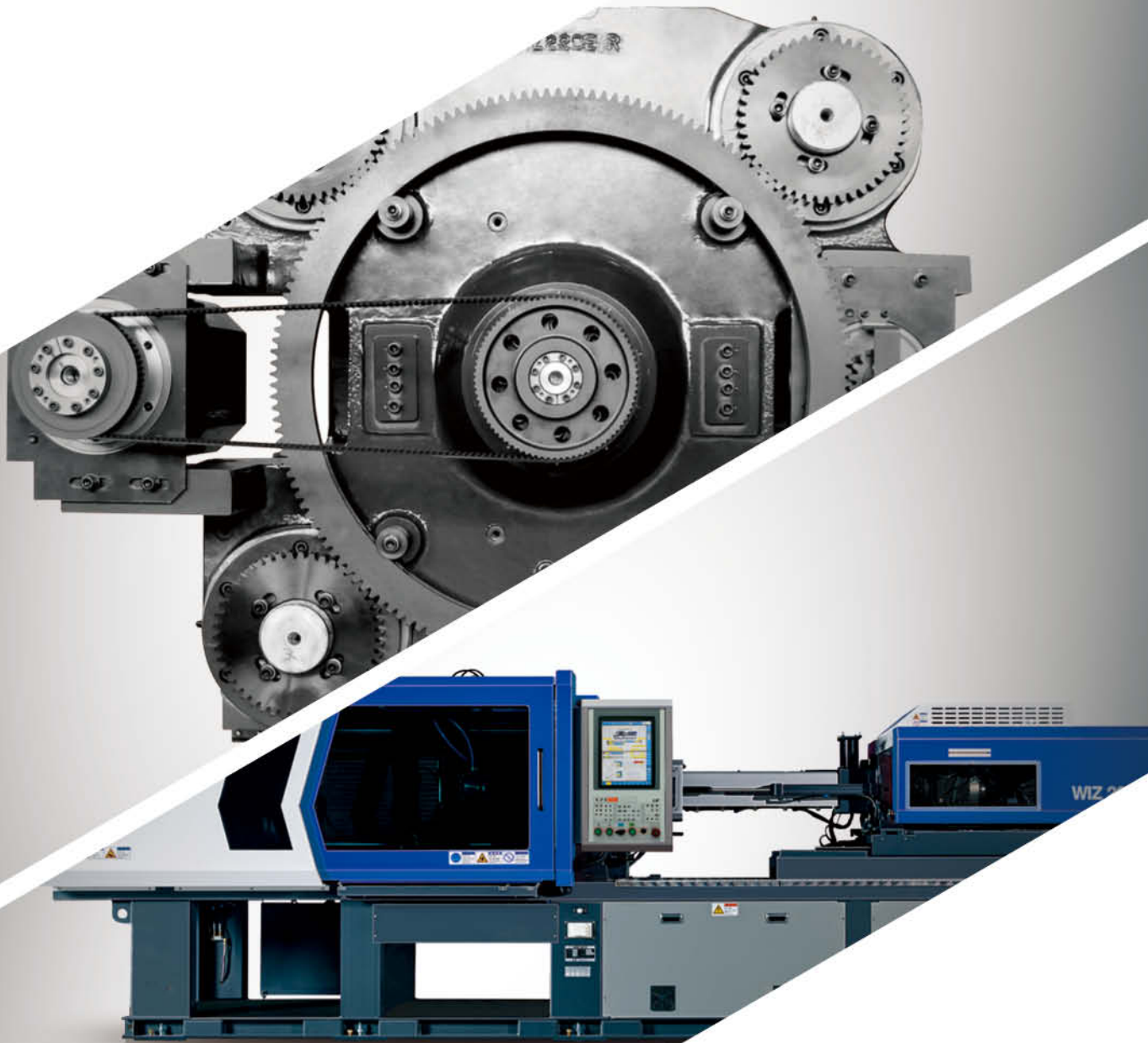




Full-electric Injection Molding Machine 18~850Ton

WIZ-E SERIES

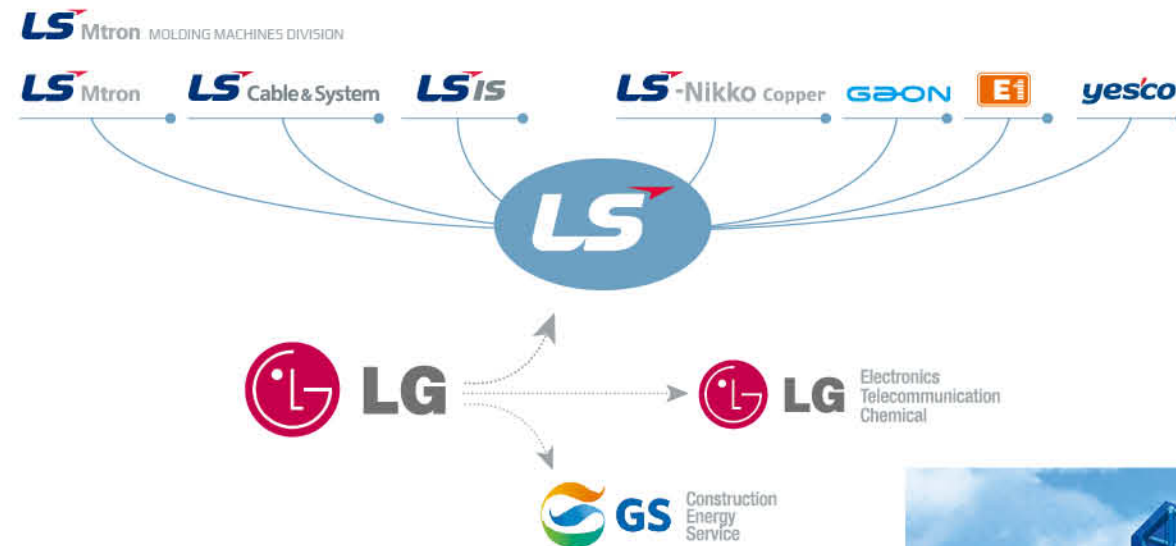




Full-Electric Injection Molding Machine

About LSMtron

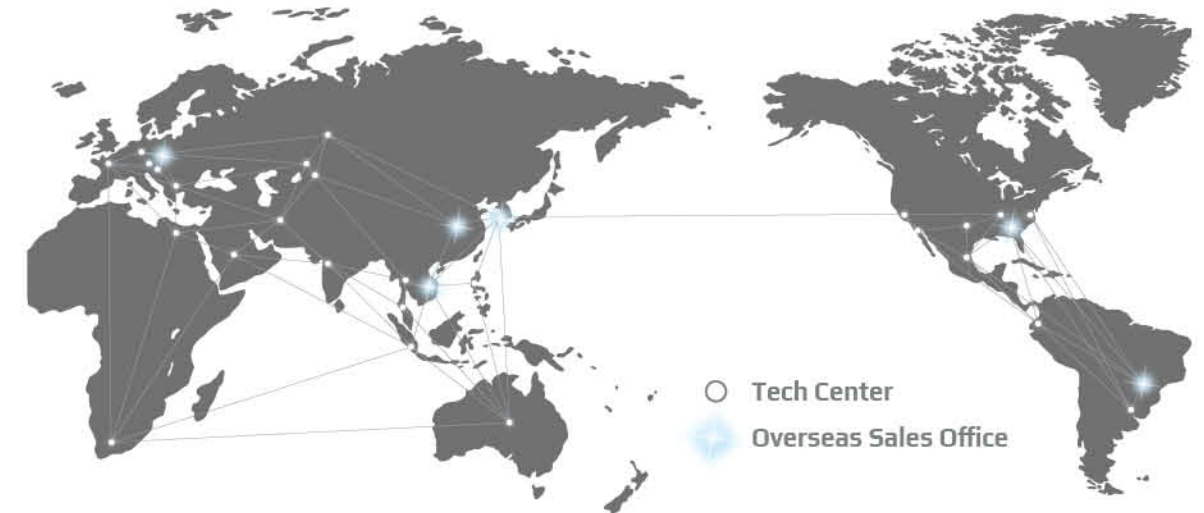
The goal of LS injection molding machines is to meet and exceed the technology and quality requirements of all customers in the global market. We (in partnership with our customers) will expand entry into advanced markets with continuous technology and quality innovation that consistently creates value for our customers. This will lead to high and consistent earnings growth by anticipating and understanding market needs in advance and leveraging this knowledge and insight as an indicator to drive technology, leadership and innovation within the global market without ceasing. Beginning with the development of Korea's first direct compression injection molding machines, LS has always put the customer first. From customer focused and dedicated injection molding machine technology such as two-platen injection molding machines for molders of light guide plates and mobile phones to multi-color injection molding and ultimately to full-electric injection molding machines which are the fruit of the most advanced technology.



