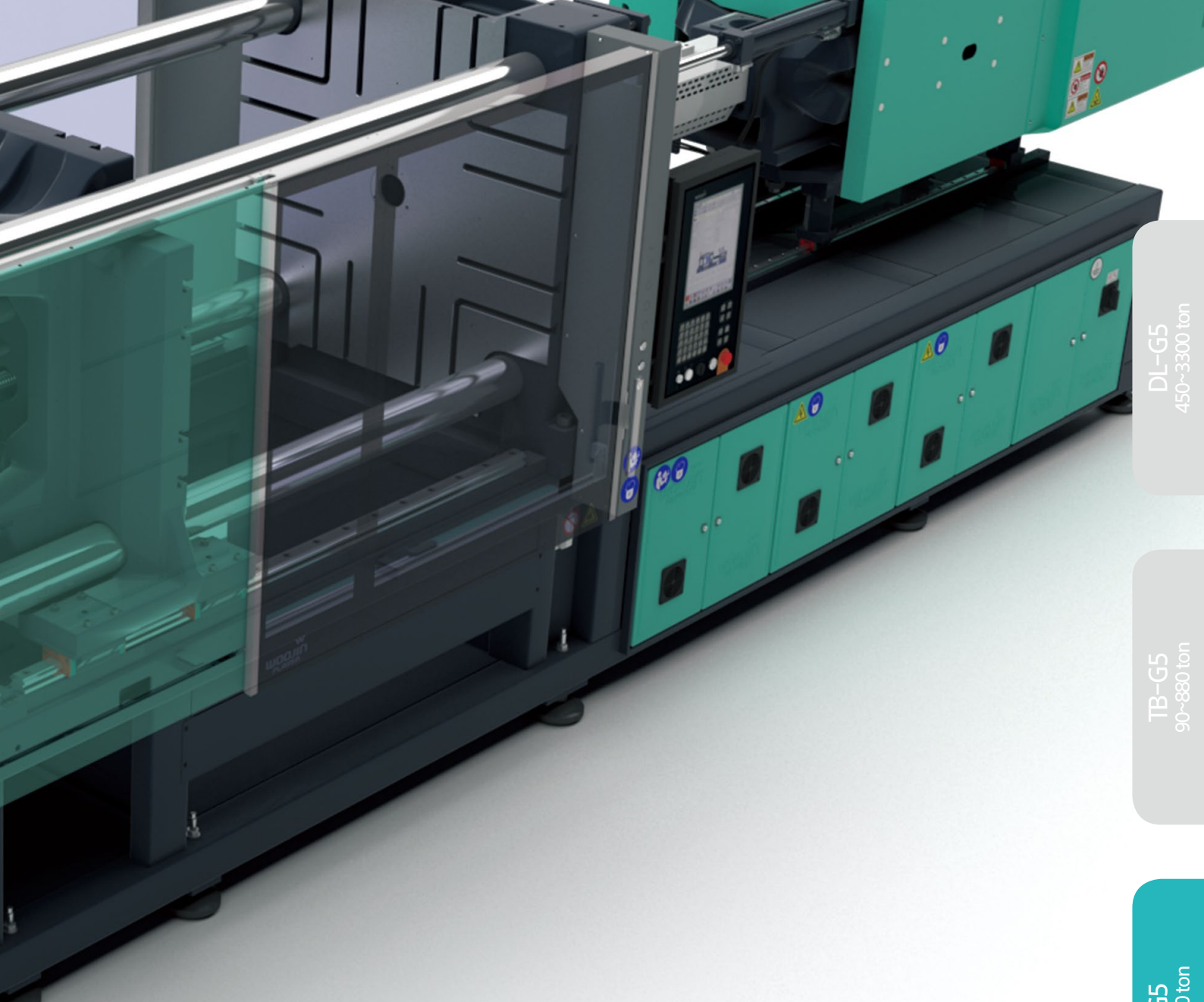
- Less friction resistance compared with tie bar bush method.
- Improving precise position control (0.1mm → 0.01mm)
- Shortening mold opening and closing time due to enhanced acceleration (0.3G → 0.5G)

03. Improving automatic grease supply

- Improving the grease distribution method to quantitative supply method from sequential supply method.
- Consistent supply of small amount of grease to reduce consumption and prevent overfilling

04. Applying Worm gear motor

- Reduce the total length of machine of 280 ton and above by applying a worm gear motor.
- Improves design and increases rear space utilization by removing protruding cover on the rear of the clamping area.



DL-G5
450~3300 ton

TB-G5
90~880 ton

TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5

05. Optimized new toggle structure

- Extending servo motor lifespan by 30% increased clamping force magnification rate and reduced load on the motor.
* **Magnification Rate: Amplify the mold closing force**
- Enhancing acceleration and deceleration control and positioning control precision.
- Higher speed of mold opening and closing capability.

06. Bolt clamped toggle pin type

- Stable operation even under fast mold opening and closing condition because the force to the toggle link is equal to that to the toggle pin.
- Prevent differentiation of rotating force between two articulated areas which improves of toggle during mold opening and closing.

07. Wider tie-bar distance and improved maximum mold height

- Increase 10% longer than previous models.

