



KEBA Top class control system + Smart Take out Robot

EPIK Series



ISO 9001:2008
ISO 14001:2015





[World's top class controller]

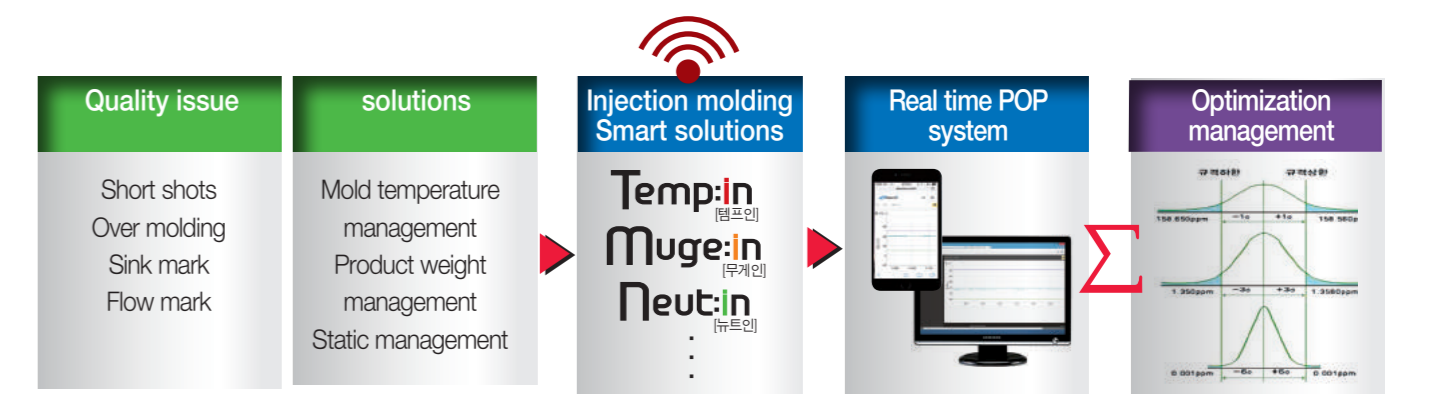
- Convenient**
- 1. easy & convenient motion control**
 - Three modes of motion control(easy, teaching, program). Easy motion control depends on level of difficulty.
 - 2. motion simulation available**
 - create robot motion from PC by 3D simulation and check
 - 3. motion setting by using image**
 - by using product picture saved in mold file, operator can identify mold files easily. Easy loading operation by using image in loading operation setting
 - 4. Compatible teaching pendant**
 - If, teaching pendant is down, either PC or another spare pendant can be used

- Economical**
- 1. Energy conservation**
 - minimize power use by automatic servo sleep function [25%↓] (save 25% or more energy)
 - 2. Shorten cycle time by vibration control [50%↓]**
 - by using special motion algorithm(save 50% or more vibration setting time)
 - a. by calculating shortest moving distance automatically,
 - b. execute smooth motion by calculating shortest moving distance
 - 3. Reduce setting time**
 - configure standard motion mode in shortest time by using three modes of motion control
 - 4. Optimized Injection molding control by adding convergence system**
 - quality control by injection molding total solution
 - 5. Multi control function enables integrated control**
 - max 4 robot and auxiliary equipment can be controlled with single controller

- Safety**
- 1. Mold collision protection**
 - protect robot and mold collision by setting mold protect area.
 - 2. Ejector interlock function**
 - while ejector move forward, robot arms automatically move backward to protect pins and increase robot durability

- Expandable**
- 1. Remote monitoring system by IOT**
 - real time operation check by integration with network
 - 2. expand and integrate with injection molding function.**
 - improve product quality control by adding weight detection, temperature detection, vision, and etc.