INNOVATIVE TECHNOLOGY PARTNER



Integrated **ONE Solution** **Smart Machine for Industry 4.0** **Delivering value**



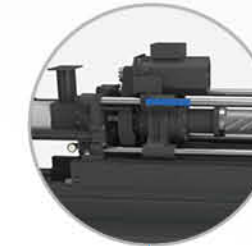
Full-electric Injection Molding Machine 18~850Ton

WIZ-E SERIES



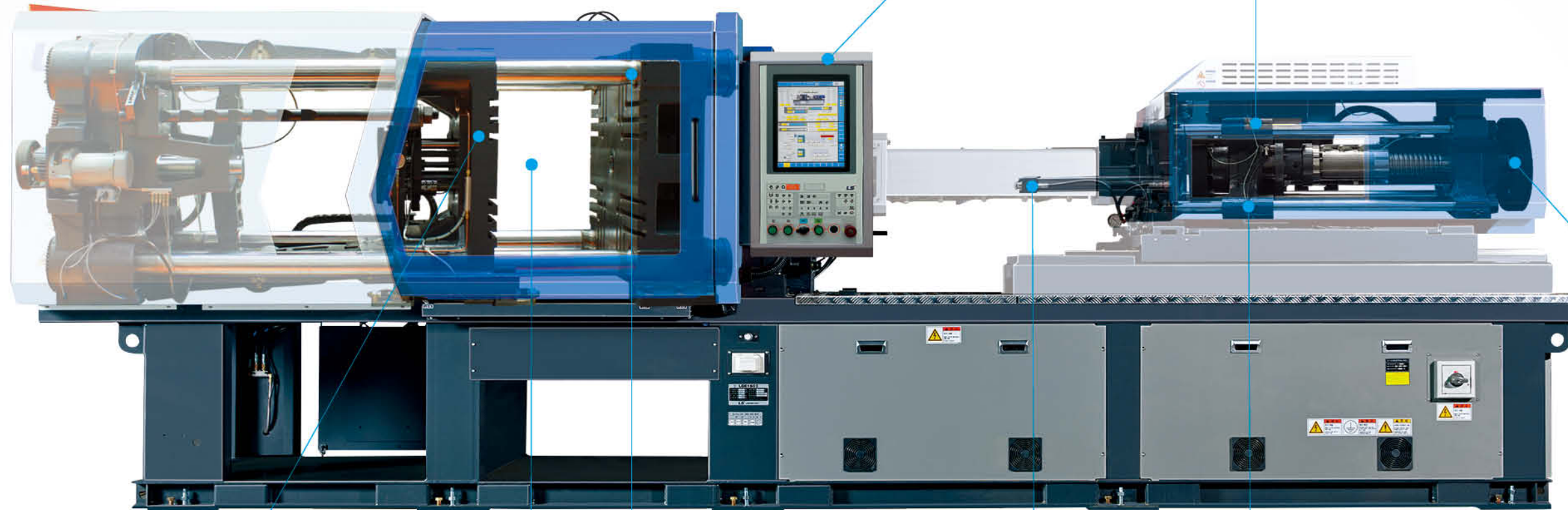
KEBA Controller

- Real time data setting and operation
- User-friendly UI
- Hot runner Controller(Internal)
- USB port, Key switch (Option)
- Manual operation button



Servo motor controls Individually and simultaneously

- Platen open during plasticizing / Ejection during opening platen / Injection during increasing pressure
- Reduce cycle time



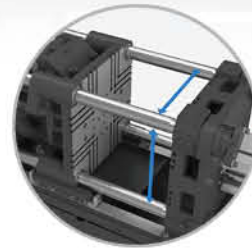
High stiffness clamping unit, Injection structure

- Minimize the platen distortion
- Improve uniform pressure distribution



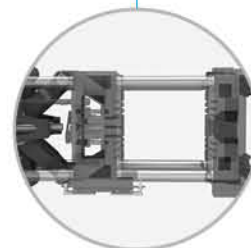
Extend tie bar distance (80 ~ 400 Ton)

- Applied Wide Platen as standard
- Big mold with lower level Ton machine



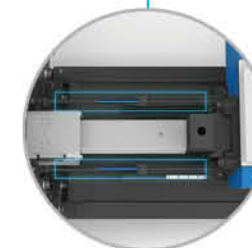
Extended daylight (80 ~ 400 Ton)

- Enable to load various size mold



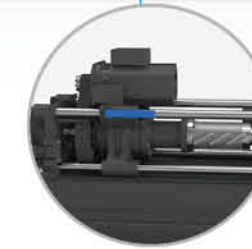
Double shaft nozzle touch structure

- Prevent platen falling : Platen parallelism improvement & prevent resin leak
- Increased part life



Increased Injection Volume

- 13% ~ 27% up compare to previous model



300mm/s Injection speed

- Applying strong & quick response AC servo motor
- Fast response time & Increased speed control accuracy

Pressure/Speed Priority option

- Customer can choose based on the molding style
- Pressure priority option (Thick wall, good appearance)
- Speed priority option (Thin product)



MORE OPPORTUNITY AND POSSIBILITY

LS FULL-ELECTRIC INJECTION & MOLDING MACHINE



High Precision



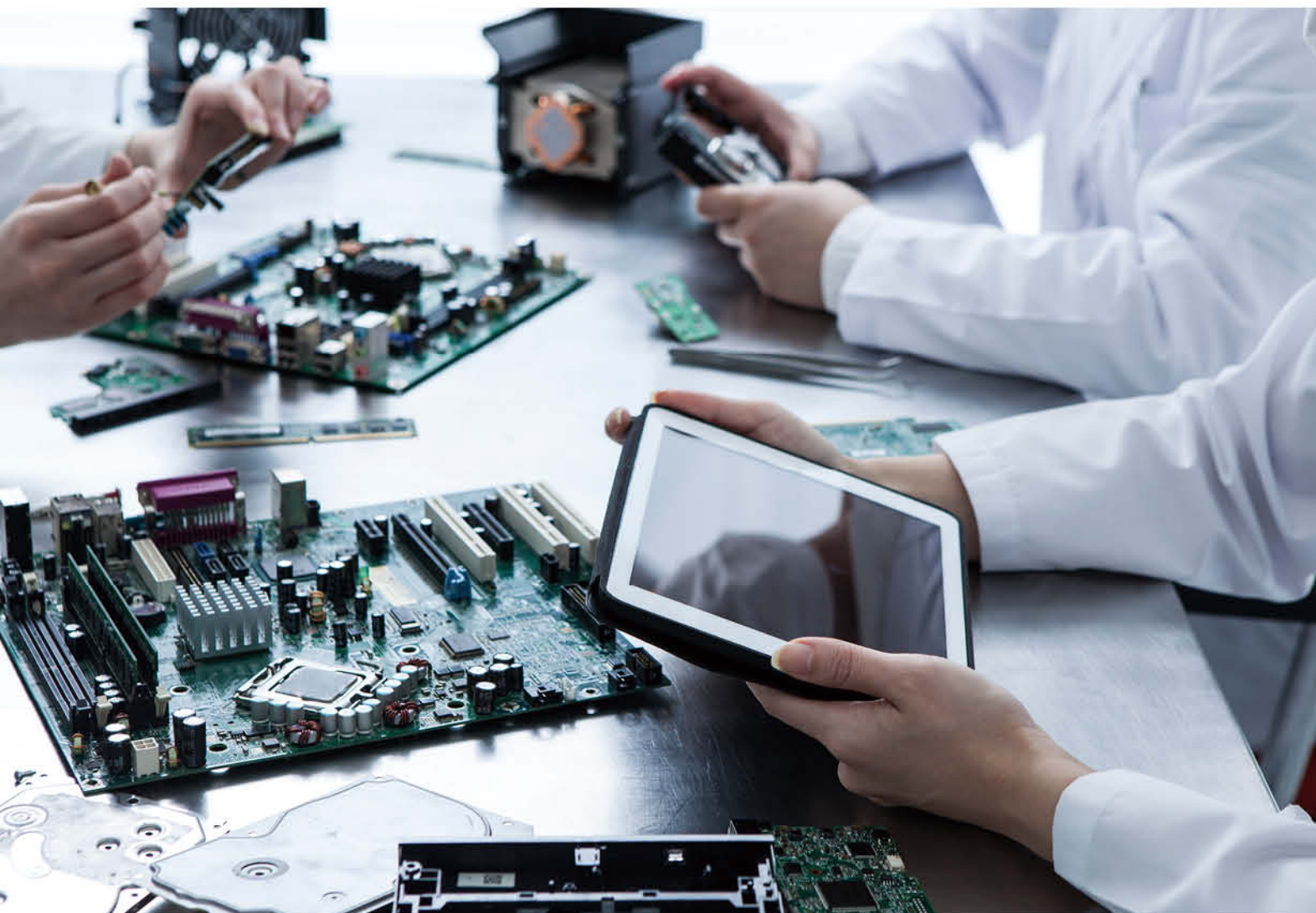
Energy Saving &
Cost Saving



Fast cycle time



Noise free



WIZ-E series, the best solution for your injection & molding machine manufacturing

You can bring the design whatever you want with our high precision technology and meet
the customer's needs in rapidly changing market.