Specification

		TE110G5			TE170G5			TE220G5		
		IE260			IE370			IE520		
Injection Unit										
Screw & Barrel type		O	A	B	O	A	B	O	A	B
Screw diameter	mm	28	32	36	32	36	40	36	40	45
Injection pressure	kg/cm²	2676	2049	1619	2497	1973	1598	2546	2063	1630
	Mpa	262	201	159	245	193	157	250	202	160
Injection holding pressure	kg/cm²	2408	1844	1457	2247	1776	1438	2291	1857	1467
	Mpa	236	181	143	220	174	141	225	182	144
Theoretical Injection Volume	cm³	99	129	163	145	183	226	204	251	318
Shot weight (PS)	g	90	117	148	132	167	206	186	228	289
Injection rate (standard)	cm³/s	123	161	204	141	178	220	153	188	239
Screw stroke	mm	160			180			200		
Injection speed (standard)	mm/s	200			175			150		
Plasticizing capacity	kg/h	46	65	92	61	86	118	86	118	159
Screw rotation speed	rpm	400			375			375		
Clamping Unit										
Clamping force	ton(kN)	110(1079)			170(1667)			220(2157)		
Distance between tie-bar (H x V)	mm	470x470			570x570			625x625		
Platen dimension (H x V)	mm	680x680			840x810			900x870		
Daylight	mm	400			500			550		
Max. Daylight	mm	850			1000			1150		
Min. Mold height	mm	150			180			200		
Max. Mold height	mm	450			500			600		
Ejector force	ton(kN)	3.1(30.4)			3.5(34.3)			3.5(34.3)		
Ejector stroke	mm	80			100			120		
General										
Motor capacity (standard)	kW	20.0			20.0			20.0		
Heater capacity	kW	7.0	7.8	9.1	8.5	9.9	11.2	9.9	11.2	12.6
Total electric power capacity (normal)	kW	27.0	27.8	29.1	28.5	29.9	31.2	29.9	31.2	32.6
Machine weight	ton	5.9			6.7			9.4		
Machine dimension (L*W*H)	m	5.1x1.2x2.0			5.7x1.6x2.0			6.3x1.7x2.0		

01. Theoretical injection volume: cross section of screw*screw stroke.
 02. Minimum mold height should be more than 60% 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.

		TE280G5			TE280WG5			TE350G5			TE400G5		
		IE 720			IE 1000			IE 1360			IE 1700		
Injection Unit													
Screw & Barrel type		O	A	B	O	A	B	O	A	B	O	A	B
Screw diameter	mm	40	45	50	45	50	55	50	55	60	55	60	65
Injection pressure	kg/cm²	2476	1956	1585	2830	2292	1894	2562	2117	1779	2335	1962	1671
	Mpa	243	192	155	278	225	186	251	208	174	229	192	164
Injection holding pressure	kg/cm²	2228	1760	1427	2547	2063	1705	2306	1905	1601	2102	1766	1504
	Mpa	219	173	140	250	202	167	226	187	157	206	173	147
Theoretical Injection Volume	cm³	276	350	432	398	491	594	530	641	763	713	848	995
Shot weight (PS)	g	251	319	393	362	447	541	482	583	694	649	772	905
Injection rate (standard)	cm³/s	188	239	295	239	295	356	295	356	424	356	424	498
Screw stroke	mm	220			250			270			300		
Injection speed (standard)	mm/s	150			150			150			150		
Plasticizing capacity	kg/h	94	127	171	114	154	197	143	182	234	153	196	242
Screw rotation speed	rpm	300			270			250			210		
Clamping Unit													
Clamping force	ton(kN)	280(2746)			280(2746)			350(3432)			400(3923)		
Distance between tie-bar (H x V)	mm	670x670			720x720			770x770			820x820		
Platen dimension (H x V)	mm	980x970			1020x1020			1160x1090			1240x1140		
Daylight	mm	600			650			700			750		
Max. Daylight	mm	1250			1350			1450			1550		
Min. Mold height	mm	250			300			300			350		
Max. Mold height	mm	650			700			750			800		
Ejector force	ton(kN)	4.3(42.2)			4.3(42.2)			4.3(42.2)			5.6(55.0)		
Ejector stroke	mm	130			130			150			210		
General													
Motor capacity (standard)	kW	30.0			54.0			54.0			54.0		
Heater capacity	kW	13.6	14.6	17.1	14.6	17.1	18.7	19.1	21.0	23.8	21.0	23.8	25.7
Total electric power capacity (normal)	kW	43.6	44.6	47.1	68.6	71.1	72.7	73.1	75.0	77.8	75.0	77.8	79.7
Machine weight	ton	14.5			16.0			18.2			22.0		
Machine dimension (L*W*H)	m	6.7x1.7x2.0			7.1x1.8x2.1			8.0x1.9x2.2			8.3x2.0x2.2		

