

## SE-Series All-Electric Specifications

English Units

### High-Duty Series



SEEV-AHD  
247 to 562 U.S. tons



SE-EV-HD  
112 to 202 U.S. tons

### High-Speed Series



SE7M  
8 U.S. tons



SE-DUZ  
20 to 33 U.S. tons



SEEV-A  
56 to 202 U.S. tons



SE-HSZ  
242 to 385 U.S. tons



SE-HSZ PACK  
308 to 385 U.S. tons

## SE-SERIES HIGH-SPEED ALL-ELECTRIC MACHINES (English Units)

MODEL	CLAMPING UNIT							INJECTION UNIT							MISCELLANEOUS			MODEL	
	Clamp force (U.S. tons)	Tiebar clearance (HxV) (in)	Overall platen size (HxV) (in)	Opening stroke max. (in)	Mold space min.-max. (in)	Ejector force stroke (U.S. tons/in)	Mold O/C speed max. (in/sec)	Plasticizing unit	Screw diameter (mm)	Injection weight (oz – PS)	Injection speed max. (in/sec)	Injection capacity (in <sup>3</sup> )	Injection pressure (p.s.i.)	Injection rate (in <sup>3</sup> /sec)	Plasticizing capacity (lb/hr)	Machine dimensions (LxWxH) (in)	Weight (U.S. tons)		Capacity of main breaker(s) (amps)
SE7M	7.7	7.17 x 6.10	10.83 x 8.66	5.12	4.33 – 6.69	0.55 / 1.18	39.4	C12	14	0.2	11.8	0.38	28,426	2.81	7.3	78 x 29 x 58	1	60 @ 208V	SE7M
SE18DUZ	20	10.23 x 9.25	13.97 x 13.97	6.3	5.12 – 9.84	0.88 / 1.97	47.2	C30S	14 / 16	0.2 / 0.4	19.7	0.38 / 0.67	32,420 / 38,588	4.70 / 6.16	11.2 / 20.9	95 x 30 x 60	1.3	60 @ 230V	SE18DUZ
									18 / 20	0.5 / 0.6		0.85 / 1.04	30,490 / 24,690	7.75 / 9.58	28.6 / 35.2				
SE30DUZ	33	12.20 x 11.41	17.32 x 16.54	9.05	5.90 – 11.80	0.88 / 1.97	47.2	C50S	18 / 20 / 22	0.6 / 0.8 / 0.9	19.7	1.2 / 1.4 / 1.7	38,110 / 30,860 / 25,460	7.8 / 9.6 / 11.6	22 / 29 / 40	126 x 35 x 66	2.0	75 @ 230V	SE30DUZ
								C75S	20 / 22 / 25	0.9 / 1.1 / 1.5		1.7 / 2.0 / 2.6	39,250 / 32,420 / 25,030	9.6 / 11.6 / 15.0	29 / 40 / 57				
SE50EV-A	56	14.17 x 14.17	19.69 x 19.69	9.84	6.30 – 13.78	2.36 / 2.76	47.2	C65S	18 / 20 / 22 / 25	0.7 / 0.8 / 1.0 / 1.3	21.7	1.2 / 1.5 / 1.8 / 2.3	39,740 / 38,435 / 31,908 / 24,658	8.5 / 10.6 / 12.8 / 16.5	22 / 29 / 40 / 57	142 x 43 x 66	2.6	100 @ 230V	SE50EV-A
								C110S	22 / 25 / 28	1.3 / 1.7 / 2.2	19.7	2.4 / 3.1 / 3.9	39,740 / 30,748 / 25,237	11.6 / 15.0 / 18.8	40 / 57 / 82		2.6		
								C160S	25 / 28 / 32	1.7 / 2.2 / 2.8	15.7	3.1 / 3.9 / 5.1	39,740 / 31,618 / 24,221	12.0 / 15.0 / 19.6	57 / 82 / 117		2.8		