[Real time Injection Molding Smart Solution with Internet of Things technology]



Weight Detection(Muge:In)

- automatic weight detection while take out products from IMM(fool proof function)
- Real time weight check through POP/Mobile System

Electrostatic Elimination(Neut:In)

- eliminate electrostatic from product surface to prevent defect by dust
- 95% or more electrostatic removal by 1 or 2 second operation(100v or less)

Temperature Detection(Temp:In)

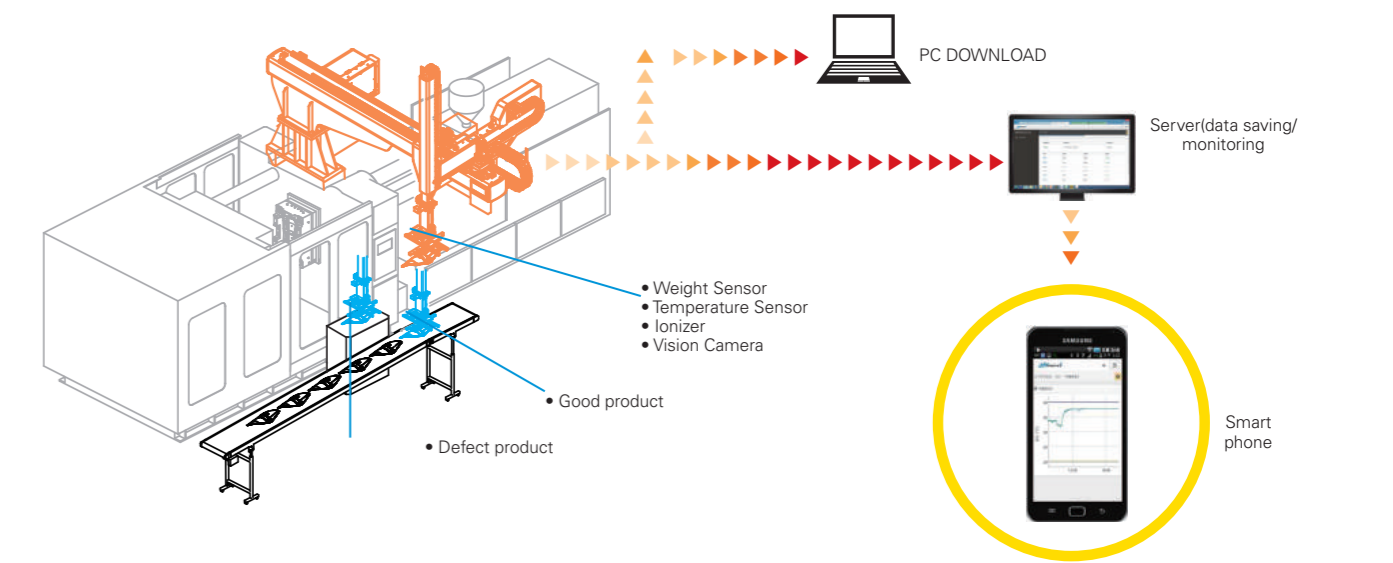
- automatic temperature check while take out products from IMM
- Real time temperature check through POP/ Mobile System