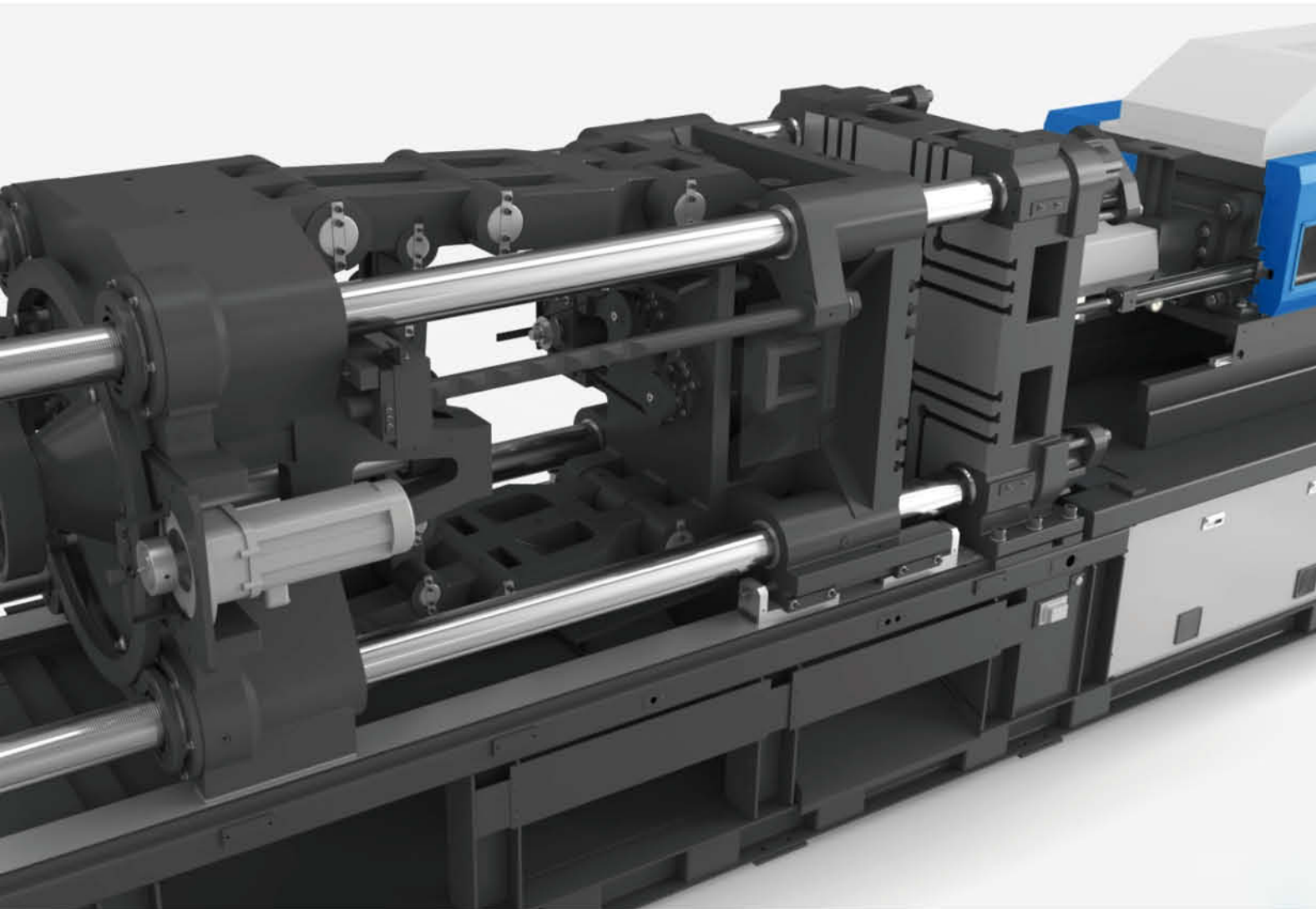
Finally, you can provide end user with high-class value than just product.



WIZ-E series,

provide best efficiency through optimized 5point

Toggle design with FEA



WIZ-E Series **Extended daylight (80~400Ton)**

- 3~20% up compare to previous model

WIZ-E Series **Enable to load various size mold**

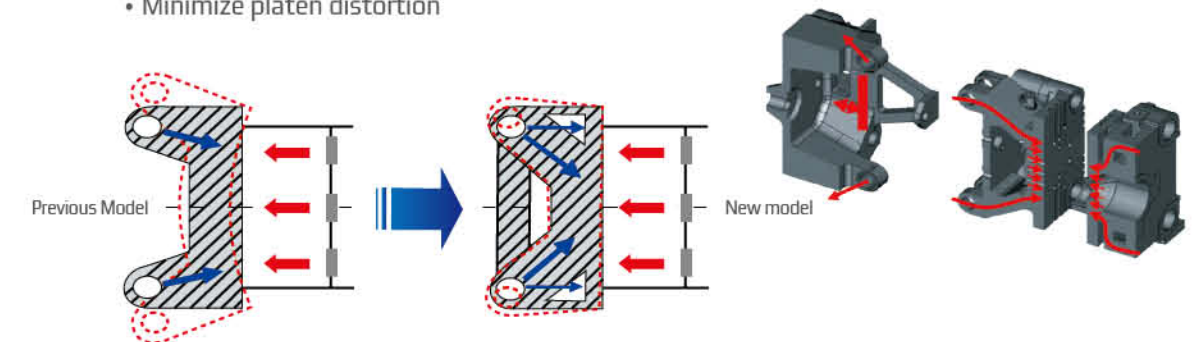
- Longest in-class: Tie-bar distance/adjusting mold distance

WIZ-E Series **Widest Platen-in-class**

- New center-press & high stiffness platen
- Extended Tie-bar distance (80~400 Ton)
 - Increased 7~17%(Horizontal) X 2~15%(Vertical)

WIZ-E Series **Center-press Moving platen & unification of Euromap ejector**

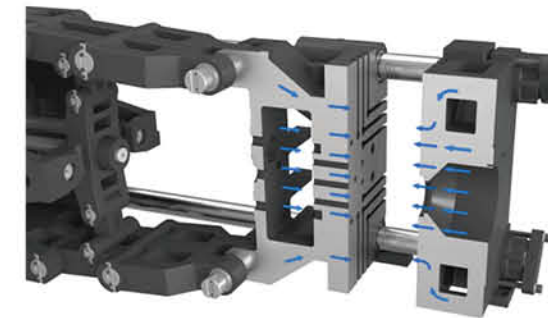
- Improve productivity multi cavity
- Minimize platen distortion



- Uniform clamping force prevent error - short shot, Flash and provide long mold life cycle

WIZ-E Series **High-stiffness platen with 5-point toggle and high-cycle mechanism**

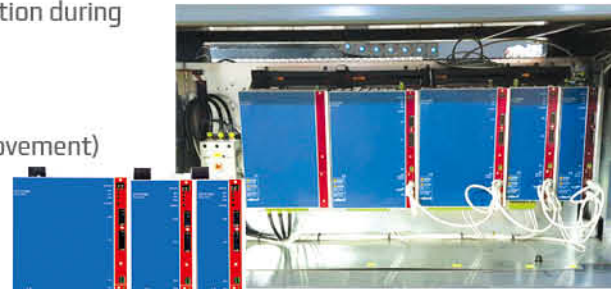
- 5-point toggle high speed clamping unit and high intensity injection mechanism
- High speed injection mechanism by adopting a high-response high-torque servo motor



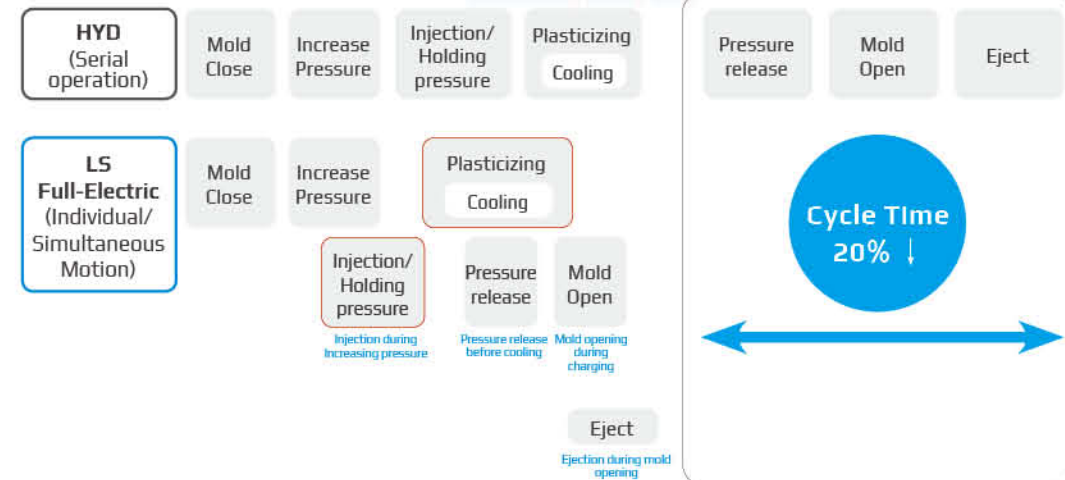
WIZ-E series, More stabilized molding with high stiffness clamping unit

WIZ-E Series Servo motor controls individually and simultaneously

- Platen open during plasticizing / Ejection during opening platen / Injection during increasing pressure
- Reduce cycle time (productivity improvement)

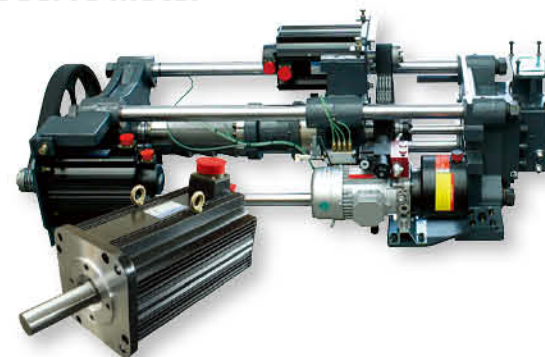


Reduction of cycle time



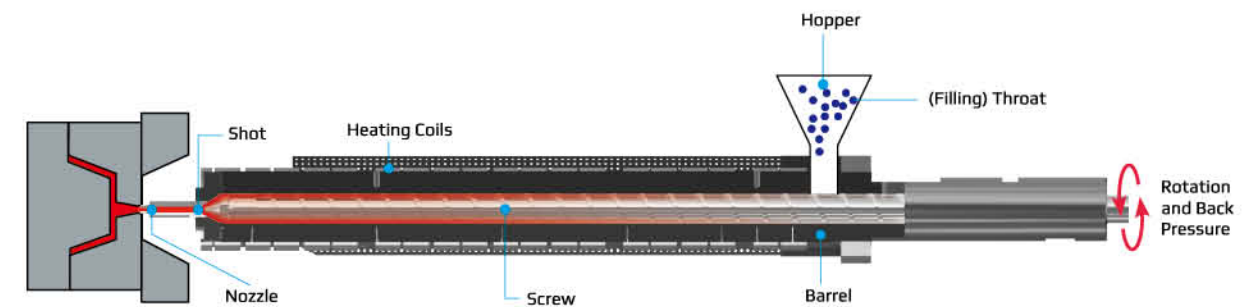
WIZ-E Series Applying strong & quick response AC servo motor to realize high injection speed

- Injection speed up to 500mm/s and multi-step injection speed control produced by a high-output and high-response servo motor.