SE75EV-A	84	16.54 x 16.54	22.83 x 22.83	11.81	6.30 – 16.14	2.92 / 3.15	47.2	C110S	22 / 25 / 28	1.3 / 1.7 / 2.2	19.7	2.4 / 3.1 / 3.9	39,740 / 30,748 / 25,237	11.6 / 15.0 / 18.8	40 / 57 / 82	165 x 45 x 67	3.4	125 @ 230V	SE75EV-A
								C160S	25 / 28 / 32	1.7 / 2.2 / 2.8	15.7	3.1 / 3.9 / 5.1	39,740 / 31,618 / 24,221	12.0 / 15.0 / 19.6	57 / 82 / 117	165 x 45 x 67	3.5		
								C250M	28 / 32 / 36	2.9 / 3.8 / 4.8	13.8	5.2 / 6.9 / 8.7	41,191 / 31,473 / 24,801	13.2 / 17.1 / 21.7	82 / 117 / 168	165 x 45 x 70	3.6		
SE100EV-A	112	18.11 x 18.11	25.59 x 25.59	13.78	7.09 – 17.72	3.60 / 3.94	47.2	C110S	22 / 25 / 28	1.3 / 1.7 / 2.2	19.7	2.4 / 3.1 / 3.9	39,740 / 30,748 / 25,237	11.6 / 15.0 / 18.8	40 / 57 / 82	177 x 47 x 70	4.4	125 @ 230V	SE100EV-A
								C160S	25 / 28 / 32	1.7 / 2.2 / 2.8	15.7	3.1 / 3.9 / 5.1	39,740 / 31,618 / 24,221	12.0 / 15.0 / 19.6	57 / 82 / 117	177 x 47 x 70	4.5		
								C250M	28 / 32 / 36	2.9 / 3.8 / 4.8	13.8	5.2 / 6.9 / 8.7	41,191 / 31,473 / 24,801	13.2 / 17.1 / 21.7	82 / 117 / 168	177 x 47 x 72	4.7		
								C360M	32 / 36 / 40	4.4 / 5.5 / 6.8		7.9 / 9.9 / 12.3	39,595 / 31,183 / 25,382	17.1 / 21.7 / 26.9	117 / 168 / 223	177 x 47 x 72	4.9		
SE130EV-A	146	20.08 x 20.08	28.35 x 28.35	15.75	7.09 – 17.72	3.60 / 3.94	47.2	C160S	25 / 28 / 32	1.7 / 2.2 / 2.8	15.7	3.1 / 3.9 / 5.1	39,740 / 31,618 / 24,221	12.0 / 15.0 / 19.6	57 / 82 / 117	186 x 51 x 72	5.5	150 @ 230V	SE130EV-A
								C250M	28 / 32 / 36	2.9 / 3.8 / 4.8	13.8	5.2 / 6.9 / 8.7	41,191 / 31,473 / 24,801	13.2 / 17.1 / 21.7	82 / 117 / 168	186 x 51 x 74	5.7		
								C360M	32 / 36 / 40	4.4 / 5.5 / 6.8		7.9 / 9.9 / 12.3	39,595 / 31,183 / 25,382	17.1 / 21.7 / 26.9	117 / 168 / 223	186 x 51 x 74	5.8		
								C450M	36 / 40 / 45	5.5 / 6.8 / 8.6		9.9 / 12.3 / 15.5	37,565 / 30,313 / 23,931	21.7 / 26.9 / 34.0	168 / 223 / 300	186 x 51 x 78	6.0		
SE180EV-A	202	22.05 x 22.05	31.50 x 31.30	17.72	7.87 – 19.69	5.06 / 4.72	47.2	C250M	28 / 32 / 36	2.9 / 3.8 / 4.8	13.8	5.2 / 6.9 / 8.7	41,191 / 31,473 / 24,801	13.2 / 17.1 / 21.7	82 / 117 / 168	202 x 54 x 76	7.1	175 @ 230V	SE180EV-A
								C360M	32 / 36 / 40	4.4 / 5.5 / 6.8		7.9 / 9.9 / 12.3	39,595 / 31,183 / 25,382	17.1 / 21.7 / 26.9	117 / 168 / 223	202 x 54 x 76	7.2		
