Sumitomo Global Network

Sumitomo Heavy Industries, Ltd.

Plastics Machinery Div.

TOKYO Sumitomo Heavy Industries, Ltd. Plastics Machinery Div. Global Sales Dept.
1-1, Osaki 2-chome, Shinagawa-ku, Tokyo, 141-6025, Japan
Tel:+81-3-6737-2576 Fax:+81-3-6866-5176

CHIBA Sumitomo Heavy Industries, Ltd. Chiba Works/Technology Center
731-1, Naganumahara, Inage-ku, Chiba-City, 263-0001, Japan
Tel:+81-43-420-1471 Fax:+81-43-420-1591

U.S.A. Sumitomo (SHI) Demag Plastics Machinery North America, Inc. Atlanta Office/Technology Center
410 Horizon Dr., Suite 200, Suwanee, GA 30024, United States
Tel:+1-770-447-5430 Fax:+1-678-990-1716
Sumitomo (SHI) Demag Plastics Machinery North America, Inc. Cleveland Office
17909 Cleveland Parkway, Cleveland, OH 44135, United States
Tel:+1-440-876-8960 Fax:+1-440-876-4383
Sumitomo (SHI) Demag Plastics Machinery North America, Inc. Chicago Office/Facility and Tech Center
1177 Corporate Grove Dr. Buffalo Grove, IL 60089, United States
Tel:+1-847-947-9569
Sumitomo (SHI) Demag Plastics Machinery North America, Inc. Anaheim Office/Training and Demo Center
1130 N. Armando St. Anaheim, CA 92806, United States

MEXICO SHI Plastics Machinery de Mexico, S.A. DE. C.V. Monterrey Office
Ignacio Sepulveda 124, Seccion 7, Edificio 1 Parque Industrial Kalos Encarnacion Colonia La Encarnacion,
Apodaca, N.L. C.P. 66633, Mexico
Tel:+52-81-8356-1714, -1720, -1726 Fax:+52-81-8356-1710
SHI Plastics Machinery de Mexico, S.A. DE. C.V. Leon Office
Plaza San Martin Blvd Aeropuerto N° 849, Local "E" 3102, Col. San Jose el Alto, León Guanajuato CP 7545, Mexico
Tel:+52-477-179-1730

BRAZIL Sumitomo (SHI) Demag do Brasil Comercio de Máquinas para Plásticos Ltda.
Rodovia do Açúcar (SP-075), km 26-Jd. Oliveira-Itu/SP-Cep: 13312-500, Brazil
Tel:+55-11-4403-9286

GERMANY Sumitomo (SHI) Demag Plastics Machinery GmbH (Schwaig) /Technology Center
Altdorfer Str. 15 90571 Schwaig, Germany
Tel:+49-911-5061-0 Fax:+49-911-5061-265
Sumitomo (SHI) Demag Plastics Machinery GmbH (Wiehe) /Technology Center
Donndorfer Str. 3 06571 Wiehe, Germany
Tel:+49-34672-97-0 Fax:+49-34672-97-333

UNITED KINGDOM Sumitomo (SHI) Demag Plastics Machinery (UK) Ltd.
Accent House, Triangle Business Park, Wendover Road, Stoke Mandeville, Bucks, HP22 5BL, United Kingdom
Tel:+44-1296-73-95-00 Fax:+44-1296-73-95-01

FRANCE Sumitomo (SHI) Demag Plastics Machinery (France) S.A.S.
ZAC du Mandinet, 9, Rue des Campanules, 77437 Marne-La-Vallée Cedex 2, France
Tel:+33-1-60-33-20-10 Fax:+33-1-60-33-20-03

SPAIN Sumitomo (SHI) Demag Plastics Machinery España S.L.
Plaza de América 4, 2° - 3ª, ES 46004 Valencia, Spain
Tel: +34-96-111-63-11

POLAND Demag Plastics Group SP. z.o.o.
Ul. Jagiellonska 81 - 83, 42 200 Czestochowa, Poland
Tel:+48-34-370-95-40 Fax:+48-34-370-94-86

AUSTRIA Sumitomo (SHI) Demag Plastics Machinery GmbH -Office Austria-
Wolfgang-Amadeus-Mozart-Str. 5/3, 3430 Tulln an der Donau, Austria
Tel:+43-2272-61-868 Fax:+43-2272-61-868-89

HUNGARY Sumitomo (SHI) Demag Plastics Machinery Hungária Kft
H-2045 Törökbálint, FSD Park 2, Fsz. 2, Hungary
Tel:+36-23-531-290 Fax:+36-23-531-291

ITALY Sumitomo (SHI) Demag Plastics Machinery (Italia) S.r.l.
Via Asti 88/A 10098 Rivoli (TO) Italy
Tel:+39-11-95-95-057 Fax:+39-11-95-95-185

RUSSIA CJSC Sumitomo (SHI) Demag Plastics Machinery
Prombaza OAO "Stroitransgaz", d. Ascherino Leninskiy raion, 142717 Moscow region, Russia
Tel:+7-495-937-97-64 Fax:+7-495-933-00-78

SHANGHAI SHI Plastics Machinery (Shanghai) Ltd.
11F SMEG Plaza, No.1386 Hong Qiao Road, Chang Ning District, Shanghai, 200336, China
Tel:+86-21-3462-7556 Fax:+86-21-3462-7655

DALIAN SHI Plastics Machinery (Shanghai) Ltd. Dalian Office
1109 Fuyou Buiding, No.9 Huanghaixiliu Road, Economic and Technological Development Zone, Dalian 116600, China
Tel:+86-411-8764-8052 Fax:+86-411-8764-8053

TIANJIN SHI Plastics Machinery (Shanghai) Ltd. Tianjin Office
Room 501 , Part 2, Building Lian Dong U Gu, Chilong Street, Shuanggang Town Industrial Park, Jinnan District, Tianjin 300350, China
Tel:+86-22-5871-5537 Fax:+86-22-5871-5531

SUZHOU SHI Plastics Machinery (Shanghai) Ltd. Suzhou Office/Technical Center
Room 2101, Building 2, Jinfeng Urban Design Park, No 211, Zhujiang South Road, Mudu Town, Suzhou City, Jiangsu Prov. 215101, China
Tel:+86-512-6632-1760 Fax:+86-512-6632-1770

NINGBO Ningbo Sumiju Machinery, Ltd.
No.28, Baiyunshan Road, Modern Logistics Park, Beilun District, Ningbo, 315800 Zhejiang, China

DONGGUAN Dongguan SHI Plastics Machinery Ltd. /Technical Center
B102 Block 8 Zhongda 365 NO.9, Xincheng Road, Songshan Lake, Dongguan City, Guangdong Province 523808, China
Tel:+86-769-8533-6071 Fax:+86-769-8554-9091

HONG KONG SHI Plastics Machinery (Hong Kong) Ltd.
Room 601, Telford House, 12-16 Wang Hoi Road, Kowloon Bay, Hong Kong
Tel:+852-2750-6630 Fax:+852-2759-0008

TAIWAN SHI Plastics Machinery (Taiwan) Inc.
6F., No.35, Dexing W. Rd., Shilin Dist., Taipei 111, Taiwan
Tel:+886-2-2831-4500 Fax:+886-2-2831-4483
SHI Plastics Machinery (Taiwan) Inc. Taichung Office
Rm D, 6F, No.190, Chung Kong 2nd Rd., Shi Tun Dist., Taichung 40766, Taiwan
Tel:+886-4-2358-7334 Fax:+886-4-2358-9335

KOREA SHI Plastics Machinery (Korea) Co., Ltd.
203, JEIPLATZ, 186, Gasan digital 1-ro, Geumcheon-gu, Seoul 08502, Korea
Tel:+82-2-757-8656 Fax:+82-2-757-8659
SHI Plastics Machinery (Korea) Co., Ltd. Southern Office
#207, 48, Dongbu-ro 22-gil, Dong-gu, Daegu 41242, Korea
Tel:+82-53-247-8656 Fax:+82-53-247-8659