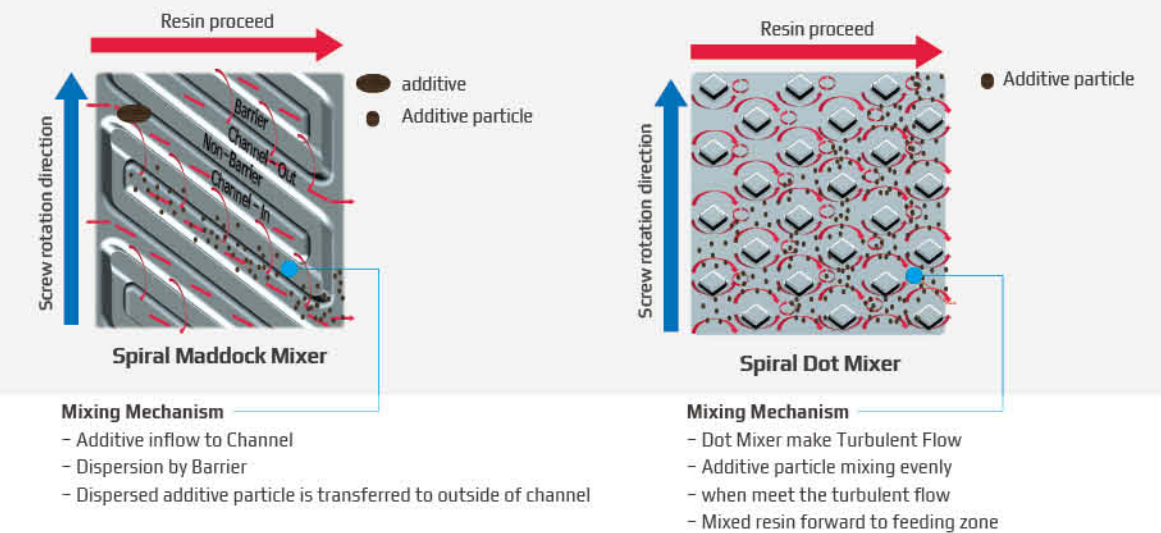


By applying Pulsar Screw, customized design that is optimized for actual working environment is provided. **option**

- As an only Asian member of German KTP, technologies are actively being exchanged.
- Possible to mold various products with single screw
- Better appearance of the products
- Shorter cycle time thanks to shorter cooling time
- Possible to apply most plasticizing resin Screw's applying section is expanded
- LS Mixing screw¹⁾ : 3 times higher Mixing effect than normal screw



LS Mixing Screw¹⁾ **option**



Integrated **ONE Solution**
Smart Machine for Industry 4.0
Delivering value

CONTROL SYSTEM (KEBA CONTRLLER)

User Sequence changed : Easy maintenance & Flexible for user demand



- Provides operational convenience for users by increasing the screen size
- Convenient operation with High-response color panel



- Easy and various graphic functions
- Real-time data adjustment and operation
- Function to search data on molds



- Easy to analyze cycles with monitoring screen
- East to convert unit
- Adds a memo function : possible to make an independent memo and associate with mold information



- Possible to monitor and communicate with peripheral devices.
- Possible to monitor I/O and turn ON/OFF the forced output on the touch screen



- User-friendly UI
- User can change the sequence of cycles
- Mix and match units (psi,inch,mm,bar, etc.)
- Multi language selection
- Multi-level, customizable password control for each user.

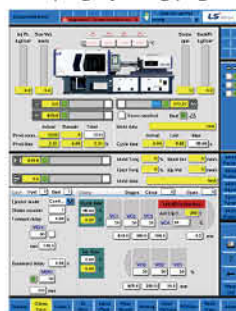


KEBA Controller

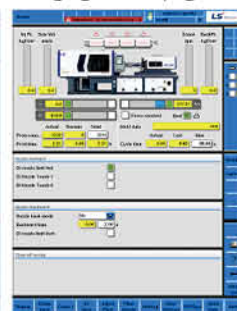
WIZ-E Series Quick response and user interface reinforcement

- Easy to convert units
- Function to search data on molds
- Easy and various graphic functions
- Users can change the sequence of cycles
- Possible to communicate with peripheral devices and monitor them
- An easy-to-analyze cycle monitoring screen
- Possible to monitor I/O and turn On/Off the forced output on the touch screen
- Provides operation convenience for users by increasing the screen size
- Adds a memo function - possible to make an independent memo and associate with mold information

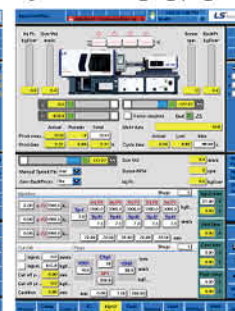
Clamping/Ejecting page



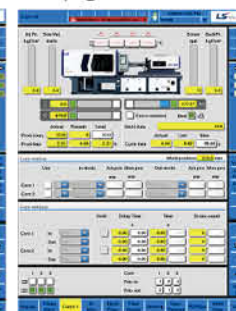
Charging/Nozzle page



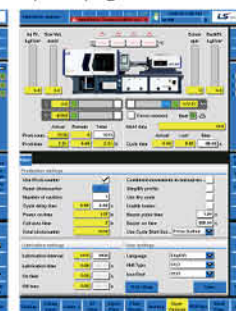
Injection/Charging page



Core page



Option page



TOTAL INJECTION MANAGEMENT POSSIBLE TO MAINTAIN AT A TIME

WIZ-E Series CSI SOLUTION [Injection Production & Process total management solution] option

LSMTRON's CSI Solution can support the customer to respond about the 4th Industry Revolution & Digital Transformation more quickly.

The Solution is processing from an initial stage (data gathering) to composing the meaningful information stage, furthermore to processing the Big Data & applying A.I to intelligence stage. Currently We are providing the CSI - M & CSI - C.

CSI - M [Total Injection management] option

CSI-M is a solution to the datafication and informatization stages.

It provides data interface and data collection and monitoring function for customer directly to extract information from injection molding machine.

Data Interface

- Supporting three kinds of interface for responding to the customers' needs for composing customer's data.
- Modbus system(the most generally used in industry field)
- OPC system(DA)(standardized date transmission)
- Europe Plastic & Rubber manufacturers association's Euromap67 (software for Personnel Computer)



I.M.M Monitoring System

- MBO for C.E.O & Real time monitoring system for the manager
- Provided the MES & ERP linkage function by the professional software development company

CSI - C [Total control of Focusing I.M.M] option

CSI - C is providing control function & monitoring the necessary equipments for injection production though I.M.M user screen.

- Reliability improvement of collected data
- Injection data and auxiliary equipment's data are synchronized through the I.M.M.
- Prevents incorrect input conditions by user through automatic loading of mold data and setting of auxiliary equipment parameters (Robot, Dryer, Hot Runner, etc.)
- Reduction of installation time/expense by decreasing communication line from I.M.M to equipments





How much you can save?