								C450M	36 / 40 / 45	5.5 / 6.8 / 8.6		9.9 / 12.3 / 15.5	37,565 / 30,313 / 23,931	21.7 / 26.9 / 34.0	168 / 223 / 300	202 x 54 x 79	7.3		
								C560M	40 / 45 / 50	6.8 / 8.6 / 10.7		12.3 / 15.5 / 19.2	39,740 / 31,328 / 25,382	26.9 / 34.0 / 41.9	223 / 300 / 425	202 x 54 x 79	7.5		
SE220HSZ	242	24.02 x 22.05	34.65 x 32.68	21.65	11.81 – 22.83	6.61 / 5.91	51.2	C560M	28 / 32 / 36	2.9 / 4.4 / 5.5	13.8	5.2 / 7.9 / 9.9	42,185 / 40,183 / 39,611	13.2 / 17.1 / 21.7	82 / 117 / 168	253 x 62 x 81	11.1	225 @ 230V	SE220HSZ
									40 / 45 / 50	6.8 / 8.7 / 10.7		12.2 / 15.5 / 19.2	40,040 / 31,460 / 25,454	26.9 / 34.0 / 41.9	223 / 300 / 425				
									C900L	45 / 50 / 56		11.1 / 13.8 / 17.3	13.8	20.1 / 24.8 / 31.1	38,830 / 31,434 / 25,033				
SE280HSZ	308	26.97 x 25.00	37.40 x 34.84	23.62	13.78 – 24.41	6.61 / 5.91	51.2	C900L	45 / 50 / 56	11.1 / 13.8 / 17.3	13.8	20.1 / 24.8 / 31.1	38,830 / 31,434 / 25,033	34.0 / 41.9 / 52.6	328 / 445 / 542	284 x 66 x 89	14.3	225 @ 230V	SE280HSZ
								C1250L	50 / 56 / 63	15.2 / 19.1 / 24.2	13.8	27.3 / 34.3 / 43.4	39,825 / 31,718 / 25,033	41.9 / 52.6 / 66.6	445 / 542 / 639	284 x 66 x 89	15.1		
SE350HSZ	385	29.92 x 27.95	42.13 x 40.16	27.56	15.75 – 26.38	6.61 / 5.91	51.2	C1250L	50 / 56 / 63	15.2 / 19.1 / 24.2	13.8	27.3 / 34.3 / 43.4	39,825 / 31,718 / 25,033	41.9 / 52.6 / 66.6	445 / 542 / 639	296 x 70 x 89	19.7	225 @ 230V	SE350HSZ
								C1700L	63 / 71	26.3 / 33.4	13.8	47.2 / 59.9	31,291 / 24,606	66.6 / 84.6	639 / 721	296 x 70 x 89	20.0		
SE280HSZ – PACK	308	26.97 x 25.00	37.40 x 34.84	23.62	13.78 – 28.35	11.02 / 5.91	51.2	C1250L	50 / 56 / 63	15.2 / 19.1 / 24.2	25.6	27.3 / 34.3 / 43.4	39,825 / 31,718 / 25,033	77.9 / 97.7 / 123.6	445 / 602 / 639	309 x 67 x 91	16.9	225 @ 230V	SE280HSZ – PACK
								C1700L	63 / 71	26.3 / 33.4		47.2 / 59.9	31,291 / 24,606	123.6 / 157.0	639 / 825	309 x 67 x 91	17.1		
SE350HSZ – PACK	385	29.92 x 27.95	42.13 x 40.16	27.56	15.75 – 30.31	11.02 / 5.91	51.2	C1700L	63 / 71	26.3 / 33.4	25.6	47.2 / 59.9	31,291 / 24,606	123.6 / 157.0	639 / 825	324 x 71 x 89	20.8	225 @ 230V	SE350HSZ – PACK
								C2500L	71 / 80	38.8 / 49.2	21.7	69.6 / 88.4	33,283 / 26,171	132.9 / 168.7	825 / 970	324 x 71 x 89	20.9		