SINGAPORE SHI Plastics Machinery (S) Pte., Ltd. /Technology Center
3791 Jalan Bukit Merah #03-07/08/09, E-Centre @ Redhill, Singapore 159471
Tel:+65-6779-7544 Fax:+65-6777-9211

THAILAND SHI Plastics Machinery (Thailand) Ltd. /Technology Center
317 Debaratna Road, Kwaeng Bangna Nuea, Khet Bangna, Bangkok 10260, Thailand
Tel:+66-2-747-4053~4056 Fax:+66-2-747-4081
SHI Plastics Machinery (Thailand) Ltd. South Office
Pinthong 2 Industrial Estate, Room BC-08, 150/55 Moo 9, Nongkham Subdistrict, Sriracha District, Chonburi 20230, Thailand

MALAYSIA SHI Plastics Machinery (Malaysia) SDN BHD
Lot AG 16, 17 & 18, Pj Industrial Park, Jalan Kemajuan, Section 13, 46200 Petaling Jaya, Selangor, D.E. Malaysia
Tel:+60-3-7958-2079, 2081 Fax:+60-3-7958-2084
SHI Plastics Machinery (Malaysia) SDN BHD Penang Office
No.7, Ground Floor, Jalan Kelisa Emas, Taman Kelisa Emas, 13700 Seberang Jaya, Penang, Malaysia
Tel:+60-4-604-397-5725 Fax:+60-4-604-397-5726

VIETNAM SHI Plastics Machinery (Vietnam) LLC
Floor 1A, Hong Kong Tower, No.243A La Thanh Street, Lang Thuong Ward, Dong Da District, Hanoi, Vietnam
Tel:+84-24-3728-0105 Fax:+84-24-3728-0106
SHI Plastics Machinery (Vietnam) LLC Ho Chi Minh Branch
1st floor, Block C, Dat Phuong Nam Building, 241A Chu Van An Street, Ward 12, Binh Thanh District, Ho Chi Minh City, Vietnam
Tel:+84-8-3514-6645 Fax:+84-8-3514-6653

INDONESIA PT. SHI Plastics Machinery (Indonesia)
Jl. Tebet Raya No. 5B, Tebet, Jakarta 12810, Indonesia
Tel:+62-21-829-3872, 3873 Fax:+62-21-828-1645

PHILIPPINES SHI Plastics Machinery (Phils) Inc.
Lot 2-B, No.14 Victoria Street, Cor. EDSA Magallanes Village, Makati City 1332, Philippines
Tel:+63-2-844-0632, 845-0877 Fax:+63-2-886-4670

INDIA SHI Plastics Machinery (India) Private Ltd.
Unit No.22-25, 1st Floor, JMD Galleria, Sohna Road, Gurgaon, Haryana-122001, India
Tel:+91-0124-2217056, 64 Fax:+91-0124-2218076

- Photographs of machines and details may differ from actual products.
- Specifications subject to change without notice for performance improvement.

SEEV-A-HD
All-electric Middle-sized Molding Machine

SEEV-A-HD
All-electric Middle-sized Molding Machine

Sumitomo SHI DEMAG

SEEV-A-HD

All-electric Middle-sized Injection Molding Machine

Technical Data

- SE220EV-A-HD (2200kN)
- SE250EV-A-HD (2500kN)
- SE280EV-A-HD (2800kN)
- SE315EV-A-HD (3150kN)
- SE350EV-A-HD (3500kN)
- SE385EV-A-HD (3850kN)
- SE450EV-A-HD (4500kN)
- SE500EV-A-HD (5000kN)

Our products have acquired ISO9001 certification.

www.shi.co.jp/plastics/

Sumitomo Heavy Industries, Ltd.

S003EN07-2011JD

Main Specifications

Item	Unit	SE220EV-A-HD	SE250EV-A-HD
■Clamp unit			
Clamp system		Double toggle (5 points)	Double toggle (5 points)
Clamp force	kN	2200	2500
Clearance between tie-bars (WxH)	mm	660 x 660	660 x 660
Platen size (WxH)	mm	930 x 930	930 x 930
Daylight	mm	1175	1225
(When mold thickness extension 100 mm is selected)	mm	(1275)	(1325)
(When mold thickness extension 200 mm is selected)	mm	(1375)	—
Mold opening stroke	mm	575	625
Platen speed	mm/s	1349	1431
Mold thickness (min. - max.)	mm	200～600	200～600
(When mold thickness extension 100 mm is selected)	mm	(200～700)	(200～700)
(When mold thickness extension 200 mm is selected)	mm	(200～800)	—
Locating ring diameter	mm	φ120	φ120
(When the option is selected)	mm	(φ100)	(φ100)
Ejecting points		13 points	13 points
Ejector force	kN	60	60
(When ejector force strengthening is selected)	kN	(100)	(100)
Ejector speed	mm/s	267	267
Ejector stroke	mm	220	220
Mold loading max.	kg	2800	2800
(Maximum moving side)	kg	(1850)	(1850)

Item	Unit	SE280EV-A-HD	SE315EV-A-HD
■Clamp unit			
Clamp system		Double toggle (5 points)	Double toggle (5 points)
Clamp force	kN	2800	3150
Clearance between tie-bars (WxH)	mm	730 x 730	730 x 730
Platen size (WxH)	mm	1020 x 1020	1020 x 1020
Daylight	mm	1275	1325
(When mold thickness extension 100 mm is selected)	mm	(1375)	(1425)
(When mold thickness extension 200 mm is selected)	mm	(1475)	—
Mold opening stroke	mm	625	675
Platen speed	mm/s	1298	1394
Mold thickness (min. - max.)	mm	300～650	300～650
(When mold thickness extension 100 mm is selected)	mm	(300～750)	(300～750)
(When mold thickness extension 200 mm is selected)	mm	(300～850)	—
Locating ring diameter	mm	φ150	φ150
(When the option is selected)	mm	(φ100 / φ120)	(φ100 / φ120)
Ejecting points		13 points	13 points
Ejector force	kN	60	60
(When ejector force strengthening is selected)	kN	(100)	(100)
Ejector speed	mm/s	267	267
Ejector stroke	mm	220	220
Mold loading max.	kg	3800	3800
(Maximum moving side)	kg	(2500)	(2500)

■Injection unit

Plasticizing capacity		C750		C1100			C750		C1100		
		M		L			M		L		
Screw diameter	mm	45	50	50	56	63	45	50	50	56	63
Injection pressure max. *1,*2	MPa	215	174	230	187	148	215	174	230	187	148
Holding pressure max. *1,*2	MPa	215	174	230	187	148	215	174	230	187	148
Theoretical injection capacity	cm^3	337	416	510	640	810	337	416	510	640	810
Injection mass (GPPS)	g	323	399	490	614	778	323	399	490	614	778
Plasticizing rate *3	kg/h	98	134	151	192	227	98	134	151	192	227
Injection rate max.	cm^3/s	254	314	314	394	498	254	314	314	394	498
(High speed filling)	cm^3/s	(445)	(549)	(549)	(689)	(872)	(445)	(549)	(549)	(689)	(872)
Screw stroke	mm	212		260			212		260		
Injection speed max.	mm/s	160					160				
(High speed filling)	mm/s	(280)					(280)				
Screw rotating speed max.	min^{-1}	250					250				
Number of temperature control zone		5		6			5		6		
Heater capacity	kW	11.1	12.2	19.2	21.1	28.4	11.1	12.2	19.2	21.1	28.4
Nozzle contact force	kN	43		58			43		58		
Injection moving stroke	mm	395					395				
Protrusion	mm	65					65				
Hopper capacity (When the standard hopper selected)	L	(50)		(100)			(50)		(100)		