Energy Saving(Comparing with HYD 350 Ton)

WIZ-E Series **SAVE 15K USD per 1 year**
(vs HYD)

- Power Consumption : 40% reduced
- Oil Consumption : 100% reduced
- Cooling Water : 81% reduced
(except mold cooling water)

Calculation
Operation(hr) per year

- 7200h/year
- Water Fee : 0.34 USD/ton
- Oil price : 1.61 USD/l
- Electricity Fee : Based on Korean Tax system

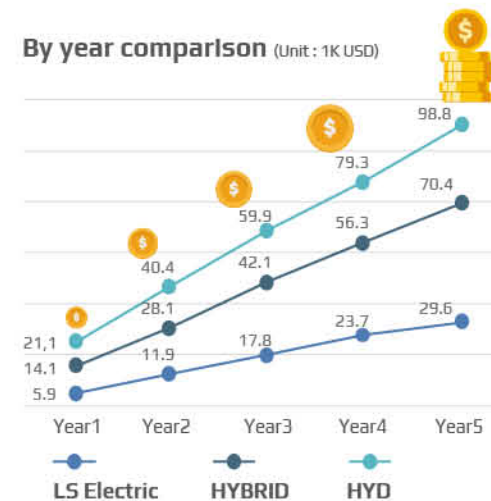
Data

Contents	LS Electric	HYD	HYBRID
Power consumption(kW)	10.34	25.85	18.1
Oil(l)	0	1,000	500
Cooling water(l/min)	12.3	65	50

1 year (Unit : USD)



By year comparison (Unit : 1K USD)



*currency exchange rate : ₩1120@\\$1

Full-electric Injection Molding Machine

WIZ-E SERIES

Clamping and Injection unit matrix

Model	WIZ 18E	WIZ 30E	WIZ 50E	WIZ 80E	WIZ 110E	WIZ 170E	WIZ 220E	WIZ 280E	WIZ 350E	WIZ 400E	WIZ 450E	WIZ 550E	WIZ 650E	WIZ 850E
i0.33	16A 18B	16A 18B												
i0.6		18Y 20A 22B												
i1.2			22Y 25A 28B		22YYY									
i1.7			25Y 28A 32B	25Y 28A 32B										
i1.9					25YY									
i2.4				28Y 32A 36B	28Y 32A 36B	28YY								
i3.6					32Y 36A 40B	32Y 36A 40B		32Y 36A 40B						
i3.8							32YY							
i4.7						45C								
i5.8						36Y 40A 45B	36Y 40A 45B	36Y 40A 45B						
i8.6							40Y 45A 50B	40Y 45A 50B						
i9.4								55C						
i14							50Y 55A 60B	50Y 55A 60B	50Y 55A 60B	50Y 55A 60B				
i15.6									70C	70C	70C			
i16.7									55Y 60A 65B	55Y 60A 65B	55Y 60A 65B			
i24.8											65Y 70A 75B	65Y 70A 75B		
i37											70Y 75A 85B	70Y 75A 85B	70Y 75A 85B	70Y 75A 85B
i45										90C	90C	90C	90C	
i63.6												85Y 90A 100B	85Y 90A 100B	85Y 90A 100B
i82.6													100Y 105A 115B	100Y 105A 115B

Full-electric Injection Molding Machine

WIZ-E SERIES



MAJOR SPECIFICATION

Model			WIZ18E						WIZ30E						WIZ50E						WIZ80E													
Injection Unit Code			i0.33		i0.6			i0.33		i0.6			i1.2			i0.6			i1.2			i1.7			i1.2			i1.7			i2.4			
Screw Type			A	B	Y	*A	B	A	B	Y	*A	B	Y	A	B	Y	A	B	Y	*A	B	Y	A	B	Y	A	B	Y	A	B				
Screw Diameter		mm	16	18	18	20	22	16	18	18	20	22	22	25	28	18	20	22	22	25	28	25	28	32	22	25	28	25	28	32	28	32	36	
Screw Stroke		mm	60	60	85	85	85	60	60	85	85	85	110	120	120	85	85	85	110	120	120	140	140	140	110	120	120	140	140	140	140	160	160	
Injection Capacity Calculated			cm³	12	15	22	27	32	12	15	22	27	32	42	59	74	22	27	32	42	59	74	69	86	113	42	59	74	69	86	113	86	129	163
Injection Capacity	PS	g	11	14	20	25	30	11	14	20	25	30	38	54	68	20	25	30	38	54	68	63	79	104	38	54	68	63	79	104	79	118	150	
	PE	g	9	11	16	19	24	9	11	16	19	24	31	43	54	16	19	24	31	43	54	50	63	82	31	43	54	50	63	82	63	94	119	
Standard	Max. Injection Pressure	MPa	265	209	242	196	162	265	209	242	196	162	253	196	187	242	196	162	253	196	187	246	196	150	253	196	187	246	196	150	236	181	143	
		kgf/cm²	2700	2133	2470	2000	1650	2700	2133	2470	2000	1650	2580	2000	1910	2470	2000	1650	2580	2000	1910	2510	2000	1530	2580	2000	1910	2510	2000	1530	2410	1850	1460	
	Max. Holding Pressure	MPa	238	188	218	177	146	238	188	218	177	146	228	177	169	218	177	146	228	177	169	222	177	135	228	177	169	222	177	135	213	163	129	
		kgf/cm²	2430	1920	2223	1800	1485	2430	1920	2223	1800	1485	2322	1800	1719	2223	1800	1485	2322	1800	1719	2259	1800	1377	2322	1800	1719	2259	1800	1377	2169	1665	1314	
	Injection Rate	cm³/s	60	76	127	157	190	60	76	127	157	190	76	98	123	127	157	190	76	98	123	98	123	161	76	98	123	98	123	161	123	161	204	
	Injection Speed	mm/sec	300		300			300		300			200			300			200			200			200			200			200			
High Speed	Max. Injection Pressure	MPa	265	209	242	196	162	265	209	242	196	162	253	196	187	242	196	162	253	196	187	246	196	150	253	196	187	246	196	150	236	181	143	
		kgf/cm²	2700	2133	2470	2000	1650	2700	2133	2470	2000	1650	2580	2000	1910	2470	2000	1650	2580	2000	1910	2510	2000	1530	2580	2000	1910	2510	2000	1530	2410	1850	1460	
	Max. Holding Pressure	MPa	238	188	218	177	146	238	188	218	177	146	228	177	169	218	177	146	228	177	169	222	177	135	228	177	169	222	177	135	213	163	129	
		kgf/cm²	2430	1920	2223	1800	1485	2430	1920	2223	1800	1485	2322	1800	1719	2223	1800	1485	2322	1800	1719	2259	1800	1377	2322	1800	1719	2259	1800	1377	2169	1665	1314	
	Injection Rate	cm³/s	101	127	127	157	190	101	127	127	157	190	114	147	185	127	157	190	114	147	185	147	185	241	114	147	185	147	185	241	185	241	305	
	Injection Speed	mm/sec	500		500			500		500			300			500			300			300			300			300			300			
High Speed (option)	Max. Injection Pressure	MPa											253	196	187				253	196	187	246	196	150	253	196	187	246	196	150	236	181	143	
		kgf/cm²												2580	2000	1910				2580	2000	1910	2510	2000	1530	2580	2000	1910	2510	2000	1530	2410	1850	1460
	Max. Holding Pressure	MPa												228	177	169				228	177	169	222	177	135	228	177	169	222	177	135	213	163	129
		kgf/cm²												2322	1800	1719				2322	1800	1719	2259	1800	1377	2322	1800	1719	2259	1800	1377	2169	1665	1314
	Injection Rate	cm³ /s												190	245	308				190	245	308	245	308	402	190	245	308	245	308	402	308	402	509
	Injection Speed	mm/sec											500						500			500			500			500			500			
Charging	Plasticizing Capacity(PS)	kg/h	13	17	17	23	33	13	17	17	23	33	33	45	59	17	23	33	33	45	59	36	47	59	33	45	59	36	47	59	47	59	85	
	Screw Speed	rpm	~500		~500			~500		~500			~500			~500			~500			~400			~500			~400			~400			

CLAMPING UNIT

Clamping Force	ton(kN)	18(177)						30(294)						50(490)						80(784)								
Tie Bar Distance	mm	260 x 260						260 x 260						335 x 335						420 x 370								
Clamping Stroke	mm	200						230						270						320								
Daylight	mm	450						480						590						670								
Die Plate Dimension	mm	380 x 400						380 x 400						470 x 480						615 x 555								
Mold Thickness	mm	120 ~ 250						120 ~ 250						150 ~ 320						150 ~ 350								
Ejector Force	ton	0.8						0.8						2						2								
Ejector Stroke	mm	60						60						70						70								

GENERAL

Heater	kw	2.3	2.3	4.6	5.1	5.6	2.3	2.3	4.6	5.1	5.6	5.6	8.3	9.7	4.6	5.1	5.6	5.6	8.3	9.7	8.3	9.7	12.3	5.6	8.3	9.7	8.3	9.7	12.3	9.7	12.5	14.5
Machine Dimension(LxWxH)	m	2.95x0.94x1.37		3.25x0.94x1.37		3.25 x 0.94 x 1.37		3.45 x 0.94 x 1.37		3.67 x 1.06 x 1.46		3.90 x 1.06 x 1.46		4.17 x 1.20 x 1.67		4.57 x 1.20 x 1.67																
Machine Weight	ton	1.7		1.9		1.9		2.1		2.3		2.5		2.7		3.3		3.5		3.7												