Note: Specifications subject to change without notice.

## SE-SERIES HIGH-DUTY ALL-ELECTRIC MACHINES (English Units)

MODEL	CLAMPING UNIT							INJECTION UNIT							MISCELLANEOUS			MODEL	
	Clamp force (U.S. tons)	Tiebar clearance (HxV) (in)	Overall platen size (HxV) (in)	Opening stroke max. (in)	Mold space min.-max. (in)	Ejector force stroke (U.S. tons/in)	Mold O/C speed max. (in/sec)	Plasticizing unit	Screw diameter (mm)	Injection weight (oz – PS)	Injection speed max. (in/sec)	Injection capacity (in <sup>3</sup> )	Injection pressure (p.s.i.)	Injection rate (in <sup>3</sup> /sec)	Plasticizing capacity (lb/hr)	Machine dimensions (LxWxH) (in)	Weight (U.S. tons)		Capacity of main breaker(s) (amps)
SE100EV-HD	112	18.11 x 18.11	25.59 x 25.59	13.78	7.09 – 17.72 (opt. 21.7)	3.60 / 3.94 (opt.: 6.6 / 5.9)	31.5	C230HD	28 / 32 / 36	2.9 / 3.7 / 4.8	7.9 (opt.: 6.3)	5.3 / 6.8 / 8.7	41,190 / 31,434 / 24,801	7.5 / 9.8 / 12.4 (opt.: 6.0 / 7.8 / 9.9)	82 / 117 / 168	177 x 47 x 72 (opt. 181x47x72)	4.4	125 @ 230V	SE100EV-HD
								C430HD	36 / 40 / 45	5.5 / 6.8 / 8.6		9.9 / 12.3 / 15.5	39,160 / 31,618 / 25,091	12.4 / 15.3 / 19.4 (opt.: 9.9 / 12.3 / 15.5)	168 / 223 / 300	177 x 47 x 72 (opt. 181x47x72)			
SE130EV-HD	146	20.08 x 20.08	28.35 x 28.35	15.75	7.09 – 17.72 (opt. 21.7)	3.60 / 3.94 (opt.: 6.6 / 5.9)	31.5	C230HD	28 / 32 / 36	2.9 / 3.7 / 4.8	7.9 (opt.: 6.3)	5.3 / 6.8 / 8.7	41,190 / 31,434 / 24,801	7.5 / 9.8 / 12.4 (opt.: 6.0 / 7.8 / 9.9)	82 / 117 / 168	180 x 51 x 74 (opt. 190x51x74)	5.0	150 @ 230V	SE130EV-HD
								C430HD	36 / 40 / 45	5.5 / 6.8 / 8.6		9.9 / 12.3 / 15.5	39,160 / 31,618 / 25,091	12.4 / 15.3 / 19.4 (opt.: 9.9 / 12.3 / 15.5)	168 / 223 / 300	180 x 51 x 74 (opt. 190x51x74)			
SE180EV-HD	202	22.05 x 22.05	31.50 x 31.50	17.72	7.87 – 19.69 (opt.: 23.6)	5.06 / 4.72 (opt.: 6.6 / 5.9)	31.5	C430HD	36 / 40 / 45	5.5 / 6.8 / 8.6	7.9 (opt.: 6.3)	9.9 / 12.3 / 15.5	39,160 / 31,618 / 25,091	12.4 / 15.3 / 19.4 (opt.: 9.9 / 12.3 / 15.5)	168 / 223 / 300	205 x 54 x 80	6.8	175 @ 230V	SE180EV-HD
								C730HD	45 / 50	11.4 / 14.1		6.3 (opt.: 5.5)	20.6 / 25.4	31,183 / 25,237	15.5 / 19.2 (opt.: 13.6 / 16.7)	216 / 295			
SE220EV-A <sup>HD</sup>	247	25.98 x 25.98	36.61 x 36.61	22.64	7.87 – 23.62 (opt.: 27.56 and 31.50)	6.74 / 8.66 (opt.: 11.24 / 8.66)	53.1	C750HD	45 / 50	11.4 / 14.1	6.3 (opt.: 11.0)	20.6 / 25.4	31,183 / 25,237	15.5 / 19.2 (opt.: 27.2 / 33.5)	216 / 295	255 x 72 x 80	12.2	225 @ 230V	SE220EV-A <sup>HD</sup>