DL-G5
450~3300 ton

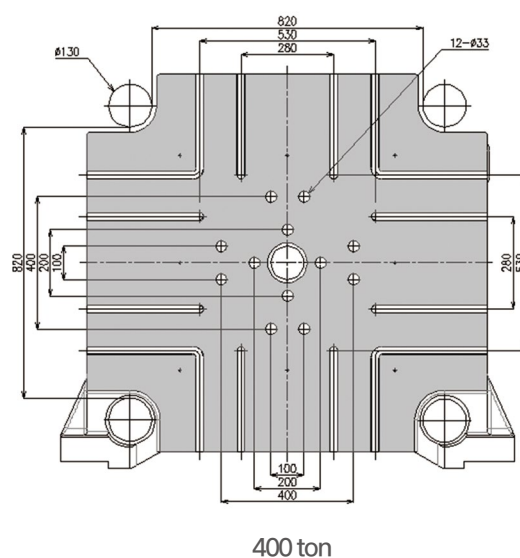
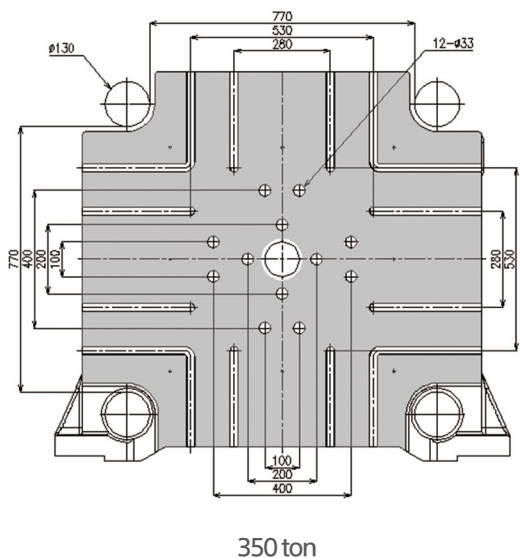
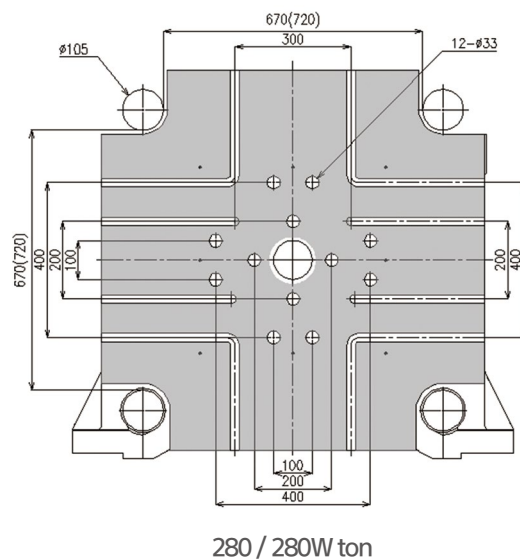
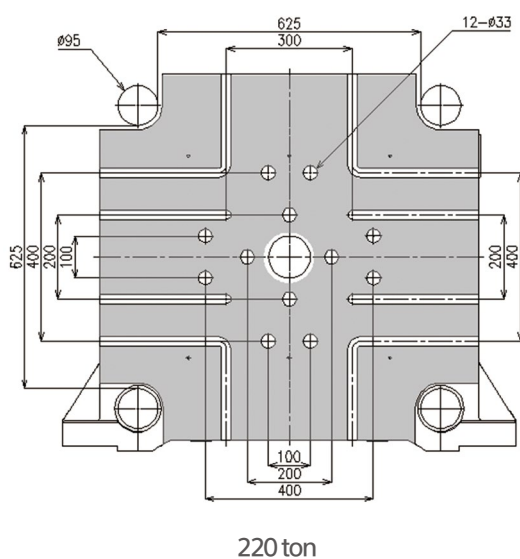
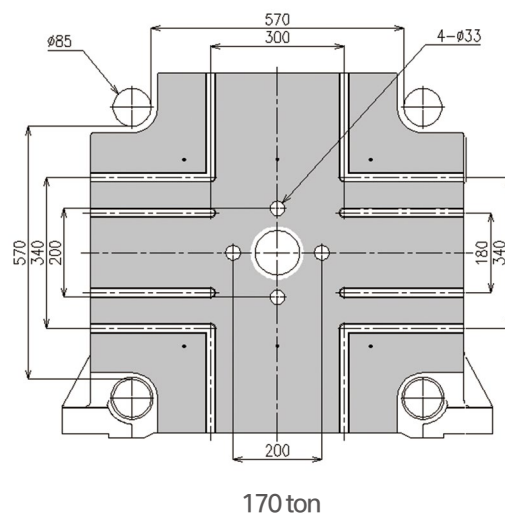
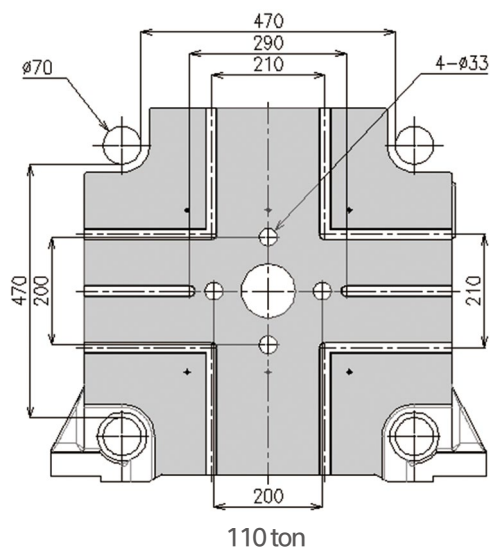
TB-G5
90~880 ton

TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5

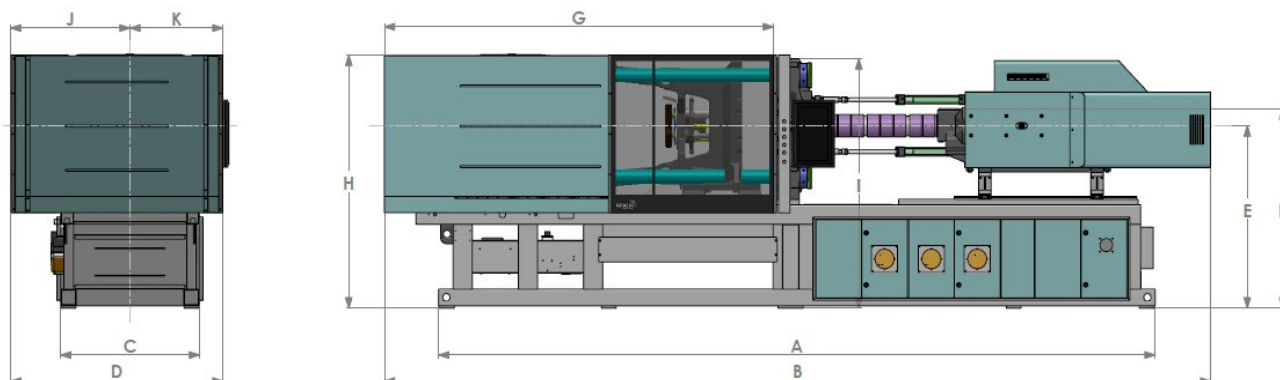
Platen Dimension

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



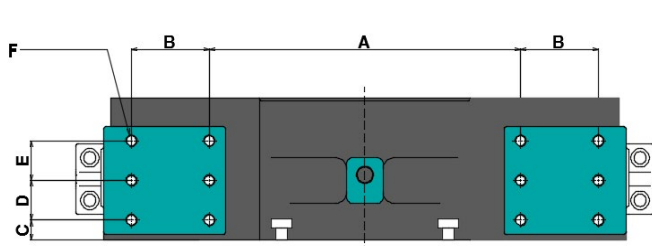
Machine Dimension

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

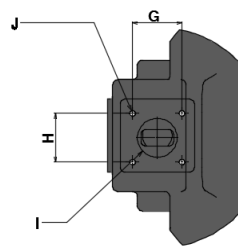


Unit: mm

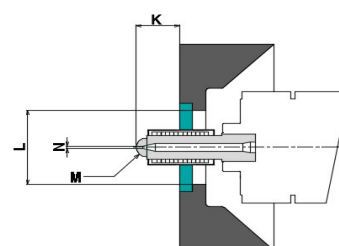
	A	B	C	D	E	F	G	H	I	J	K
TE110G5	4635	5054	810	1192	1225	1325	2209	1940	1585	592	600
TE170G5	5000	5688	960	1540	1295	1410	2549	1969	1735	870	670
TE220G5	5400	6157	1040	1614	1350	1465	2913	1945	1830	907	707
TE280G5	5685	6618	1100	1684	1402	1532	3147	1945	1917	947	737
TE280WG5	6300	7100	1180	1740	1450	1580	3300	2100	2000	970	780
TE350G5	6735	7995	1270	1884	1495	1635	3610	2130	2095	1032	852
TE400G5	6935	8104	1320	1934	1520	1660	3800	2185	2145	1057	875



▲ 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
TE110G5	455	85	35	70	-	8-M16 TAP DP32	100	100	80	4-M12 TAP	50	125	R10	2.5
TE170G5	420	140	35	70	70	12-M20 TAP DP40	100	100	80	4-M12 TAP	50	120	R10	3
TE220G5	560	140	35	70	70	12-M20 TAP DP40	100	100	80	4-M12 TAP	50	120	R10	3
TE280G5	560	140	35	140	-	8-M20 TAP DP40	120	120	100	4-M12 TAP	50	120	R15	3.5
TE280WG5	560	140	35	140	-	8-M20 TAP DP40	120	120	100	4-M12 TAP	50	120	R15	3.5
TE350G5	760	150	40	150	-	8-M20 TAP DP40	120	120	120	4-M12 TAP	50	120	R15	3.5
TE400G5	850	100	50	60	60	12-M24 TAP DP40	120	120	120	4-M12 TAP	50	120	R15	3.5

DL-G5
450~3300 ton

TB-G5
90~880 ton

TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5

Option List

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

DL-G5		
Injection Unit	Clamping Unit	General
Standard		
01. Single Flight Screw 02. Injection valve gate circuit (AC 1 + DC 1) 03. Back-Pressure Closed-loop system 04. PID Heating Control 05. Heating downtime mode 06. Weekly Heating Timer 07. Cold screw start protection mode 08. Temperature display & Alarm in abnormal Temp. 09. Auto Purging 10. Injection Speed & Pressure step (10 step) 11. Holding Speed & Pressure step (5 step) 12. Charging Speed & Pressure step (4 step) 13. Back Pressure control step (4 step) 14. Injection Pressure Graph Display 15. Injection Speed Graph Display 16. Screw RPM Display 17. Cushion Display & Alarm 18. Charging time count & alarm 19. Screw & Barrel (Anti Wear)	01. Safety Foot-board (Above 1050ton) 02. Automatic safety Door open/close (Above 450ton) 03. Clamping area Curtain sensor (Above 550ton) 04. Hydraulic Core puller (Moving platen side, 1 stage) 05. Air blow-off unit (Fixed side 1 + Moving side 1) 06. Safety device(for electric & hydraulic) 07. Spring mold mode 08. Automatic Mold thickness adjust mode 09. Mold-Open Speed & Pressure step (5 step) 10. Mold-Close Speed & Pressure step (5 step) 11. Ejector Speed & Pressure step (3 step)	01. Standard Maintenance tools 02. Standard spare part 03. Leveling pad 04. Cooling water distribution 05. Automatic grease lubrication (Clamping) 06. Robot interface (Standard) 07. 3 Phase electric outlet (2 ea) 08. Single Phase electric outlet (1 ea) 09. Steel tray for resin leakage 10. Hopper throat temperature control device 11. Hydraulic oil purification device 12. Hydraulic oil temperature control device 13. Hydraulic oil level alarm 14. Hydraulic oil temperature check & alarm 15. Hydraulic oil heating mode 16. 3 color alarm light 17. Shot data saving by external way 18. Production data statistics 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 02. Hopper Slide (L/M) 03. Hopper Ladder & Stand 04. Screw & Barrel (Nitrided barrel) 05. Screw & Barrel (Anti Wear & Corrosive) 06. Valve Gate Circuit & Connector (Interior type) 07. Hydraulic Valve Gate Block (Interior type) 08. Pneumatic Valve Gate Block (Interior type) 09. Hydraulic Valve Gate Device (External device) 10. Charging on Fly (by electric charging motor) 11. Shut-off Nozzle (Pneumatic, Hydraulic, Spring) 12. Customized Design Screw (SB, Mixing, Coating)	01. Rotating Core Circuit 02. Safety Foot-board (Below 850ton) 03. Core & Ejector on Fly 04. Daylight Extension 05. Core Pressure release Circuit (Manual) 06. Product Chute 07. Hydraulic Core Check Valve 08. Hydraulic Core Interlock Connector (EM13, WJ Standard) 09. Hydraulic Core Puller (2~4 Stages) 10. Mold ring on Moving-Platen 11. Ejector Check Valve 12. Ejector Interlock Connector (WJ Standard, EM13) 13. Ejector Forward/Backward External switch 14. Mold Insulation Plate 15. Pneumatic Core Puller (1~4 Stages)	01. Hydraulic Auto-Clamp unit 02. Anchor-bolt set (Clamping unit) 03. Heater Insulation Band 04. Automatic Grease Lubrication (Injection unit) 05. Robot Interface (EM12, EM67, EM67.1, SPI) 06. CMS (Central Monitoring System) 07. AVR(Automatic Voltage Regulator) on Electric Panel 08. UPS (Uninterruptible Power Supply) on Electric Panel 09. Dosing unit Interface (for Masterbatch) 10. Gas Injection Interface 11. Steam Injection Interface 12. External Temperature Display (F/P) 13. Interior type Hot Runner Controller (EM13, WJ Standard)