WIZ-E SERIES



MAJOR SPECIFICATION

Model			WIZ110E														WIZ170E														WIZ220E																			
Injection Unit Code			i1.2			i1.7			i1.2		i1.9		i2.4		i3.6			i1.7			i2.4			i2.4		i3.6			i4.7		i5.8			i2.4			i3.6			i3.8		i5.8			i8.6			i14		
Screw Type			Y	A	B	Y	A	B	YYY	YY	Y	*A	B	Y	A	B	Y	A	B	Y	A	B	YY	Y	*A	B	C	Y	A	B	Y	A	B	Y	A	B	YY	Y	*A	B	Y	A	B	Y	A	B				
Screw Diameter		mm	22	25	28	25	28	32	22	25	28	32	36	32	36	40	25	28	32	28	32	36	28	32	36	40	45	36	40	45	28	32	36	32	36	40	32	36	40	45	40	45	50	50	55	60				
Screw Stroke		mm	110	120	120	140	140	140	110	140	140	160	160	160	180	180	140	140	140	140	160	160	160	160	180	180	180	220	220	140	160	160	160	180	180	160	180	220	220	240	240	240	280	280	280					
Injection Capacity Calculated		cm³	42	59	74	69	86	113	42	69	86	129	163	129	183	226	69	86	113	86	129	163	99	129	183	226	286	183	276	350	86	129	163	129	183	226	129	183	276	350	302	382	471	550	665	792				
Injection Capacity	PS	g	38	54	68	63	79	104	38	63	79	118	150	118	169	208	63	79	104	79	118	150	91	118	169	208	263	169	254	322	79	118	150	118	169	208	118	169	254	322	277	351	434	506	612	728				
	PE	g	31	43	54	50	63	82	31	50	63	94	119	94	134	165	50	63	82	63	94	119	72	94	134	165	209	134	202	255	63	94	119	94	134	165	94	134	202	255	220	279	344	401	486	578				
Standard	Max. Injection Pressure	MPa	253	196	187	246	196	150	294	275	236	181	143	242	191	155	246	196	150	236	181	143	242	242	191	155	163	254	206	163	236	181	143	242	191	155	294	254	206	163	275	221	181	245	206	172				
		kgf/cm²	2580	2000	1910	2510	2000	1530	3000	2800	2410	1850	1460	2470	1950	1580	2510	2000	1530	2410	1850	1460	2470	2470	1950	1580	1660	2590	2100	1660	2410	1850	1460	2470	1950	1580	3000	2590	2100	1660	2800	2250	1850	2500	2100	1750				
	Max. Holding Pressure	MPa	228	177	169	222	177	135	265	247	213	163	129	218	172	139	222	177	135	213	163	129	218	218	172	139	147	229	185	147	213	163	129	218	172	139	265	229	185	147	247	199	163	221	185	154				
		kgf/cm²	2322	1800	1719	2259	1800	1377	2700	2520	2169	1665	1314	2223	1755	1422	2259	1800	1377	2169	1665	1314	2223	2223	1755	1422	1494	2331	1890	1494	2169	1665	1314	2223	1755	1422	2700	2331	1890	1494	2520	2025	1665	2250	1890	1575				
	Injection Rate	cm³/s	76	98	123	98	123	161	76	98	123	161	204	121	153	188	98	123	161	123	161	204	92	121	153	188	239	153	188	239	123	161	204	121	153	188	121	153	188	239	188	239	295	295	356	424				
		Injection Speed	mm/sec	200			200			200			150			200			200			150			150			200			150			150			150			150										
High Speed	Max. Injection Pressure	MPa	253	196	187	246	196	150	294	275	236	181	143	242	191	155	246	196	150	236	181	143	242	242	191	155		270	221	177	236	181	143	242	191	155	294	270	221	177	275	221	181	245	206	172				
		kgf/cm²	2580	2000	1910	2510	2000	1530	3000	2800	2410	1850	1460	2470	1950	1580	2510	2000	1530	2410	1850	1460	2470	2470	1950	1580		2750	2250	1800	2410	1850	1460	2470	1950	1580	3000	2750	2250	1800	2800	2250	1850	2500	2100	1750				
	Max. Holding Pressure	MPa	228	177	169	222	177	135	265	247	213	163	129	218	172	139	222	177	135	213	163	129	218	218	172	139		243	199	159	213	163	129	218	172	139	265	243	199	159	247	199	163	221	185	154				
		kgf/cm²	2322	1800	1719	2259	1800	1377	2700	2520	2169	1665	1314	2223	1755	1422	2259	1800	1377	2169	1665	1314	2223	2223	1755	1422		2475	2025	1620	2169	1665	1314	2223	1755	1422	2700	2475	2025	1620	2520	2025	1665	2250	1890	1575				
	Injection Rate	cm³/s	114	147	185	147	185	241	114	147	185	241	305	161	204	251	147	185	241	185	241	305	123	161	204	251		204	251	318	185	241	305	161	204	251	241	204	251	318	251	318	393	393	475	565				
		Injection Speed	mm/sec	300			300			300			200			300			300			200			200			300			200			300			200			200										
High Speed (option)	Max. Injection Pressure	MPa	253	196	187	246	196	150	294	275	236	181	143	242	191	155	246	196	150	236	181	143	242	242	191	155	147	240	191	152	236	181	143	242	191	155	294	240	191	152	275	221	181	245	206	172				
		kgf/cm²	2580	2000	1910	2510	2000	1530	3000	2800	2410	1850	1460	2470	1950	1580	2510	2000	1530	2410	1850	1460	2470	2470	1950	1580	1500	2450	1950	1550	2410	1850	1460	2470	1950	1580	3000	2450	1950	1550	2800	2250	1850	2500	2100	1750				
	Max. Holding Pressure	MPa	228	177	169	222	177	135	265	247	213	163	129	218	172	139	222	177	135	213	163	129	218	218	172	139	132	216	172	137	213	163	129	218	172	139	265	216	172	137	247	199	163	221	185	154				
		kgf/cm²	2322	1800	1719	2259	1800	1377	2700	2520	2169	1665	1314	2223	1755	1422	2259	1800	1377	2169	1665	1314	2223	2223	1755	1422	1350	2205	1755	1395	2169	1665	1314	2223	1755	1422	2700	2205	1755	1395	2520	2025	1665	2250	1890	1575				
	Injection Rate	cm³/s	190	245	308	245	308	402	190	245	308	402	509	402	509	628	245	308	402	308	402	509	308	402	509	628	795	509	628	795	308	402	509	402	509	628	402	509	628	795	628	795	982	982	1188	1414				
		Injection Speed	mm/sec	500			500			500			500			500			500			500			500			500			500			500			500			500										
Charging	Plasticizing Capacity(PS)	kg/h	33	45	59	36	47	59	26	36	47	59	85	52	74	99	36	47	59	47	59	85	41	52	74	99	130	64	85	111	47	59	85	52	74	99	44	64	85	111	71	93	135	135	173	218				
	Screw Speed	rpm	~500			~400			~400			~350			~400			~400			~350			~300			~400			~350			~300			~250			~250											

CLAMPING UNIT

Clamping Force	ton(kN)	110(1080)	170(1666)	220(2156)
Tie Bar Distance	mm	470 x 420	570 x 520	620 x 620
Clamping Stroke	mm	350	460	560
Daylight	mm	760	960	1110
Die Plate Dimension	mm	680 x 630	840 x 790	920 x 920
Mold Thickness	mm	200 ~ 410	250 ~ 500	270 ~ 550
Ejector Force	ton	2.5	3.5	4.6
Ejector Stroke	mm	120	120	130

GENERAL

Heater	kw	5.6	8.3	9.7	8.3	9.7	12.3	5.6	8.3	9.7	12.5	14.5	12.5	14.5	14.2	8.3	9.7	12.3	9.7	12.5	14.5	9.7	12.5	14.5	14.2	11.7	14.5	14.0	16.1	9.7	12.5	14.5	12.5	14.5	14.2	12.5	14.5	14.0	16.1	14.2	16.1	17.4	17.4	20.2	21.4							
Machine Dimension(LxWxH)	m	4.92 x 1.31 x 1.68											5.12 x 1.31 x 1.68					5.42 x1.50 x 1.85									5.82 x 1.50 x 1.85			6.28 x 1.74 x 1.94											6.58 x 1.74 x 1.94			6.88 x 1.74 x 1.94								
Machine Weight	ton	4.7			4.9			5.1			5.3									6.1			6.3			6.5									7.0			9.4			9.6			9.8			10.1			10.3		