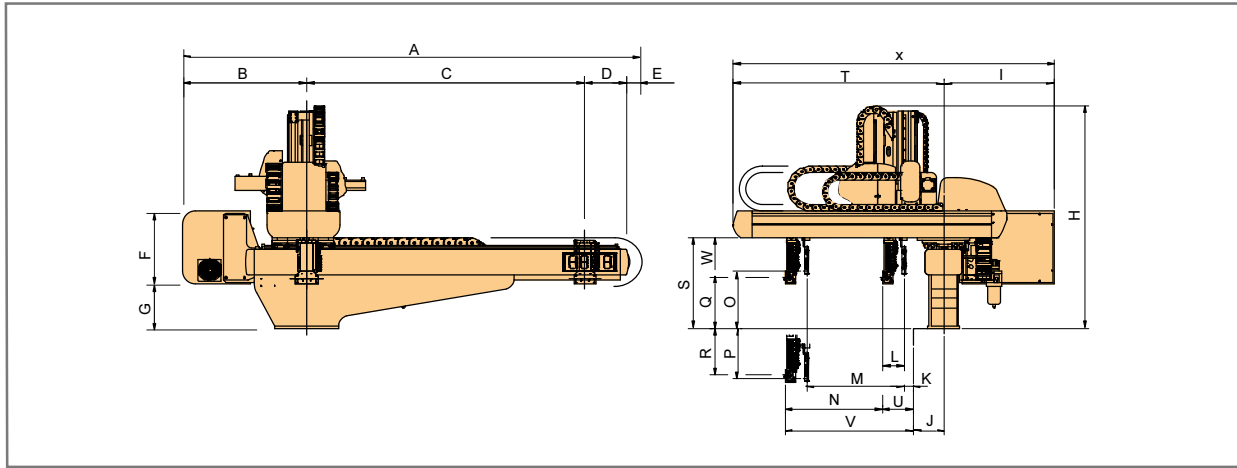
Vision System ^{New}

- By using vision camera, detect molds or products defects

Remote monitoring system ^{New}

- Real time operation check from smart phone or server, and notify to operators





Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
EPIK-V-200S (2757)	745	1500 (1700)	275	37	400	280	1318	558	165	-	-	-	634	-	-	286	514	530	1135	52	686	244	1691	
[2957]																				186				
EPIK-V-300S (2757)	745	1500 (1700)	275	37	400	280	1397	558	165	-	-	-	814	-	-	286	684	530	1315	52	686	244	1871	
[2957]																				186				
EPIK-400S (3059)	760	1700 (2000)	285	14	400	280	1480	558	185	-	-	-	935	-	-	138	962	530	1435	32	967	392	1991	
[3059]																				167				
EPIK-E-600S	3102	765	2000	305	32	400	382	1662	558	205	-	-	-	1110	-	-	178	1122	632	1653	52	1162	454	2209
[E-600D]																					157			
EPIK-E-800S	3580	785	2500	285	-	400	314	1955	581	235	-	-	-	1150	-	-	81	1519	632	1806	98	1248	550	2387
[E-800D]																					230			
EPIK-E-1300S	4145	770	3000	375	-	400	444	2199	608	255	-	-	-	1585	-	-	139	1682	753	2259	122	1707	615	2895
EPIK-E-2000S	4765	825	3500	440	-	400	545	2593	631	290	-	-	-	1640	-	-	179	1821	927	2548	287	1927	748	3179
EPIK-600S	3100 (3600)	785	2000 (2500)	315	-	400	314	1788	580	205	-	-	-	1110	-	-	178	1122	632	1888	51	1161	454	2288
[600D]																					256			
EPIK-800S	3585 (4085)	770	2500 (3000)	315	-	400	444	2071	606	235	-	-	-	1150	-	-	199	1401	753	1779	98	1248	554	2395
[800D]																					308			
EPIK-I-300S	4285 (4795)	915	3000 (3500)	380	-	400	565	2466	631	255	-	-	-	1585	-	-	179	1621	927	2293	122	1707	748	2924
EPIK-2000S	5015 (5515)	963	3500 (4000)	553	-	1194	160	2781	1175	290	-	-	-	1680	-	-	300	1800	1082	2876	286	1966	792	3851
EPIK-2500S	5821 (6321)	1135	4000 (4500)	615	72	1194	180	3009	1225	340	-	-	-	1900	-	-	325	2175	1101	2977	289	2189	776	4202
EPIK-3000S	5899 (6399)	1068	4000 (4500)	628	203	1194	230	3548	1275	385	-	-	-	2240	-	-	417	2583	1257	3605	377	2817	840	4880