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

TB-G5		
Injection Unit	Clamping Unit	General
Standard		
01. Single Flight Screw 02. Injection valve gate circuit (AC 1 + DC 1) 03. Back-Pressure Closed-loop system 04. PID Heating Control 05. Heating downtime mode 06. Weekly Heating Timer 07. Cold screw start protection mode 08. Temperature display & Alarm in abnormal Temp. 09. Auto Purging 10. Injection Speed & Pressure step (10 step) 11. Holding Speed & Pressure step (5 step) 12. Charging Speed & Pressure step (4 step) 13. Back Pressure control step (4 step) 14. Injection Pressure Graph Display 15. Injection Speed Graph Display 16. Screw RPM Display 17. Cushion Display & Alarm 18. Charging time count & alarm 19. Screw & Barrel (Anti Wear)	01. Automatic safety Door open/close (Above 450ton) 02. Mold thickness adjusting brake unit (Below 580ton) 03. Hydraulic Core puller (Moving platen side, 1 stage) 04. Air blow-off unit (Fixed side 1 + Moving side 1) 05. Safety device(for electric & hydraulic) 06. Automatic Mold thickness adjust mode 07. Mold-Open Speed & Pressure step (5 step) 08. Mold-Close Speed & Pressure step (5 step) 09. Ejector Speed & Pressure step (3 step)	01. Standard Maintenance tools 02. Standard spare part 03. Leveling pad 04. Cooling water distribution 05. Automatic oil lubrication (Toggle) 06. Robot interface (Standard) 07. 3 Phase electric outlet (2 ea) 08. Single Phase electric outlet (1 ea) 09. Hopper throat temperature control device 10. Hydraulic oil purification device 11. Hydraulic oil temperature control device 12. Hydraulic oil level alarm 13. Hydraulic oil temperature check & alarm 14. Hydraulic oil heating mode 15. 3 color alarm light 16. Shot data saving by external way 17. Production data statistics 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 02. Hopper Slide (L/M) 03. Screw & Barrel (Nitrided barrel) 04. Screw & Barrel (Anti Wear & Corrosive) 05. Valve Gate Circuit & Connector (Pneumatic, Hydraulic, Spring) 06. Shut-off Nozzle (Pneumatic, Hydraulic, Spring) 07. Customize Design Screw (SB, Mixing, Coating)	01. Rotating Core Circuit 02. Daylight Extension 03. Automatic safety Door open/close (Below 380ton) 04. Core Pressure release Circuit (Manual) 05. Product Chute 06. Hydraulic Core Check Valve 07. Hydraulic Core Interlock Connector (EM13, WJ Standard) 08. Hydraulic Core Puller (2~4 Stages) 09. Mold ring on Moving-Platen 10. Ejector Check Valve 11. Ejector Interlock Connector (WJ Standard, EM13) 12. Ejector Forward/Backward External switch 13. Mold Insulation Plate 14. Pneumatic Core Puller (1~4 Stages)	01. Lubricating oil Recycling device 02. Product drop check device 03. Product quality sorting device 04. Hydraulic Auto-Clamp unit 05. Steel tray for resin leakage 06. Heater Insulation Band 07. Automatic Grease Lubrication (Clamping unit) 08. Automatic Grease Lubrication (Injection unit) 09. Robot Interface (EM12, EM67, EM67.1, SPI) 10. CMS (Central Monitoring System) 11. AVR (Automatic Voltage Regulator) on Electric Panel 12. UPS (Uninterruptible Power Supply) on Electric Panel 13. Dosing unit Interface (for Masterbatch) 14. Gas Injection Interface 15. Steam Injection Interface 16. External Temperature Display (F/P) 17. Interior type Hot Runner Controller (EM13, WJ Standard)