Full-electric Injection Molding Machine

WIZ-E SERIES



MAJOR SPECIFICATION

Model			WIZ280E															WIZ350E													WIZ400E																								
Injection Unit Code			i3.6			i5.8			i8.6			i9.4	i14			i16.7			i5.8			i8.6			i14			i16.7			i15.6			i8.6			i14			i16.7			i15.6												
Screw Type			Y	A	B	Y	A	B	Y	*A	B	C	Y	A	B	Y	A	B	Y	A	B	Y	A	B	Y	*A	B	Y	A	B	C	Y	A	B	Y	A	B	Y	*A	B	C														
Screw Diameter		mm	32	36	40	36	40	45	40	45	50	55	50	55	60	55	60	65	36	40	45	40	45	50	55	60	65	70	40	45	50	50	55	60	65	70	40	45	50	50	55	60	65	70											
Screw Stroke		mm	160	180	180	180	220	220	240	240	240	240	280	280	280	270	270	270	180	220	220	240	240	240	280	280	280	270	270	270	270	240	240	240	280	280	280	270	270	270	270	270	270	270											
Injection Capacity Calculated		cm³	129	183	226	183	276	350	302	382	471	570	550	665	792	641	763	896	183	276	350	302	382	471	550	665	792	641	763	896	1039	302	382	471	550	665	792	641	763	896	1039	302	382	471	550	665	792	641	763	896	1039				
Injection Capacity	PS	g	118	169	208	169	254	322	277	351	434	525	506	612	728	590	702	824	169	254	322	277	351	434	506	612	728	590	702	824	956	277	351	434	506	612	728	590	702	824	956	277	351	434	506	612	728	590	702	824	956				
	PE	g	94	134	165	134	202	255	220	279	344	416	401	486	578	468	557	654	134	202	255	220	279	344	401	486	578	468	557	654	759	220	279	344	401	486	578	468	557	654	759	220	279	344	401	486	578	468	557	654	759				
Standard	Max. Injection Pressure	MPa	242	191	155	254	206	163	275	221	181	162	245	206	172	255	216	181	254	206	163	275	221	181	245	206	172	255	216	181	147	275	221	181	245	206	172	255	216	181	147	275	221	181	245	206	172	255	216	181	147				
		kgf/cm²	2470	1950	1580	2590	2100	1660	2800	2250	1850	1650	2500	2100	1750	2600	2200	1850	2590	2100	1660	2800	2250	1850	2500	2100	1750	2600	2200	1850	1500	2800	2250	1850	2500	2100	1750	2600	2200	1850	1500	2800	2250	1850	2500	2100	1750	2600	2200	1850	1500				
	Max. Holding Pressure	MPa	218	172	139	229	185	147	247	199	163	146	221	185	154	229	194	163	229	185	147	247	199	163	221	185	154	229	194	163	132	247	199	163	221	185	154	229	194	163	132	247	199	163	221	185	154	229	194	163	132				
		kgf/cm²	2223	1755	1422	2331	1890	1494	2520	2025	1665	1485	2250	1890	1575	2340	1980	1665	2331	1890	1494	2520	2025	1665	2250	1890	1575	2340	1980	1665	1350	2520	2025	1665	2250	1890	1575	2340	1980	1665	1350	2520	2025	1665	2250	1890	1575	2340	1980	1665	1350				
	Injection Rate	cm³/s	121	153	188	153	188	239	188	239	295	356	295	356	424	0	0	0	153	188	239	0	0	0	295	356	424	404	481	564	654	0	0	0	295	356	424	404	481	564	654	0	0	0	295	356	424	404	481	564	654				
	Injection Speed	mm/sec	150			150			150			150									150			150			150			170									150			170													
High Speed	Max. Injection Pressure	MPa	242	191	155	270	221	177	275	221	181	162	245	206	172	255	216	181	270	221	177	275	221	181	245	206	172	255	216	181		275	221	181	245	206	172	255	216	181		275	221	181	245	206	172	255	216	181					
		kgf/cm²	2470	1950	1580	2750	2250	1800	2800	2250	1850	1650	2500	2100	1750	2600	2200	1850	2750	2250	1800	2800	2250	1850	2500	2100	1750	2600	2200	1850		2800	2250	1850	2500	2100	1750	2600	2200	1850		2800	2250	1850	2500	2100	1750	2600	2200	1850					
	Max. Holding Pressure	MPa	218	172	139	243	199	159	247	199	163	146	221	185	154	229	194	163	243	199	159	247	199	163	221	185	154	229	194	163		247	199	163	221	185	154	229	194	163		247	199	163	221	185	154	229	194	163					
		kgf/cm²	2223	1755	1422	2475	2025	1620	2520	2025	1665	1485	2250	1890	1575	2340	1980	1665	2475	2025	1620	2520	2025	1665	2250	1890	1575	2340	1980	1665		2520	2025	1665	2250	1890	1575	2340	1980	1665		2520	2025	1665	2250	1890	1575	2340	1980	1665					
	Injection Rate	cm³/s	161	204	251	204	251	318	251	318	393	475	393	475	565	475	565	664	204	251	318	251	318	393	475	565	475	565	664		251	318	393	393	475	565	475	565	664		251	318	393	393	475	565	475	565	664						
	Injection Speed	mm/sec	200			200			200			200			200						200			200			200			200						200			200			200													
High Speed (option)	Max. Injection Pressure	MPa	242	191	155	240	191	152	275	221	181	162	245	206	172	255	216	181	240	191	152	275	221	181	245	206	172	255	216	181		275	221	181	245	206	172	255	216	181		275	221	181	245	206	172	255	216	181					
		kgf/cm²	2470	1950	1580	2450	1950	1550	2800	2250	1850	1650	2500	2100	1750	2600	2200	1850	2450	1950	1550	2800	2250	1850	2500	2100	1750	2600	2200	1850		2800	2250	1850	2500	2100	1750	2600	2200	1850		2800	2250	1850	2500	2100	1750	2600	2200	1850					
	Max. Holding Pressure	MPa	218	172	139	216	172	137	247	199	163	146	221	185	154	229	194	163	216	172	137	247	199	163	221	185	154	229	194	163		247	199	163	221	185	154	229	194	163		247	199	163	221	185	154	229	194	163					
		kgf/cm²	2223	1755	1422	2205	1755	1395	2520	2025	1665	1485	2250	1890	1575	2340	1980	1665	2205	1755	1395	2520	2025	1665	2250	1890	1575	2340	1980	1665		2520	2025	1665	2250	1890	1575	2340	1980	1665		2520	2025	1665	2250	1890	1575	2340	1980	1665					
	Injection Rate	cm³/s	402	509	628	509	628	795	628	795	982	1188	982	1188	1414	950	1131	1327	509	628	795	628	795	982	1188	1414	950	1131	1327		628	795	982	982	1188	1414	950	1131	1327		628	795	982	982	1188	1414	950	1131	1327						
	Injection Speed	mm/sec	500			500			500			500			400						500			500			500			400						500			500			400													
Charging	Plasticizing Capacity(PS)	kg/h	52	74	99	64	85	111	71	93	135	173	135	173	218	152	192	237	64	85	111	71	93	135	173	218	152	192	237	243	71	93	135	173	218	152	192	237	243	71	93	135	173	218	152	192	237	243							
	Screw Speed	rpm	~350			~300			~250			~250			~220			~300			~250			~250			~220			~250			~250			~220			~250			~250			~220			~220							

Full-electric Injection Molding Machine

WIZ-E SERIES



MAJOR SPECIFICATION

Model			WIZ450E												WIZ550E												WIZ650E												WIZ850E																	
Injection Unit Code			i16.7			i15.6			i24.8:1Single			i27.7			i37			i45			i27.7			i37			i45			i63.6			i37			i45			i63.6			i82.6			i37			i45			i63.6			i82.6		
Screw Type			Y	A	B	C	Y	A	B	Y	*A	B	Y	A	B	C	Y	A	B	Y	*A	B	C	Y	A	B	Y	A	B	Y	A	B	Y	A	B	Y	A	B	Y	A	B	Y	A	B	Y	A	B									
Screw Diameter		mm	55	60	65	70	65	70	75	65	70	80	70	75	85	90	65	70	80	70	75	85	90	85	90	100	70	75	85	90	85	90	100	100	105	115	70	75	85	90	85	90	100	100	105	115										
Screw Stroke		mm	270	270	270	270	345	345	345	385	385	385	420	420	420	420	385	385	385	420	420	420	420	500	500	500	420	420	420	420	500	500	500	530	530	530	420	420	420	420	500	500	500	530	530	530										
Injection Capacity Calculated		cm³	641	763	896	1039	1145	1328	1524	1278	1482	1935	1616	1856	2383	2672	1278	1482	1935	1616	1856	2383	2672	2837	3181	3927	1616	1856	2383	2672	2837	3181	3927	4163	4589	5505	1616	1856	2383	2672	2837	3181	3927	4163	4589	5505										
Injection Capacity	PS	g	590	702	824	956	1053	1221	1402	1175	1363	1780	1487	1707	2193	2458	1175	1363	1780	1487	1707	2193	2458	2610	2926	3613	1487	1707	2193	2458	2610	2926	3613	3830	4222	5065	1487	1707	2193	2458	2610	2926	3613	3830	4222	5065										
	PE	g	468	557	654	759	836	969	1113	933	1082	1413	1180	1355	1740	1951	933	1082	1413	1180	1355	1740	1951	2071	2322	2867	1180	1355	1740	1951	2071	2322	2867	3039	3350	4019	1180	1355	1740	1951	2071	2322	2867	3039	3350	4019										
Standard	Max. Injection Pressure	MPa	255	216	181	147	226	196	172	211	183	140	226	196	157	167	211	183	140	226	196	157	167	226	196	157	226	196	157	167	226	196	157	196	177	147	226	196	157	167	226	196	157	196	177	147										
		kgf/cm²	2600	2200	1850	1500	2300	2000	1750	2150	1870	1430	2300	2000	1600	1700	2150	1870	1430	2300	2000	1600	1700	2300	2000	1600	2300	2000	1600	1700	2300	2000	1600	2000	1800	1500	2300	2000	1600	1700	2300	2000	1600	2000	1800	1500										
	Max. Holding Pressure	MPa	229	194	163	132	203	177	154	190	165	126	203	177	141	150	190	165	126	203	177	141	150	203	177	141	203	177	141	150	203	177	141	177	159	132	203	177	141	150	203	177	141	177	159	132										
		kgf/cm²	2340	1980	1665	1350	2070	1800	1575	1935	1683	1287	2070	1800	1440	1530	1935	1683	1287	2070	1800	1440	1530	2070	1800	1440	2070	1800	1440	1530	2070	1800	1440	1800	1620	1350	2070	1800	1440	1530	2070	1800	1440	1800	1620	1350										
	Injection Rate	cm³/s	404	481	564	654	531	616	707	531	616	804	616	707	908	1018	531	616	804	616	707	908	1018	908	1018	1257	616	707	908	1018	908	1018	1257	1257	1385	1662	616	707	908	1018	908	1018	1257	1257	1385	1662										
	Injection Speed	mm/sec	170			160			160			160			160			160			160			160			160			160			160			160			160			160			160											
High Speed	Max. Injection Pressure	MPa	255	216	181		226	196	172	211	183	140	226	196	157		211	183	140	226	196	157		226	196	157		226	196	157	196	177	147	226	196	157		226	196	157	196	177	147													
		kgf/cm²	2600	2200	1850		2300	2000	1750	2150	1870	1430	2300	2000	1600		2150	1870	1430	2300	2000	1600		2300	2000	1600		2300	2000	1600	2000	1800	1500	2300	2000	1600		2300	2000	1600	2000	1800	1500													
	Max. Holding Pressure	MPa	229	194	163		203	177	154	190	165	126	203	177	141		190	165	126	203	177	141		203	177	141		203	177	141	177	159	132	203	177	141		203	177	141	177	159	132													
		kgf/cm²	2340	1980	1665		2070	1800	1575	1935	1683	1287	2070	1800	1440		1935	1683	1287	2070	1800	1440		2070	1800	1440		2070	1800	1440	1800	1620	1350	2070	1800	1440		2070	1800	1440	1800	1620	1350													
	Injection Rate	cm³/s	475	565	664		664	770	884	664	770	1005	770	884	1135		664	770	1005	770	884	1135		1135	1272	1571	770	884	1135		1135	1272	1571	1571	1732	2077	770	884	1135		1135	1272	1571	1571	1732	2077										
	Injection Speed	mm/sec	200			200			200			200			200			200			200			200			200			200			200			200			200			200														
High Speed (option)	Max. Injection Pressure	MPa	255	216	181		201	172	152	211	183	140	226	196	157		211	183	140	226	196	157				226	196	157							226	196	157																			
		kgf/cm²	2600	2200	1850		2050	1750	1550	2150	1870	1430	2300	2000	1600		2150	1870	1430	2300	2000	1600				2300	2000	1600							2300	2000	1600																			
	Max. Holding Pressure	MPa	229	194	163		181	154	137	190	165	126	203	177	141		190	165	126	203	177	141				203	177	141							203	177	141																			
		kgf/cm²	2340	1980	1665		1845	1575	1395	1935	1683	1287	2070	1800	1440		1935	1683	1287	2070	1800	1440				2070	1800	1440							2070	1800	1440																			
	Injection Rate	cm³/s	950	1131	1327		830	962	1104	830	962	1257	962	1104	1419		830	962	1257	962	1104	1419				962	1104	1419							962	1104	1419																			
	Injection Speed	mm/sec	400			250			250			250			250			250			250			250			250			250			250			250			250																	
Charging	Plasticizing Capacity(PS)	kg/h	152	192	237	243	215	256	309	215	256	360	256	309	415	487	215	256	360	256	309	415	487	311	365	490	256	309	415	487	311	365	490	490	551	687	256	309	415	487	311	365	490	490	551	687										
	Screw Speed	rpm	~220			~200			~200			~200			~200			~200			~150			~200			~150			~150			~200			~150			~150																	