								C1100HD	50 / 56 / 63	17.3 / 21.7 / 27.4		31.1 / 39.1 / 49.4	33,359 / 27,122 / 21,466	19.2 / 24.0 / 30.4 (opt. 33.5 / 42.0 / 53.2)	333 / 423 / 500	255 x 72 x 80			
SE250EV-A <sup>HD</sup>	281	25.98 x 25.98	36.61 x 36.61	24.61	7.87 – 23.62 (opt.: 27.56)	6.74 / 8.66 (opt.: 11.24 / 8.66)	56.3	C750HD	45 / 50	11.4 / 14.1	6.3 (opt.: 11.0)	20.6 / 25.4	31,183 / 25,237	15.5 / 19.2 (opt.: 27.2 / 33.5)	216 / 295	259 x 72 x 80	12.2	225 @ 230V	SE250EV-A <sup>HD</sup>
								C1100HD	50 / 56 / 63	17.3 / 21.7 / 27.4		31.1 / 39.1 / 49.4	33,359 / 27,122 / 21,466	19.2 / 24.0 / 30.4 (opt. 33.5 / 42.0 / 53.2)	333 / 423 / 500	259 x 72 x 80			
SE280EV-A <sup>HD</sup>	315	28.74 x 28.74	40.16 x 40.16	24.61	11.81 – 25.59 (opt.: 29.53 and 33.46)	6.74 / 8.66 (opt.: 11.24 / 8.66)	51.1	C1100HD	50 / 56 / 63	17.3 / 21.7 / 27.4	6.3 (opt.: 11.0)	31.1 / 39.1 / 49.4	33,359 / 27,122 / 21,466	19.2 / 24.0 / 30.4 (opt. 33.5 / 42.0 / 53.2)	333 / 423 / 500	285 x 78 x 81	15.8	225 @ 230V	SE280EV-A <sup>HD</sup>
								C1600HD	56 / 63 / 71	24.2 / 30.6 / 38.9		43.6 / 55.2 / 70.1	33,359 / 27,267 / 21,466	24.0 / 30.4 / 38.6 (opt. 42.0 / 53.2 / 67.6)	423 / 500 / 507	285 x 78 x 81			
								C2200HD	63 / 71 / 80	33.8 / 42.9 / 54.5		60.8 / 77.3 / 98.1	31,328 / 27,267 / 21,466	30.4 / 38.6 / 49.1 (opt. 53.2 / 67.6 / 85.9)	500 / 507 / 668	285 x 78 x 81			
SE315EV-A <sup>HD</sup>	354	28.74 x 28.74	40.16 x 40.16	26.57	11.81 – 25.59 (opt.: 29.53)	6.74 / 8.66 (opt.: 11.24 / 8.66)	54.9	C1100HD	50 / 56 / 63	17.3 / 21.7 / 27.4	6.3 (opt.: 11.0)	31.1 / 39.1 / 49.4	33,359 / 27,122 / 21,466	19.2 / 24.0 / 30.4 (opt. 33.5 / 42.0 / 53.2)	333 / 423 / 500	289 x 78 x 81	15.8	225 @ 230V	SE315EV-A <sup>HD</sup>
								C1600HD	56 / 63 / 71	24.2 / 30.6 / 38.9		43.6 / 55.2 / 70.1	33,359 / 27,267 / 21,466	24.0 / 30.4 / 38.6 (opt. 42.0 / 53.2 / 67.6)	423 / 500 / 507	289 x 78 x 81			
								C2200HD	63 / 71 / 80	33.8 / 42.9 / 54.5		60.8 / 77.3 / 98.1	31,328 / 27,267 / 21,466	30.4 / 38.6 / 49.1 (opt. 53.2 / 67.6 / 85.9)	500 / 507 / 668	289 x 78 x 81			
SE350EV-A <sup>HD</sup>	393	32.68 x 32.68	44.88 x 44.88	28.54	13.78 – 27.56 (opt.: 31.50 and 35.43)	6.74 / 8.66 (opt.: 11.24 / 8.66)	53.0	C1100HD	50 / 56 / 63	17.3 / 21.7 / 27.4	6.3 (opt.: 11.0)	31.1 / 39.1 / 49.4	33,359 / 27,122 / 21,466	19.2 / 24.0 / 30.4 (opt. 33.5 / 42.0 / 53.2)	333 / 423 / 500	293 x 82 x 85	18.2	225 @ 230V	SE350EV-A <sup>HD</sup>
								C1600HD	56 / 63 / 71	24.2 / 30.6 / 38.9		43.6 / 55.2 / 70.1	33,359 / 27,267 / 21,466	24.0 / 30.4 / 38.6 (opt. 42.0 / 53.2 / 67.6)	423 / 500 / 507	293 x 82 x 85			