■Machine dimensions and mass

Machine dimensions (LxWxH) *4	mm	6466 x 1832 x 2025		6566 x 1832 x 2025	
Machine mass	t	11.6	12.6	11.6	12.6

■Injection unit

Plasticizing capacity		C1100			C1600			C2200			C1100			C1600			C2200		
		L			L			L			L			L			L		
Screw diameter	mm	50	56	63	56	63	71	63	71	80	50	56	63	56	63	71	63	71	80
Injection pressure max. *1,*2	MPa	230	187	148	230	188	148	216	188	148	230	187	148	230	188	148	216	188	148
Holding pressure max. *1,*2	MPa	230	187	148	230	188	148	216	188	148	230	187	148	230	188	148	216	188	148
Theoretical injection capacity	cm^3	510	640	810	714	904	1148	997	1266	1608	510	640	810	714	904	1148	997	1266	1608
Injection mass (GPPS)	g	490	614	778	685	867	1102	957	1216	1544	490	614	778	685	867	1102	957	1216	1544
Plasticizing rate *3	kg/h	151	192	227	192	227	230	227	230	303	151	192	227	192	227	230	227	230	303
Injection rate max.	cm^3/s	314	394	498	394	498	633	498	633	804	314	394	498	394	498	633	498	633	804
(High speed filling)	cm^3/s	(549)	(689)	(872)	(689)	(872)	(1108)	(872)	(1108)	(1407)	(549)	(689)	(872)	(689)	(872)	(1108)	(872)	(1108)	(1407)
Screw stroke	mm	260			290			320			260			290			320		
Injection speed max.	mm/s	160									160								
(High speed filling)	mm/s	(280)									(280)								
Screw rotating speed max.	min^{-1}	250				200	250	200			250				200	250	200		
Number of temperature control zone		6									6								
Heater capacity	kW	19.2	21.1	28.4	21.1	28.4	30.5	28.4	30.5	34.6	19.2	21.1	28.4	21.1	28.4	30.5	28.4	30.5	34.6
Nozzle contact force	kN	58									58								
Injection moving stroke	mm	420									420								
Protrusion	mm	65									65								
Hopper capacity (When the standard hopper selected)	L	(100)									(100)								

■Machine dimensions and mass

Machine dimensions (LxWxH) *4	mm	7236 x 1972 x 2059			7336 x 1972 x 2059		
Machine mass	t	15.0	15.1	15.7	15.0	15.1	15.7

*1 The maximum injection pressure and hold pressure are calculated values, which are the outputs of the machine, but not the resin pressures.
*2 The maximum injection pressure and hold pressure are no pressures that can be generated continuously.
*3 The plasticizing rate is given for a machine mounted with the SD Screw.
*4 The total length of the machine is to the front end of the injection unit when mounting the screw of the smallest diameter.
When the mold space extension or the safety door wide expansion (100 mm, opposite to operation side) or the dust prevention cover above toggle is selected, that extended distance is added to the machine length. Please refer to the whole assembly drawing.
● Specifications subject to change without notice for performance improvement.
◇This series originally comply to safety standards of Japan, the US, in addition, also China GB22530 and KC mark.

Main Specifications

Item	Unit	SE350EV-A-HD	SE385EV-A-HD
■Clamp unit			
Clamp system		Double toggle (5 points)	Double toggle (5 points)
Clamp force	kN	3500	3850
Clearance between tie-bars (WxH)	mm	830 x 830	830 x 830
Platen size (WxH)	mm	1140 x 1140	1140 x 1140
Daylight	mm	1425	1475
(When mold thickness extension 100 mm is selected)	mm	(1525)	(1575)
(When mold thickness extension 200 mm is selected)	mm	(1625)	—
Mold opening stroke	mm	725	775
Platen speed	mm/s	1346	1438
Mold thickness (min. - max.)	mm	350〜700	350〜700
(When mold thickness extension 100 mm is selected)	mm	(350〜800)	(350〜800)
(When mold thickness extension 200 mm is selected)	mm	(350〜900)	—
Locating ring diameter	mm	ϕ150	ϕ150
(When the option is selected)	mm	(ϕ100 / ϕ120)	(ϕ100 / ϕ120)
Ejecting points		13 points	13 points
Ejector force	kN	60	60
(When ejector force strengthening is selected)	kN	(100)	(100)
Ejector speed	mm/s	267	267
Ejector stroke	mm	220	220
Mold loading max.	kg	5200	5200
(Maximum moving side)	kg	(3450)	(3450)

■Injection unit

Plasticizing capacity		C1100			C1600			C2200			C1100			C1600			C2200		
		L			L			L			L			L			L		
Screw diameter	mm	50	56	63	56	63	71	63	71	80	50	56	63	56	63	71	63	71	80
Injection pressure max. *1,*2	MPa	230	187	148	230	188	148	216	188	148	230	187	148	230	188	148	216	188	148
Holding pressure max. *1,*2	MPa	230	187	148	230	188	148	216	188	148	230	187	148	230	188	148	216	188	148
Theoretical injection capacity	cm^3	510	640	810	714	904	1148	997	1266	1608	510	640	810	714	904	1148	997	1266	1608
Injection mass (GPPS)	g	490	614	778	685	867	1102	957	1216	1544	490	614	778	685	867	1102	957	1216	1544
Plasticizing rate *3	kg/h	151	192	227	192	227	230	227	230	303	151	192	227	192	227	230	227	230	303
Injection rate max.	cm^3/s	314	394	498	394	498	633	498	633	804	314	394	498	394	498	633	498	633	804
(High speed filling)	cm^3/s	(549)	(689)	(872)	(689)	(872)	(1108)	(872)	(1108)	(1407)	(549)	(689)	(872)	(689)	(872)	(1108)	(872)	(1108)	(1407)
Screw stroke	mm	260			290			320			260			290			320		
Injection speed max.	mm/s	160									160								
(High speed filling)	mm/s	(280)									(280)								
Screw rotating speed max.	min^{-1}	250				200	250	200			250				200	250	200		
Number of temperature control zone		6									6								
Heater capacity	kW	19.2	21.1	28.4	21.1	28.4	30.5	28.4	30.5	34.6	19.2	21.1	28.4	21.1	28.4	30.5	28.4	30.5	34.6
Nozzle contact force	kN	58									58								
Injection moving stroke	mm	450									450								
Protrusion	mm	65									65								
Hopper capacity (When the standard hopper selected)	L	(100)									(100)								

■Machine dimensions and mass

Machine dimensions (LxWxH) *4	mm	7446 x 2072 x 2147			7546 x 2072 x 2147		
Machine mass	t	17.2	17.3	17.9	17.3	17.4	18.0

Item	Unit	SE450EV-A-HD	SE500EV-A-HD
■Clamp unit			
Clamp system		Double toggle (5 points)	Double toggle (5 points)
Clamp force	kN	4500	5000
Clearance between tie-bars (WxH)	mm	920 x 920	920 x 920
Platen size (WxH)	mm	1300 x 1300	1300 x 1300
Daylight	mm	1625	1675
(When mold thickness extension 100 mm is selected)	mm	(1725)	(1775)
(When mold thickness extension 200 mm is selected)	mm	(1825)	—
Mold opening stroke	mm	825	875
Platen speed	mm/s	1109	1167
Mold thickness (min. - max.)	mm	350〜800	350〜800
(When mold thickness extension 100 mm is selected)	mm	(350〜900)	(350〜900)
(When mold thickness extension 200 mm is selected)	mm	(350〜1000)	—
Locating ring diameter	mm	ϕ150	ϕ150
(When the option is selected)	mm	(ϕ100 / ϕ120)	(ϕ100 / ϕ120)
Ejecting points		21 points	21 points
Ejector force	kN	100	100
(When ejector force strengthening is selected)	kN	(150)	(150)
Ejector speed	mm/s	267	267
Ejector stroke	mm	220	220
Mold loading max.	kg	7500	7500
(Maximum moving side)	kg	(5000)	(5000)