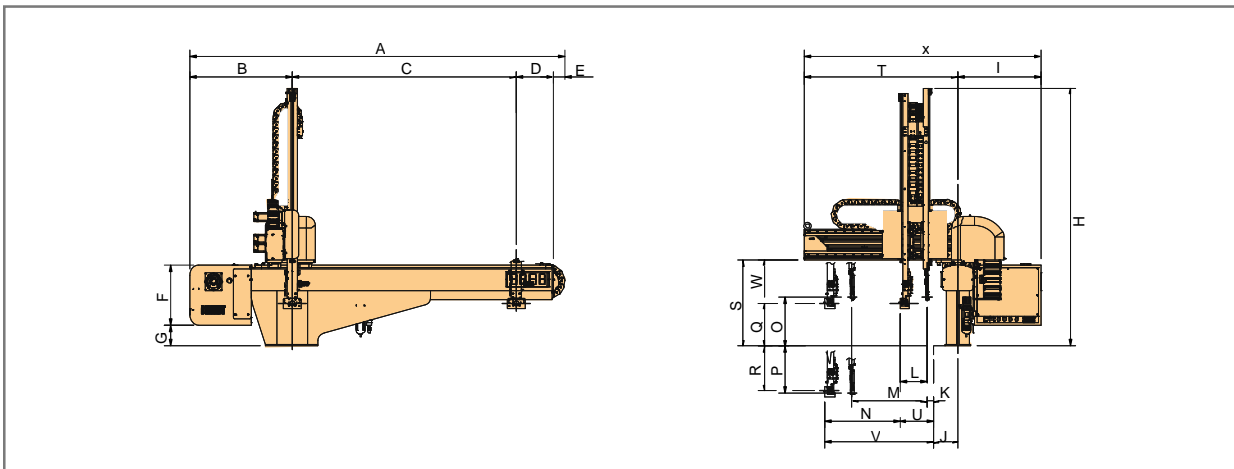
() L Type, [] LL Type

Technical specification

Power source	Driving method	Control method	Air consumption	Max Air consumption	Wrist Rotation Unit
Single/three phase ac 220v(50/60hz)	Digital servo motor	Micro computer	6 kgf/cm2	8 kgf/cm2	90°

Model	Traverse Unit			Vertical Unit		Kick Unit		Maximum Power consumption	Air consumption [(normal)/Cycle]	Maximum handling capacity
	Standard	L-Type	LL-Type	Main Arm	Sub Arm	Main Arm	Sub Arm			
EPIK-V-200S	1500	1700	1700	800	-	635	-	Single(1Phase) AC220V S: 11.6A / D: 15.7A	7	5 kgf
EPIK-V-200D					750	500	500			
EPIK-V-300S					-	815	-			
EPIK-V-300D	1500	1700	1900	950	850	680	680	Single(1Phase) AC220V S: 11.6A / D: 15.7A	7	5 kgf
EPIK-400S					-	935	-			
EPIK-400D					950	800	800			
EPIK-E-600S	2000	-	-	1300	1110	-	-	Single(1Phase) AC220V S: 11.6A / D: 15.7A	16	10 kgf
EPIK-E-600D					1005	1050	-			
EPIK-E-800S					1150	-	-			
EPIK-E-800D	2500	-	-	1600	1019	1019	-	Single(1Phase) AC220V S: 11.6A / D: 15.7A	22	13kgf
EPIK-E-1300S					1800	1585	-			
EPIK-E-2000S					2100	1640	-			
EPIK-600S	2000	2500	-	1300	-	1110	-	Single(1Phase) AC220V S: 11.6A / D: 15.7A	16	10 kgf
EPIK-600D					1300	905	905			
EPIK-800S					1600	1150	-			
EPIK-800D	2500	3000	-	1600	-	940	940	Single(1Phase) AC220V S: 11.6A / D: 15.7A	22	15 kgf
EPIK-1300S					1800	1585	-			
EPIK-2000S					2100	1680	-			
EPIK-2500S	4000	4500	-	2500	-	1900	-	Three phase(3Phase) AC220V / 16.7A	92	50 kgf
EPIK-3000S	4000	4500	-	3000	-	2240	-	Three phase(3Phase) AC220V / 20.6A	100	80 kgf

All information is subject to change without notice.