CLAMPING UNIT

Clamping Force	ton(kN)	450(4420)	550(5390)	650(6374)	850(8,336)
Tie Bar Distance	mm	830 x 830	900 x 900	1060 x 960	1320 x 1120
Clamping Stroke	mm	800	900	1000	1200
Daylight	mm	1550	1700	2100	2500
Die Plate Dimension	mm	1200 x 1200	1335 x 1335	1500 x 1400	1870 x 1670
Mold Thickness	mm	350 ~ 750	400 ~ 800	450 ~ 1100	500 ~ 1300
Ejector Force	ton	10	13	18	24
Ejector Stroke	mm	180	200	220	240

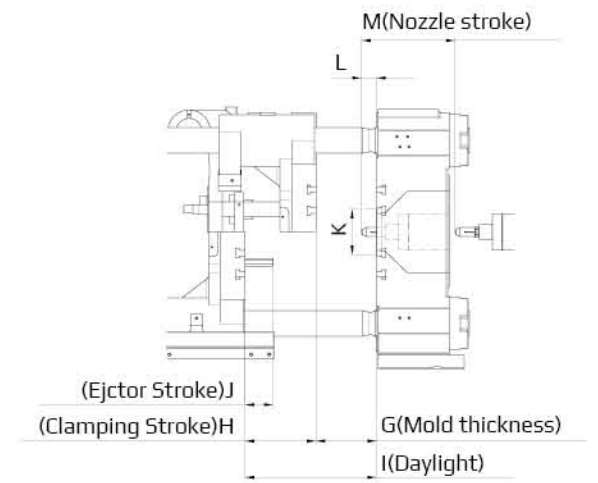
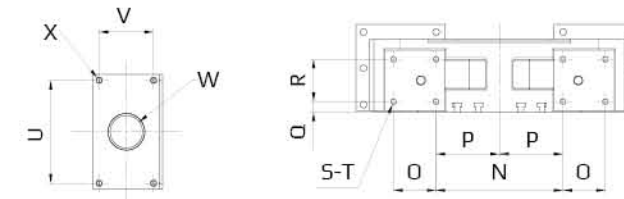
GENERAL

Heater	kw	24.1	28.8	23.3	23.3	26.6	38.2	23.3	26.6	38.2	47.4	26.6	38.2	47.4	65.3	26.6	38.2	47.4	65.3
Machine Dimension(LxWxH)	m	9.31 x 2.19 x 2.17	9.70x2.19 x2.17	9.78 x 2.19 x 2.17				10.01 x 2.38 x 2.17			10.31 x 2.38 x 2.17	10.69 x 2.48 x 2.19				11.21 x 2.94 x 2.42			
Machine Weight	ton	27.0		28.0		28.5	28.8	31.0	31.5	31.8	33.0	40.0	40.3	41.5	41.8	58.0	58.3	59.5	59.8

WIZ-E SERIES

The technical drawings illustrate the machine's dimensions. The front view (left) shows a rectangular unit with a central panel and two side panels. The side view (right) shows the machine's profile, including the control panel and the main body. The dimensions are labeled as follows:

- A**: Total width of the machine.
- B**: Total height of the machine.
- C**: Height of the main body.
- D**: Width of the central panel.
- E**: Width of the left side panel.
- F**: Width of the right side panel.



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
WIZ18E	2900	1100	1367	976	523	453	120~150	230	480	60	Ø100	50	230	100	-	-	45	40	4	M10	170	90	Ø41.6	M10
WIZ30E	3250	1100	1367	943	488	488	120~150	230	480	60	Ø100	50	230	100	-	-	45	40	4	M10	170	90	Ø41.6	M10
WIZ50E	3670	1145	1473	1057	572	486	150~350	270	590	70	Ø100	50	250	100	-	-	55	40	4	M10	170	90	Ø41.6	M10
WIZ80E	4173	1200	1633	1179	617	563	150~350	320	670	70	Ø100	50	350	280	105	-	35	70	8	M16	170	90	Ø41.6	M10
WIZ110E	4918	1203	1681	1313	684	629	200~410	350	760	120	Ø100	50	380	350	105	-	35	70	8	M16	170	90	Ø53.5	M10
WIZ170E	5422	1277	1853	1499	802	697	250~500	460	960	120	Ø100	50	380	420	140	-	35	140	8	M20	170	90	Ø53.5	M10
WIZ220E	6280	1297	1883	1704	935	770	270~550	560	1100	130	Ø100	50	460	560	140	-	35	140	8	M20	170	90	Ø62.3	M10
WIZ280E	6875	1379.5	2038	1864	1007	857	300~630	620	1250	140	Ø100	50	580	700	140	-	35	140	8	M20	170	90	Ø62.3	M10
WIZ350E	7545	1445	2203	1954	1055	900	350~700	720	1420	150	Ø100	50	580	700	140	-	35	140	8	M20	170	90	Ø62.3	M10
WIZ400E	7595	1445	2203	1954	1055	900	350~700	770	1520	150	Ø100	50	580	700	140	-	35	140	8	M20	170	90	Ø62.3	M10
WIZ450E	9697	1360	1995	2190	1141	1049	350~750	800	1550	180	Ø100	50	830	-	-	200	70	250	6	M20	280	190	Ø69.0	M16
WIZ550E	10007	1360	2037.5	2377	1234	1143	400~800	900	1700	200	Ø100	50	830	-	-	200	70	250	6	M20	280	190	Ø73.0	M16
WIZ650E	10687	1360	2189	2483	1242	1242	450~1100	1000	2100	220	Ø100	50	830	-	-	560	70	105/105	9	M24	280	190	Ø73.0	M16
WIZ850E	11173	1480	2416	2943	1472	1472	500~1300	1200	2500	240	Ø120	50	830	-	280	560	70	105/105	15	M24	280	190	Ø73.0	M16



Overseas Sales Head Office

7F, LS Mtron Hi-Tech Center, 39, LS-ro 116beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14118, Korea
Tel : +82-31-8045-9758

USA Sales Head Office

6670 Jones Mill Ct, Suite G
Peachtree Corners, GA 30092
Tel : +1 678-395-4389, 770-674-7446 Fax : 770-696-5361

LS Machinery CHINA

LS Industrial Park, Lexing Road, National High-tech Industrial development Zone, Wuxi, Jiangsu 214028 CN
Tel : +86-510-8299-3877

P.T LS Mtron Machinery INDONESIA

Jl. Samsung 2 Blok D3A Jababeka UKM Center Segitiga Emas, Cikarang Utara, Bekasi 17550
Tel : +62-812-1812-4819

LS Mtron BRASIL

Rua Doutor Melo Nogueira, 105-Sala 715, Vila Baruel-Sao Paulo-SP-Brazil, 02510-040
Tel : +55-11-5052-1052

LS Mtron POLAND

Ul, Legnicka 17/7, 53-671 Wroclaw Poland
Tel : +48-71-349-77-58

LS Mtron Vietnam

Charmvit Tower 10F #17 117 Tran Duy Hung Street, Cau Giay District, Hanoi, Vietnam
Tel : +84 24-3201-1572~3



OHSAS18001