DL-G5
450~3300 ton

TB-G5
90~880 ton

TE-G5
110~400 ton

Option List
DL-G5 / TB-G5 / TE-G5

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

TE-G5		
Injection Unit	Clamping Unit	General
Standard		
01. Single Flight Screw 02. Charging on Fly 03. Injection valve gate circuit (AC 1 + DC 1) 04. Back-Pressure Closed-loop system 05. PID Heating Control 06. Heating downtime mode 07. Weekly Heating Timer 08. Cold screw start protection mode 09. Temperature display & Alarm in abnormal Temp. 10. Auto Purging 11. Injection Speed & Pressure step (10 step) 12. Holding Speed & Pressure step (5 step) 13. Charging Speed & Pressure step (4 step) 14. Back Pressure control step (4 step) 15. Back Pressure control step (3 step) 16. Injection Pressure Graph Display 17. Injection Speed Graph Display 18. Screw RPM Display 19. Cushion Display & Alarm 20. Charging time count & alarm 21. Screw & Barrel (Anti Wear)	01. Ejecting on fly 02. Air blow-off unit (Fixed side 1 + Moving side 1) 03. Safety device(for electric & hydraulic) 04. Automatic Mold thickness adjust mode 05. Mold-Open Speed & Pressure step (5 step) 06. Mold-Close Speed & Pressure step (5 step) 07. Ejector Speed & Pressure step (3 step)	01. Standard Maintenance tools 02. Standard spare part 03. Leveling pad 04. Cooling water distribution 05. Automatic Ball-screw grease lubrication (All parts) 06. Automatic oil lubrication (Toggle) 07. Robot interface (Standard) 08. 3 Phase electric outlet (2 ea) 09. Single Phase electric outlet (1 ea) 10. Hopper throat temperature control device 11. 3 color alarm light 12. Shot data saving by external way 13. Production data statistics 14. Alarming & History save 15. Log history save 16. I/O circuit display 17. Shot data save (Internal 1,000 / External device)
Option		
01. Heater Disconnection check device 02. Hopper Slide (L/M) 03. Long holding pressure type upgrade 04. Screw & Barrel (Nitrided barrel) 05. Screw & Barrel (Anti Wear & Corrosive) 06. Valve Gate Circuit & Connector (Interior type) 07. Pneumatic Valve Gate Block (Interior type) 08. Shut-off Nozzle (Pneumatic, Hydraulic, Spring) 09. Customized Design Screw (SB, Mixing, Coating)	01. Rotating Core Circuit 02. Automatic clamping force measurement compensation mode 03. Core on Fly 04. Daylight Extension 05. Automatic safety Door open/close 06. Core-Back Mode 07. Product Chute 08. Hydraulic Core Interlock Connector (EM13, WJ Standard) 09. Hydraulic Core Device (Fixed, Moving, 1or2 stage) 10. Mold ring on Moving-Platen 11. Ejector Interlock Connector (WJ Standard, EM13) 12. Ejector Forward/Backward External switch 13. Mold Insulation Plate 14. Pneumatic Core Puller (1-4 Stages)	01. Lubricating oil Recycling device 02. Product drop check device 03. Product quality sorting device 04. Hydraulic Auto-Clamp unit 05. Steel tray for resin leakage 06. Heater Insulation Band 07. Robot Interface (EM12, EM67, EM67.1, SPI) 08. CMS (Central Monitoring System) 09. AVR (Automatic Voltage Regulator on Electric Panel) 10. UPS (Uninterrentable Power Supply) on Electric Panel 11. Dosing unit Interface (for Masterbatch) 12. Gas Injection Interface 13. Steam Injection Interface 14. External Temperature Display (F/P) 15. Interior type Hot Runner Controller (EM13, WJ Standard)

Controller IMC 700



Compatibility

- 01. Embedded Linux
- 02. 10/100 Mbps Ethernet
- 03. USB2.0, RS-232

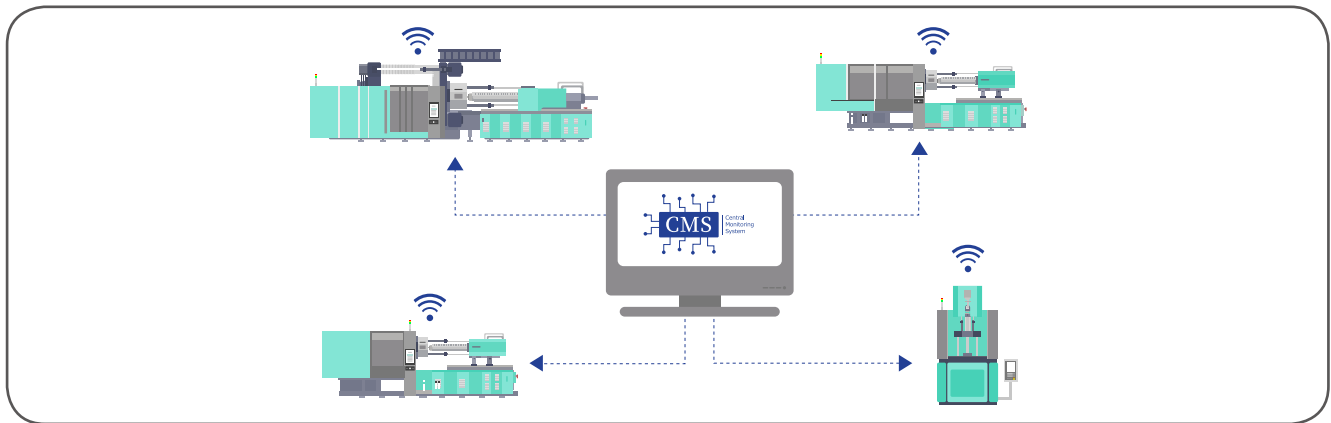
Display Resolution Touch screen CPU RAM Memory IP Grade Machine

- 15"
- 768 X 1024
- 5-wire Resistive type
- Cortex – A8
- DDR2, 512MB
- NAND Flash, 512MB
- IP65(Front), IP20(Back)
- DL-G5, TE-G5, NC-G5, TE-NC, TB-G5, VH-RG5

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.