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
UNIK-80S	2114 (2314)	600	1200 (1400)	218	96	350	234	1356	442	100	-	-	-	585	-	-	150	500	419	928	80	665	269	1370
UNIK-80D											81	134	450	450	175	526					215			
UNIK-200S	2509 (2709)	686	1500 (1700)	244	80	400	141	1722	552	165	-	-	-	680	-	-	288	512	576	1027	64	724	288	1579
UNIK-200D	2509 (2709)	686	1500 (1700)	244	80	400	141	1722	552	165	42	182	500	500	328	522					224			
UNIK-300S	2509 (2709)	686	1500 (1700)	244	80	400	141	1822	552	165	-	-	-	835	-	-	288	662	576	1207	64	889	288	1759
UNIK-300D	2509 (2709)	686	1500 (1700)	244	80	400	141	1822	552	165	42	182	675	675	328	622					224			
UNIK-400S	2714 (3014)	686	1700 (2000)	244	85	400	141	1972	552	165	-	-	-	835	-	-	288	812	576	1207	64	899	286	1759
UNIK-400D	2714 (3014)	686	1700 (2000)	244	85	400	141	1972	552	165	42	182	675	675	328	772					224			
UNIK-II-200S	2470 (2670)	762	1500 (1700)	188	20	400	95	1288	552	165	-	-	-	640	-	-	286	514	530	1207	46	686	244	1579
UNIK-II-200D	2470 (2670)	762	1500 (1700)	188	20	400	95	1288	552	165	62	124	500	500	353	498					186			
UNIK-II-300S	2470 (2670)	762	1500 (1700)	188	20	400	95	1388	552	165	-	-	-	820	-	-	286	664	530	1207	46	686	244	1759
UNIK-II-300D	2470 (2670)	762	1500 (1700)	188	20	400	95	1388	552	165	62	124	680	680	353	596					186			
UNIK-II-400S	2714 (3014)	762	1700 (2000)	188	65	400	95	1438	552	165	-	-	-	986	-	-	138	962	530	1327	46	886	392	1879
UNIK-II-400D	2714 (3014)	762	1700 (2000)	188	65	400	95	1438	552	165	62	124	800	800	209	891					188			

() L Type, [] LL Type

Technical specification

Power source	Driving method	Control method	Air consumption	Max Air consumption	Wrist Rotation Unit
Single/three phase ac 220v(50/60hz)	Digital servo motor	Micro computer	6 kgf/cm ²	8 kgf/cm ²	90°

Model	Travel Unit			Vertical Unit		Kick Unit		Maximum Power consumption	Air consumption [(normal)/Cycle]	Maximum handling capacity
	Standard	L Type	LL Type	Main Arm	Sub Arm	Main Arm	Sub Arm			
UNIK-80S	1200	1400	-	650	-	585	-	Single /AC 220V S: 6.8A /D: 10.9A	6	3 kgf below
UNIK-80D					700	450	450			
UNIK-200S	1500	1700	1900	800	-	660	-	Single /AC 220V S: 11.6A /D: 15.7A	6	5 kgf below
UNIK-200D					850	500	500			
UNIK-300S	1500	1700	1900	950	-	835	-	Single /AC 220V S: 11.6A /D: 15.7A	7	5 kgf below
UNIK-300D					950	675	675			
UNIK-400S	1700	2000	-	1100	-	835	-	Single /AC 220V S: 11.6A /D: 15.7A	7	5 kgf below
UNIK-400D					1100	675	675			
UNIK-II-200S	1500	1700	1900	-	-	640	-	Single /AC 220V S: 11.6A /D: 15.7A	6	5 kgf below
UNIK-II-200D					850	500	500			
UNIK-II-300S	1500	1700	1900	-	-	820	-	Single /AC 220V S: 11.6A /D: 15.7A	7	5 kgf below
UNIK-II-300D					950	680	680			
UNIK-II-400S	1700	2000	-	-	-	986	-	Single /AC 220V S: 11.6A /D: 15.7A	7	5 kgf below
UNIK-II-400D					1100	800	800			



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