■Injection unit

Plasticizing capacity		C2200			C3000			C2200			C3000		
		L			L			L			L		
Screw diameter	mm	63	71	80	71	80	90	63	71	80	71	80	90
Injection pressure max. *1,*2	MPa	216	188	148	216	187	148	216	188	148	216	187	148
Holding pressure max. *1,*2	MPa	216	188	148	216	187	148	216	188	148	216	187	148
Theoretical injection capacity	cm^3	997	1266	1608	1425	1809	2290	997	1266	1608	1425	1809	2290
Injection mass (GPPS)	g	957	1216	1544	1368	1737	2198	957	1216	1544	1368	1737	2198
Plasticizing rate *3	kg/h	227	230	303	230	303	390	227	230	303	230	303	390
Injection rate max.	cm^3/s	498	633	804	633	804	1017	498	633	804	633	804	1017
(High speed filling)	cm^3/s	(872)	(1108)	(1407)	(871)	(1105)	(1399)	(872)	(1108)	(1407)	(871)	(1105)	(1399)
Screw stroke	mm	320			360			320			360		
Injection speed max.	mm/s	160						160					
(High speed filling)	mm/s	(280)			(220)			(280)			(220)		
Screw rotating speed max.	min^{-1}	250	200					250	200				
Number of temperature control zone		6						6					
Heater capacity	kW	28.4	30.5	34.6	30.5	34.6	35.0	28.4	30.5	34.6	30.5	34.6	35.0
Nozzle contact force	kN	58						58					
Injection moving stroke	mm	495						495					
Protrusion	mm	65						65					
Hopper capacity (When the standard hopper selected)	L	(100)						(100)					

■Machine dimensions and mass

Machine dimensions (LxWxH) *4	mm	8361 x 2252 x 2232			8461 x 2252 x 2232		
Machine mass	t	24.9	25.7		24.9	25.7	

*1 The maximum injection pressure and hold pressure are calculated values, which are the outputs of the machine, but not the resin pressures.
*2 The maximum injection pressure and hold pressure are no pressures that can be generated continuously.
*3 The plasticizing rate is given for a machine mounted with the SD Screw.
*4 The total length of the machine is to the front end of the injection unit when mounting the screw of the smallest diameter.
When the mold space extension or the safety door wide expansion (100 mm, opposite to operation side) or the dust prevention cover above toggle is selected, that extended distance is added to the machine length. Please refer to the whole assembly drawing.
● Specifications subject to change without notice for performance improvement.
◇This series originally comply to safety standards of Japan, the US, in addition, also China GB22530 and KC mark.

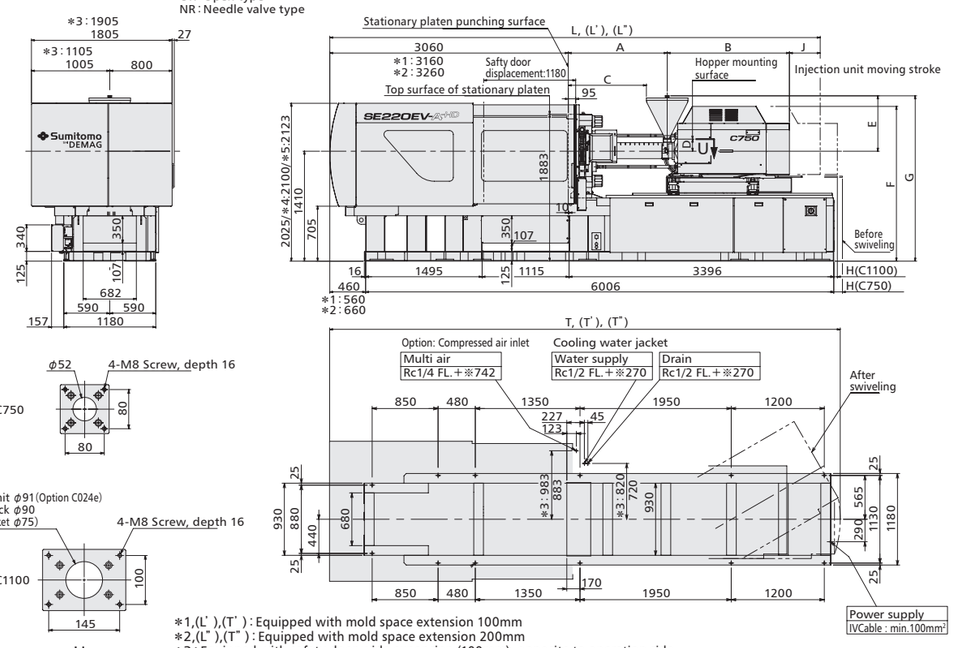
SE220EV-A-HD

Dimension & Foundation Plan

The following drawing's dimensions are Japanese specification.

Injection unit	Screw Diameter	A	B	C	D	E	F	G	H	J	L	(L')	(L")	T	(T')	(T")
C750	45OA	1069	1568	802	155	711	1985	2121	211	395	6092	6192	6292	6677	6777	6877
	45NR	1179		912							6202	6302	6402			
	50OA	1159		892							6182	6282	6382			
	50NR	1269		1002							6292	6392	6492			
C1100	50OR	1252		925	189	872	2084	2282	752	395	6751	6851	6951	7275	7375	7475
	50NR | 56OR	1412	2044	1085							6911	7011	7111			
	56NR	1572		1245							7071	7171	7271			
	63OR	1642	2114	1315							7211	7311	7411			

OA : Open exclusive type
OR : Open type
NR : Needle valve type

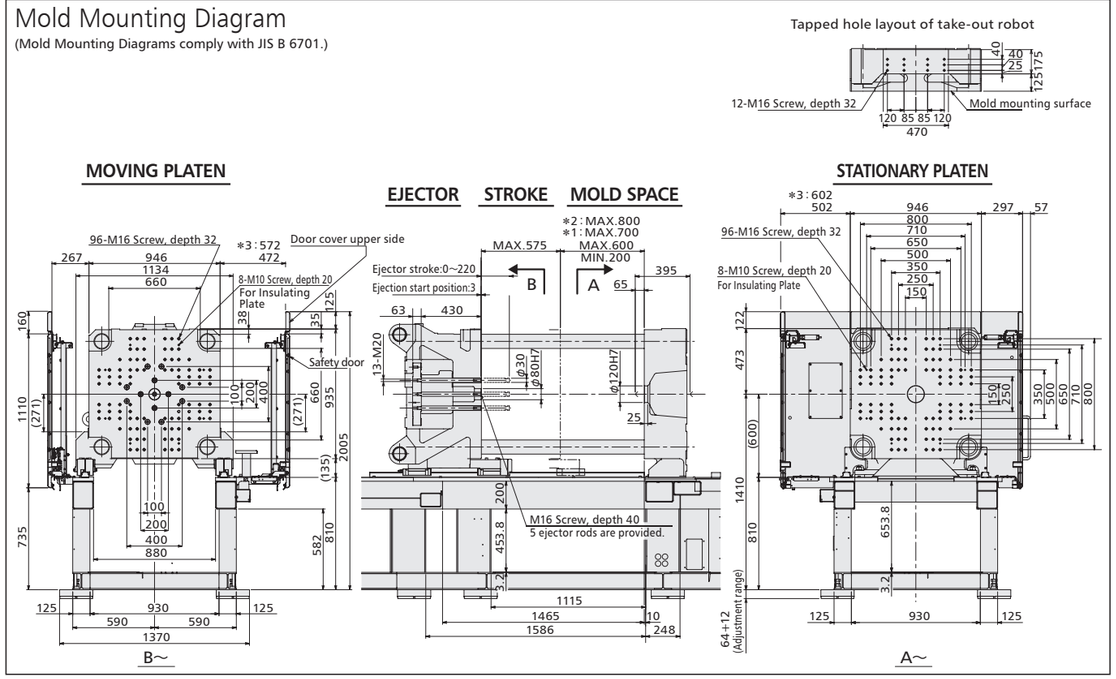


∗1,(L'),(T') : Equipped with mold space extension 100mm
∗2,(L"),(T") : Equipped with mold space extension 200mm
∗3 : Equipped with safety door wide expansion (100mm) opposite to operation side
∗4 : Equipped with dust prevention cover above toggle (Fixed type)
∗5 : Equipped with dust prevention cover above toggle (Slide type)

The figure marked with an asterisk (*) shows the case of using no leveling pad.

