SD SERIES

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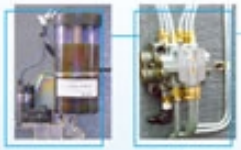
Oil-less Bearing

Oil-less bearing on the moving parts of platen and toggle, greatly reduces maintenance cost, and provides for a cleaner production environment.

All-new Control System

KEBA i2880, with its 12" high resolution Touch Screen and ultra-fast scan time for high repeatability and quick responses, is a high-end controller.



Automatic Lubrication System

An automatic lubrication system circulates and distributes oil equally for greater efficiency in lubrication and enhanced toggle life.

Highly Rigid Structure Frame

Designed based on Finite Element Analysis (FEA) for Stress and Strain effects to ensure the SD's excellent frame structure.

New Patented Injection Sliding Structure

The new pillar guiding plate structure is shortened to avoid barrel inclination and deformation. And with Molybdenum Disulfide coated bushings, it produces a less resistant, faster moving, very clean, oil free injection sliding structure.

Digital Back Pressure Installation

The back pressure can be directly changed and set on the controller for easy operation.

CE

Product Specifications (Servo Power-Saving System)

	ITEMS		UNITS	SD-30	SD-60	SD-100	SD-125	SD-150	SD-200	SD-250	SD-300	SD-350
Injection unit	Screw diameter		mm	18 20 22	22 24 26	30 34 40	34 40 44	40 44 50	44 50 54	50 54 62	54 62 68	62 68 75
	Screw stroke		mm	90	110	150	180	200	225	240	280	306
	Theoretical shot volume		cm³	23 28 34	42 50 58	106 136 188	163 226 274	251 304 393	342 442 515	471 549 724	641 845 1016	923 1111 1351
	Shot weight of injection (PS)		gram	21 26 31	38 45 53	96 124 171	149 206 249	229 277 357	311 402 469	429 500 659	583 769 925	840 1011 1230
	Injection pressure	I	kgf/cm²	3252 2634 2177	2668 2242 1911	1890 1471 1063	1938 1400 1157	1785 1475 1142	1633 1420 1217	1971 1690 1282	2000 1517 1261	1834 1524 1253
	Injection speed	I	mm/sec	226	184	132	158	125	101	115	98	100
	Injection rate	I	cm³/sec	57 71 86	70 83 98	93 120 166	144 199 240	157 191 246	154 199 232	226 264 348	224 295 355	301 362 440
	Injection pressure	II	kgf/cm²	-	-	2481 1932 1396	2471 1785 1475	2205 1822 1411	2224 1722 1476	2500 2144 1626	2497 1894 1574	2387 1985 1631
	Injection speed	II	mm/sec	-	-	106	130	105	86	95	82	81
	Injection rate	II	cm³/sec	-	-	75 97 134	118 163 198	132 160 207	131 169 198	187 218 287	187 246 296	244 294 358
Mold clamping unit	Mold clamping force		tonf	30	60	100	125	150	200	250	300	350
	Mold clamping stroke		mm	230	260	350	410	460	510	550	600	645
	Mold thickness		mm	100~300	120~360	100~430	120~490	130~550	200~610	200~670	200~730	200~790
	Suggested min. mold dim. (HxV)		mm	170x170	200x200	234x234	267x267	299x299	332x332	364x364	397x397	429x429
	Distance between tie bars (HxV)		mm	260x260	310x310	355x355	405x405	460x460	505x505	555x555	605x605	680x680
	Mold platen (HxV)		mm	380x380	460x460	525x525	600x600	670x670	745x745	820x820	894x894	969x969
	Ejector stroke		mm	50	60	90	100	110	130	150	185	200
	Ejector force		tonf	1.8	2.2	2.7	2.7	4.0	4.0	5.4	8.9	11.0
Electrical equipment	Max.pump driving motor		kW(380V)	11	11	11	15	15	15	25	25	30
	Temperature controller		set	4	4	4	4	4	5	5	6	6
	Heater capacity		kW	3.4	4.3	6.4	8.8	11.4	14.2	16.5	19.8	23.1
Others	Machine dimensions (LxWxH)		mm	4100x1100x1600	4300x1200x1600	4410x1250x1580	4750x1310x1670	5305x1380x1730	5910x1480x1830	6520x1550x1930	6960x1660x2000	7600x1730x2070
	Oil tank capacity		liter	160	200	210	240	270	340	460	560	700
	Machine weight		ton	2	3	3.5	4.5	5.5	7.5	11	12	14
	Max. system pressure		kgf/cm²	140	140	140	140	140	140	140	140	140