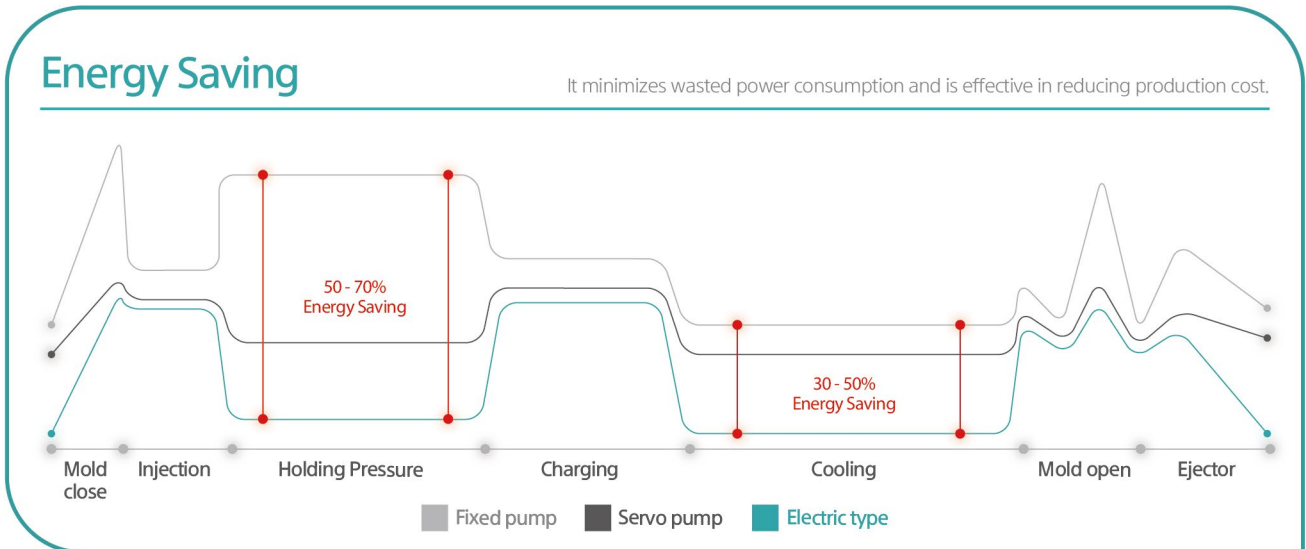
Software Requirement

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

Energy Saving

Energy-saving solutions

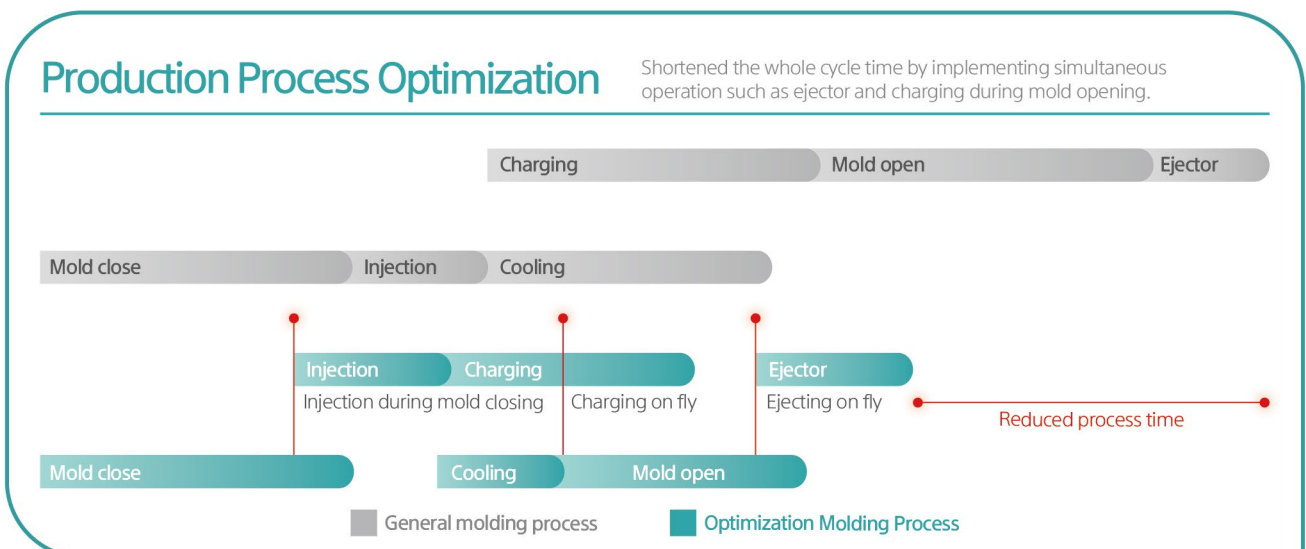
Servo systems precisely control the energy consumption of motors for each process and reduce unnecessary power and resource consumption to ease user's burden.



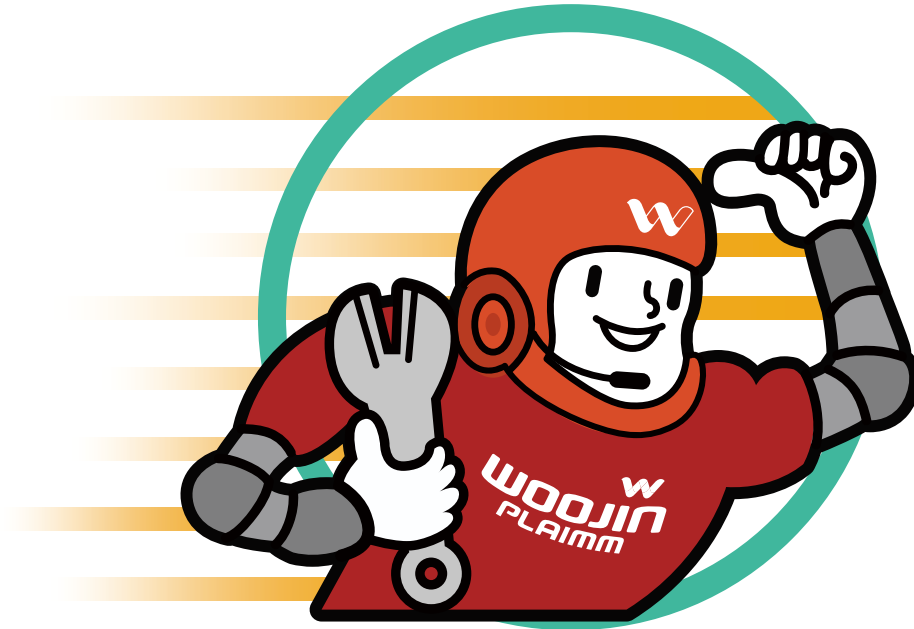
Production process optimization

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



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.