Mold Mounting Diagram

(Mold Mounting Diagrams comply with JIS B 6701.)



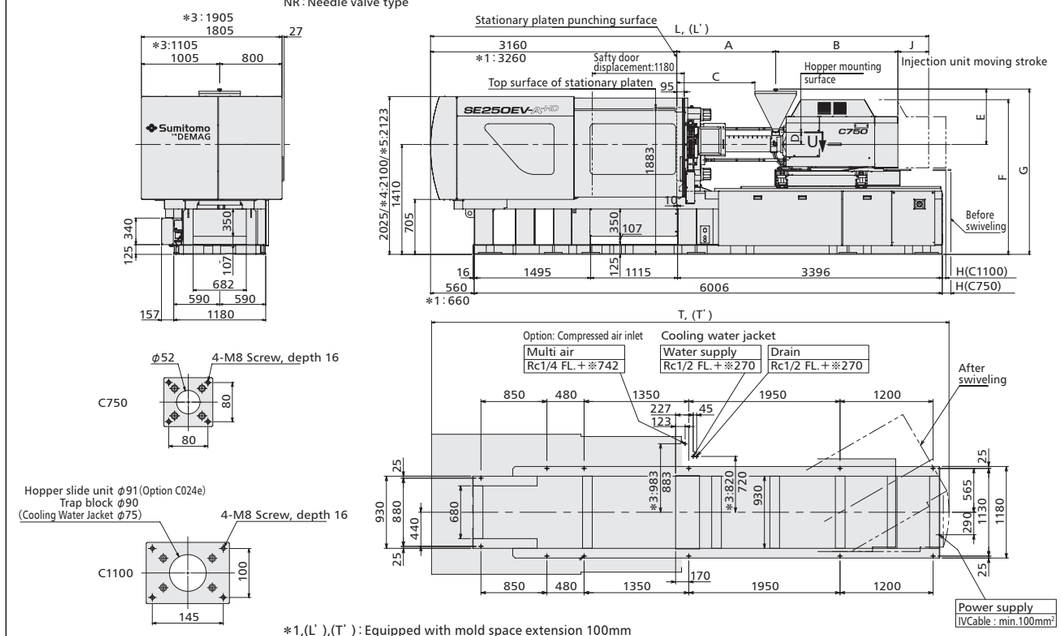
SE250EV-A-HD

Dimension & Foundation Plan

The following drawing's dimensions are Japanese specification.

Injection unit	Screw Diameter	A	B	C	D	E	F	G	H	J	L	(L')	T	(T')
C750	45OA	1069	1568	802	155	711	1985	2121	211	395	6192	6292	6677	6877
	45NR	1179		912							6302	6402		
	50OA	1159		892							6282	6382		
	50NR	1269		1002							6392	6492		
C1100	50OR	1252		925	189	872	2084	2282	752	395	6851	6951	7375	7475
	50NR | 56OR	1412	2044	1085							7011	7111		
	56NR	1572		1245							7171	7271		
	63OR	1642	2114	1315							7311	7411		

OA : Open exclusive type
OR : Open type
NR : Needle valve type

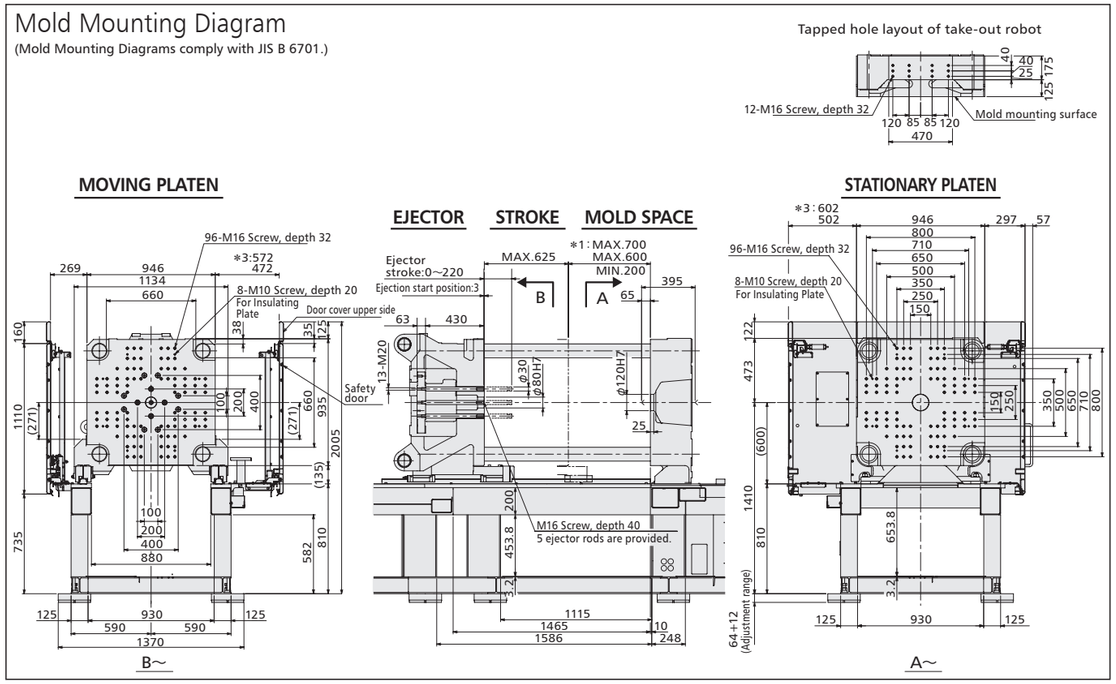


∗1,(L'),(T') : Equipped with mold space extension 100mm
∗3 : Equipped with safety door wide expansion (100mm) opposite to operation side
∗4 : Equipped with dust prevention cover above toggle (Fixed type)
∗5 : Equipped with dust prevention cover above toggle (Slide type)

The figure marked with an asterisk (*) shows the case of using no leveling pad.

Mold Mounting Diagram

(Mold Mounting Diagrams comply with JIS B 6701.)