								C2200HD	63 / 71 / 80	33.8 / 42.9 / 54.5		60.8 / 77.3 / 98.1	31,328 / 27,267 / 21,466	30.4 / 38.6 / 49.1 (opt. 53.2 / 67.6 / 85.9)	500 / 507 / 668	293 x 82 x 85			
SE385EV-A <sup>HD</sup>	433	32.68 x 32.68	44.88 x 44.88	30.51	13.78 – 27.56 (opt.: 31.50)	6.74 / 8.66 (opt.: 11.24 / 8.66)	56.6	C1100HD	50 / 56 / 63	17.3 / 21.7 / 27.4	6.3 (opt.: 11.0)	31.1 / 39.1 / 49.4	33,359 / 27,122 / 21,466	19.2 / 24.0 / 30.4 (opt. 33.5 / 42.0 / 53.2)	333 / 423 / 500	297 x 82 x 85	18.2	225 @ 230V	SE385EV-A <sup>HD</sup>
								C1600HD	56 / 63 / 71	24.2 / 30.6 / 38.9		43.6 / 55.2 / 70.1	33,359 / 27,267 / 21,466	24.0 / 30.4 / 38.6 (opt. 42.0 / 53.2 / 67.6)	423 / 500 / 507	297 x 82 x 85			
								C2200HD	63 / 71 / 80	33.8 / 42.9 / 54.5		60.8 / 77.3 / 98.1	31,328 / 27,267 / 21,466	30.4 / 38.6 / 49.1 (opt. 53.2 / 67.6 / 85.9)	500 / 507 / 668	297 x 82 x 85			
SE450EV-A <sup>HD</sup>	506	36.22 x 36.22	51.18 x 51.18	32.48	13.78 – 31.50 (opt. 35.43 and 39.37)	11.24 / 8.66 (opt.: 16.86 / 8.66)	43.7	C2200HD	63 / 71 / 80	33.8 / 42.9 / 54.5	6.3 (opt.: 11.0)	60.8 / 77.3 / 98.1	31,328 / 27,267 / 21,466	30.4 / 38.6 / 49.1 (opt. 53.2 / 67.6 / 85.9)	500 / 507 / 668	329 x 89 x 88	26.2	250 @ 230V	SE450EV-A <sup>HD</sup>
								C3000HD	71 / 80 / 90	48.3 / 61.3 / 77.5		6.3 (opt.: 8.7)	87.0 / 110.4 / 139.7	31,328 / 27,122 / 21,466	38.6 / 49.1 / 62.1 (opt. 67.6 / 85.9 / 108.7)	507 / 668 / 860			
SE500EV-A <sup>HD</sup>	562	36.22 x 36.22	51.18 x 51.18	34.45	13.78 – 31.50 (opt. 35.43)	11.24 / 8.66 (opt.: 16.86 / 8.66)	45.9	C2200HD	63 / 71 / 80	33.8 / 42.9 / 54.5	6.3 (opt.: 11.0)	60.8 / 77.3 / 98.1	31,328 / 27,267 / 21,466	30.4 / 38.6 / 49.1 (opt. 53.2 / 67.6 / 85.9)	500 / 507 / 668	333 x 89 x 88	26.2	250 @ 230V	SE500EV-A <sup>HD</sup>
								C3000HD	71 / 80 / 90	48.3 / 61.3 / 77.5		6.3 (opt.: 8.7)	87.0 / 110.4 / 139.7	31,328 / 27,122 / 21,466	38.6 / 49.1 / 62.1 (opt. 67.6 / 85.9 / 108.7)	507 / 668 / 860			

Note: Specifications subject to change without notice.

Consult your Sumitomo (SHI) Demag Sales Representative  
for specifications on these other all-electric machine series:



Vertical SV  
20 to 55 U.S. tons



Vertical SRZ  
55 to 83 U.S. tons



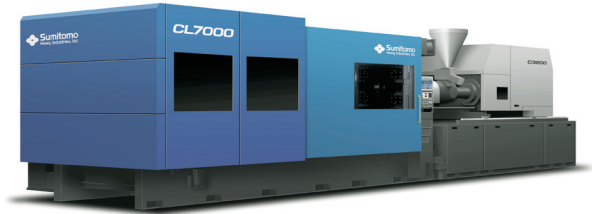
Ultra-High-Speed SE-EV-HP  
56 to 202 U.S. tons



2-Shot SE75D-CI  
83 U.S. tons



2-Shot SE-HS-CI  
253 to 308 U.S. tons



CL Series  
606 to 936 U.S. tons



[sumitomo-shi-demag.us](http://sumitomo-shi-demag.us)  
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