	ITEMS		UNITS	SD-400	SD-470	SD-530	SD-600	SD-750	SD-850	SD-1000	SD-1250	SD-1420
Injection unit	Screw diameter		mm	62 68 75	68 75 80	75 85 95	75 85 95	85 95 105	95 100 110	100 110 120	110 120 130	120 130 140
	Screw stroke		mm	306	340	420	420	430	450	495	540	585
	Theoretical shot volume		cm³	923 1111 1351	1234 1501 1708	1855 2382 2976	1855 2382 2976	2439 3046 3721	3188 3533 4274	3886 4702 5596	5129 6104 7164	6613 7761 9001
	Shot weight of injection (PS)		gram	840 1011 1230	1123 1366 1554	1688 2168 2708	1688 2168 2708	2219 2772 3387	2901 3215 3890	3536 4279 5092	4668 5555 6519	6018 7062 8191
	Injection pressure	I	kgf/cm²	1834 1524 1253	1960 1603 1409	1968 1532 1227	1968 1532 1227	1959 1568 1263	1752 1581 1307	1714 1416 1190	1646 1383 1179	1672 1425 1229
	Injection speed	I	mm/sec	100	103	103	103	91	95	100	98	95
	Injection rate	I	cm³/sec	301 362 440	373 454 517	455 584 730	455 584 730	515 643 786	670 743 899	787 953 1134	932 1110 1302	1078 1265 1467
	Injection pressure	II	kgf/cm²	2387 1985 1631	2440 2006 1763	2466 1920 1537	2466 1920 1537	2445 1957 1602	2199 1985 1640	2117 1749 1470	2008 1687 1438	2053 1750 1509
	Injection speed	II	mm/sec	81	86	86	86	76	79	84	83	80
	Injection rate	II	cm³/sec	244 294 358	311 378 430	379 486 607	379 486 607	430 537 655	557 617 747	661 800 952	790 940 1104	909 1067 1237
Mold clamping unit	Mold clamping force		tonf	400	470	530	600	750	850	1000	1250	1420
	Mold clamping stroke		mm	660	730	800	900	1000	1000	1100	1275	1450
	Mold thickness		mm	250~800	250~800	350~900	300~1100	350~1100	350~1200	400~1300	450~1400	500~1500
	Suggested min. mold dim. (HxV)		mm	475x475	475x475	525x525	560x560	625x625	625x625	690x690	790x790	845x845
	Distance between tie bars (HxV)		mm	730x730	820x800	840x830	880x880	980x980	1060x1010	1160x1110	1260x1210	1320x1320
	Mold platen (HxV)		mm	1080x1080	1200x1185	1240x1220	1310x1310	1440x1440	1460x1460	1600x1600	1740x1740	1980x1980
	Ejector stroke		mm	195	215	220	220	240	260	300	320	340
	Ejector force		tonf	11.0	11.9	15.6	15.6	15.6	17.2	21.5	21.5	24.7
Electrical equipment	Max.pump driving motor		kW(380V)	30	40	50	50	55	65	75	86	100
	Temperature controller		set	6	7	8	8	8	8	8	8	9
	Heater capacity		kW	23.1	28.2	35.2	35.2	41.7	47.2	51.3	65.2	76.1
Others	Machine dimensions (LxWxH)		mm	7900x1780x2100	9280x1950x2210	10900x2070x2220	9780x2010x2150	11700x2290x2110	12700x2430x2210	13800x2400x2420	14540x2600x2590	14650x2970x2750
	Oil tank capacity		liter	800	800	1180	1180	1270	1510	1830	1960	2400
	Machine weight		ton	16	21	25	29	36.4	45.2	50.8	66	80
	Max. system pressure		kgf/cm²	140	140	140	140	140	140	140	140	140

The features are for your reference only. Due to continuous improvements, we reserve the right to amend any of the above specifications without prior notice.

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目錄編號：SD-2017-03-TWE