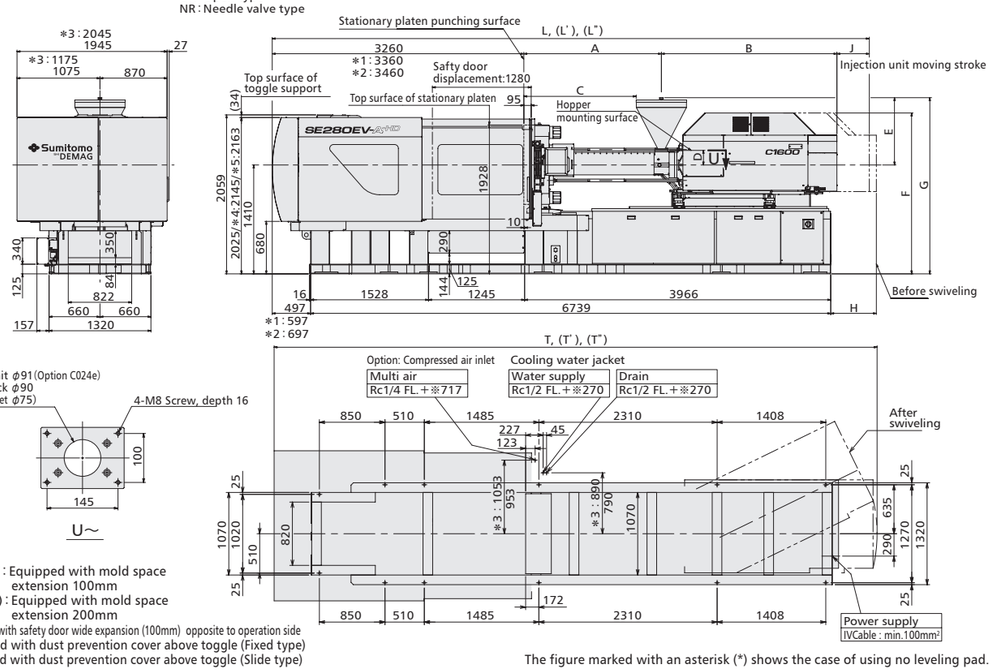
SE280EV-A-HD

Dimension & Foundation Plan

The following drawing's dimensions are Japanese specification.

Injection unit	Screw Diameter	A	B	C	D	E	F	G	H	J	L	(L')	(L")	T	(T')	(T")
C1100	50OR	1252	2044	925	189	872	2080	2282	367	420	6976	7076	7176	7660	7760	7860
	50NR | 56OR	1412		1085							7136	7236	7336			
	56NR	1572		1245							7296	7396	7496			
	63OR	1622	2114	1292							7416	7516	7616			
C1600	56OR	1412	2204	1085	189	872	2080	2282	527	420	7296	7396	7496	7815	7915	8015
	56NR	1572		1245							7456	7556	7656			
	63OR	1622	2274	1292							7576	7676	7776			
	63NR | 71OR	1782		1455							7736	7836	7936			
C2200	63OR	1622	2327	1292	189	872	2066	2282	740	420	7629	7729	7829	8036	8136	8236
	63NR | 71OR	1782		1455							7789	7889	7989			
	71NR | 80OR	1942		1615							7949	8049	8149			

OR : Open type
NR : Needle valve type

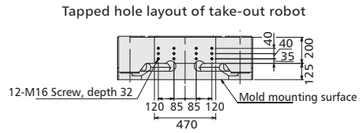


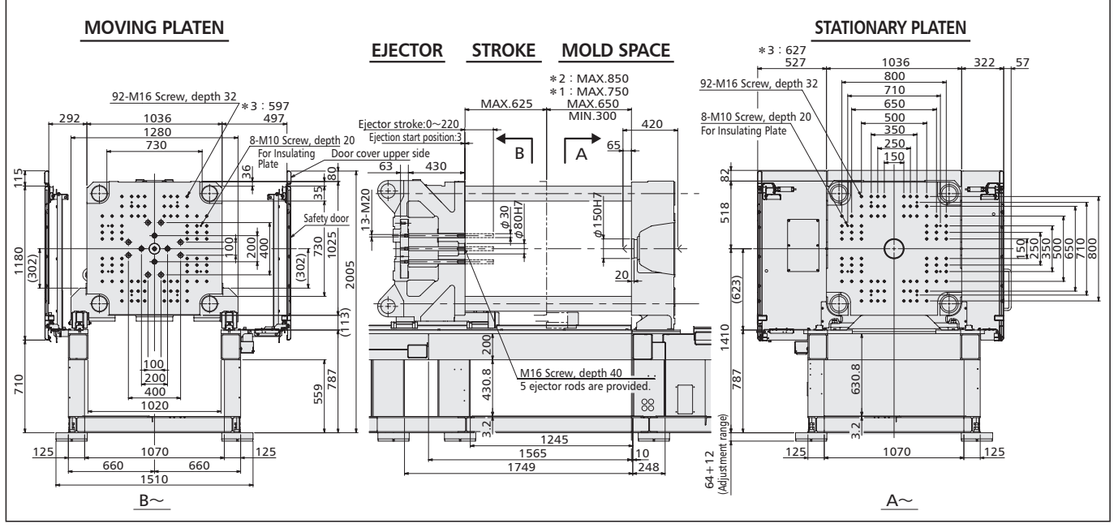
*1,(L'),(T') : Equipped with mold space extension 100mm
*2,(L"),(T") : Equipped with mold space extension 200mm
*3 : Equipped with safety door wide expansion (100mm) opposite to operation side
*4 : Equipped with dust prevention cover above toggle (Fixed type)
*5 : Equipped with dust prevention cover above toggle (Slide type)

The figure marked with an asterisk (*) shows the case of using no leveling pad.

Mold Mounting Diagram

(Mold Mounting Diagrams comply with JIS B 6701.)





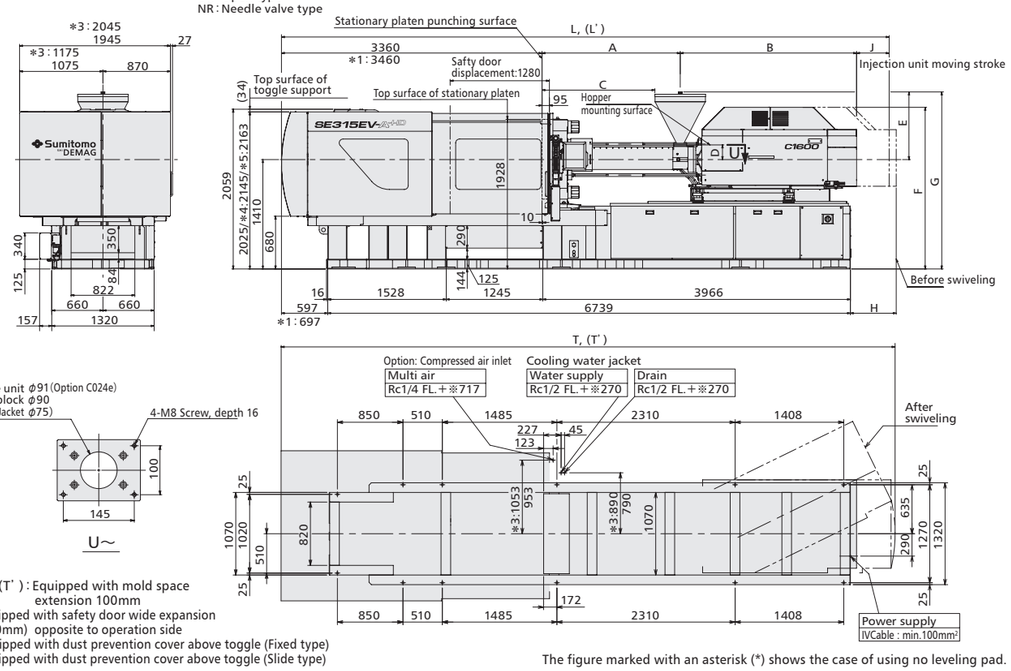
SE315EV-A-HD

Dimension & Foundation Plan

The following drawing's dimensions are Japanese specification.