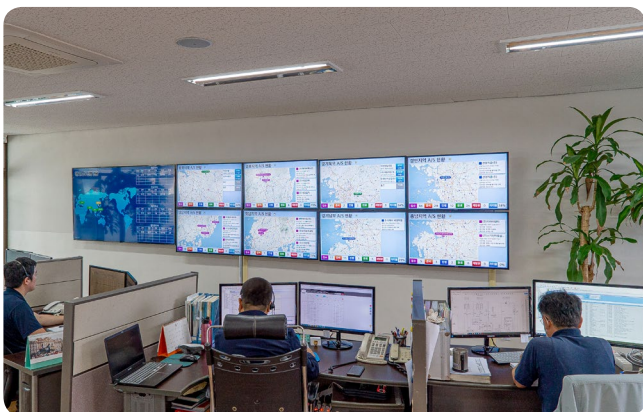
Mobile phone based APP support

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

Warranty extension

We insure quality of main parts.

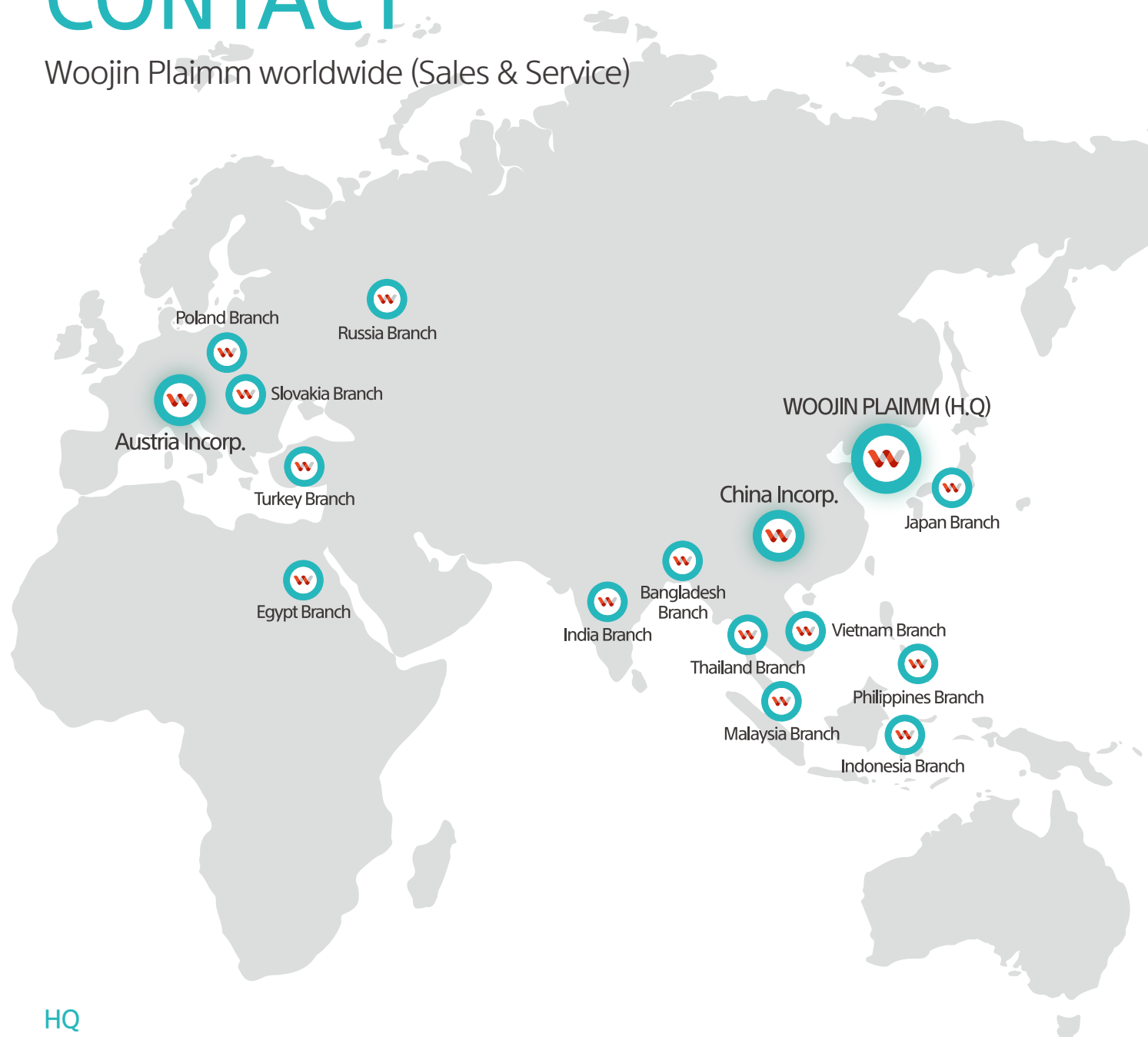
Service Center



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.

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* This is an updated content as of January 29, 2021. (The specifications may differ from the actual selling device.)