Injection unit	Screw Diameter	A	B	C	D	E	F	G	H	J	L	(L')	T	(T')
C1100	50OR	1252	2044	925	189	872	2080	2282	367	420	7076	7176	7660	7760
	50NR | 56OR	1412		1085							7236	7336		
	56NR	1572		1245							7396	7496		
	63OR	1622	2114	1292							7516	7616		
C1600	56OR	1412	2204	1085	189	872	2080	2282	527	420	7396	7496	7815	7915
	56NR	1572		1245							7556	7656		
	63OR	1622	2274	1292							7676	7776		
	63NR | 71OR	1782		1455							7836	7936		
C2200	63OR	1622	2327	1292	189	872	2066	2282	740	420	7729	7829	8036	8136
	63NR | 71OR	1782		1455							7889	7989		
	71NR | 80OR	1942		1615							8049	8149		

OR : Open type
NR : Needle valve type

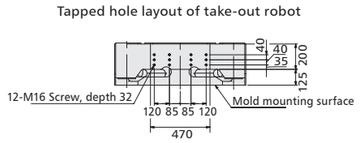


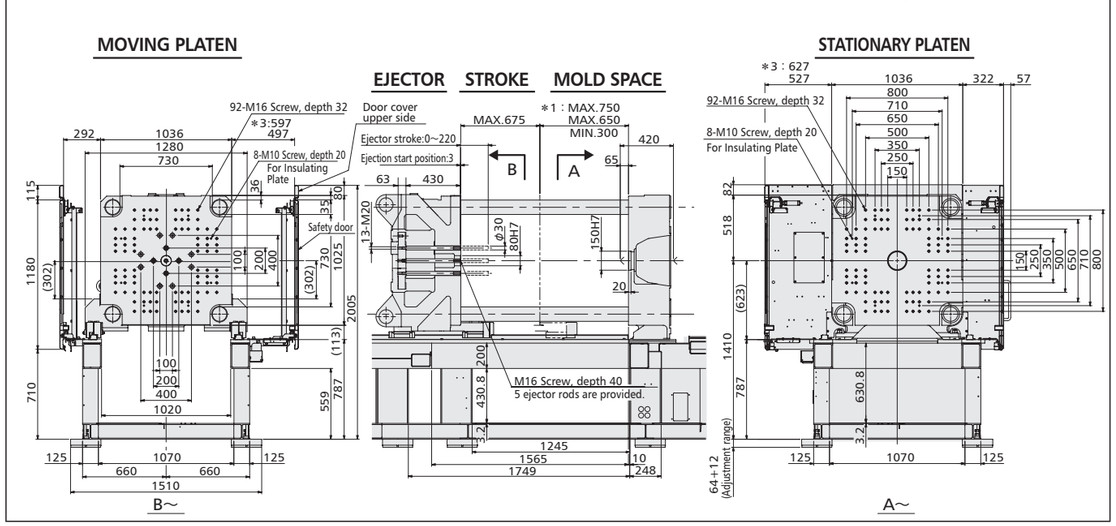
*1,(L'),(T') : Equipped with mold space extension 100mm
*3 : Equipped with safety door wide expansion (100mm) opposite to operation side
*4 : Equipped with dust prevention cover above toggle (Fixed type)
*5 : Equipped with dust prevention cover above toggle (Slide type)

The figure marked with an asterisk (*) shows the case of using no leveling pad.

Mold Mounting Diagram

(Mold Mounting Diagrams comply with JIS B 6701.)





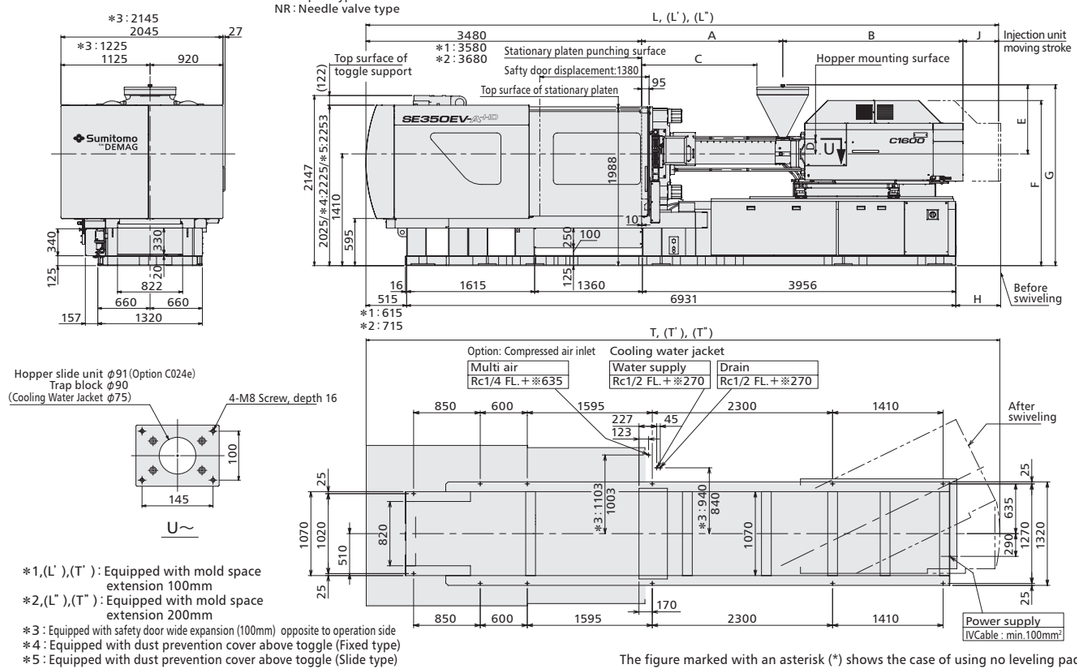
SE350EV-A-HD

Dimension & Foundation Plan

The following drawing's dimensions are Japanese specification.

Injection unit	Screw Diameter	A	B	C	D	E	F	G	H	J	L	(L')	(L")	T	(T')	(T")
C1100	50OR	1252	2044	925	189	872	2080	2282	407	450	7226	7326	7426	7910	8010	8110
	50NR | 56OR	1412		1085							7386	7486	7586			
	56NR	1572		1245							7546	7646	7746			
	63OR	1622	2114	1292							7666	7766	7866			
C1600	56OR	1412	2204	1085	189	872	2080	2282	567	450	7546	7646	7746	8065	8165	8265
	56NR	1572		1245							7706	7806	7906			
	63OR	1622	2274	1292							7826	7926	8026			
	63NR | 71OR	1782		1455							7986	8086	8186			
C2200	63OR	1622	2327	1292	189	872	2066	2282	780	450	7879	7979	8079	8286	8386	8486
	63NR | 71OR	1782		1455							8039	8139	8239			
	71NR | 80OR	1942		1615							8199	8299	8399			

OR : Open type
NR : Needle valve type

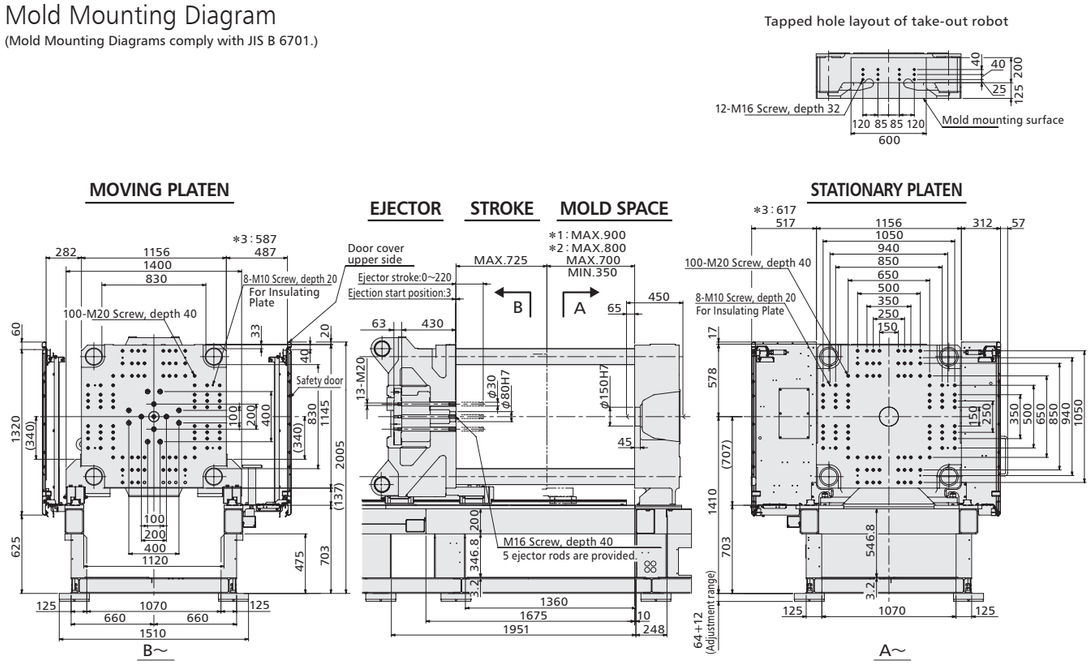


*1,(L'),(T') : Equipped with mold space extension 100mm
*2,(L"),(T") : Equipped with mold space extension 200mm
*3 : Equipped with safety door wide expansion (100mm) opposite to operation side
*4 : Equipped with dust prevention cover above toggle (Fixed type)
*5 : Equipped with dust prevention cover above toggle (Slide type)

The figure marked with an asterisk (*) shows the case of using no leveling pad.

Mold Mounting Diagram

(Mold Mounting Diagrams comply with JIS B 6701.)



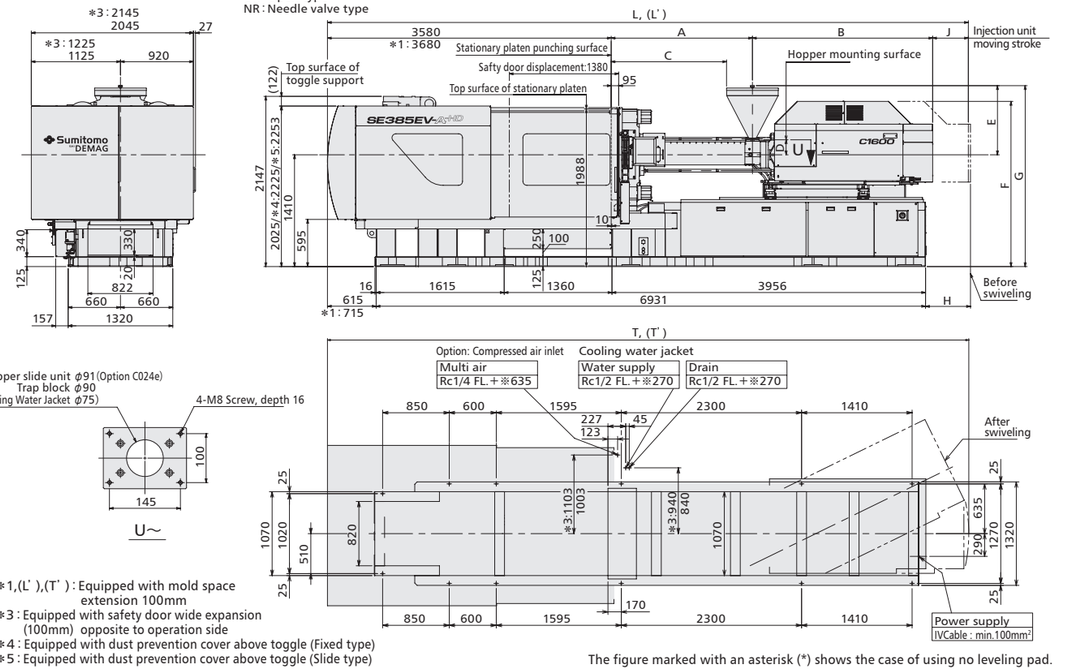
SE385EV-A-HD

Dimension & Foundation Plan

The following drawing's dimensions are Japanese specification.

Injection unit	Screw Diameter	A	B	C	D	E	F	G	H	J	L	(L')	T	(T')
C1100	50OR	1252	2044	925	189	872	2080	2282	407	450	7326	7426	8010	8110
	50NR | 56OR	1412		1085							7486	7586		
	56NR	1572		1245							7646	7746		
	63OR	1622	2114	1292							7766	7866		
C1600	56OR	1412	2204	1085	189	872	2080	2282	567	450	7646	7746	8165	8265
	56NR	1572		1245							7806	7906		
	63OR	1622	2274	1292							7926	8026		
	63NR | 71OR	1782		1455							8086	8186		
C2200	63OR	1622	2327	1292	189	872	2066	2282	780	450	7979	8079	8386	8486
	63NR | 71OR	1782		1455							8139	8239		
	71NR | 80OR	1942		1615							8299	8399		

OR : Open type
NR : Needle valve type

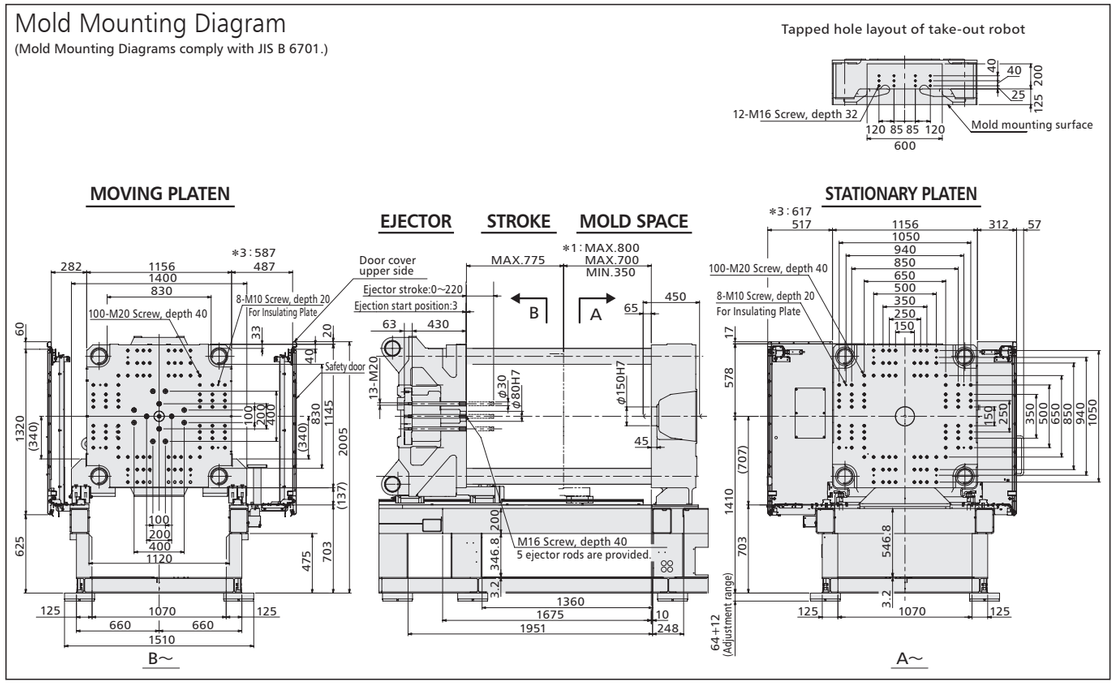


*1,(L'),(T') : Equipped with mold space extension 100mm
*3 : Equipped with safety door wide expansion (100mm) opposite to operation side
*4 : Equipped with dust prevention cover above toggle (Fixed type)
*5 : Equipped with dust prevention cover above toggle (Slide type)

The figure marked with an asterisk (*) shows the case of using no leveling pad.

Mold Mounting Diagram

(Mold Mounting Diagrams comply with JIS B 6701.)



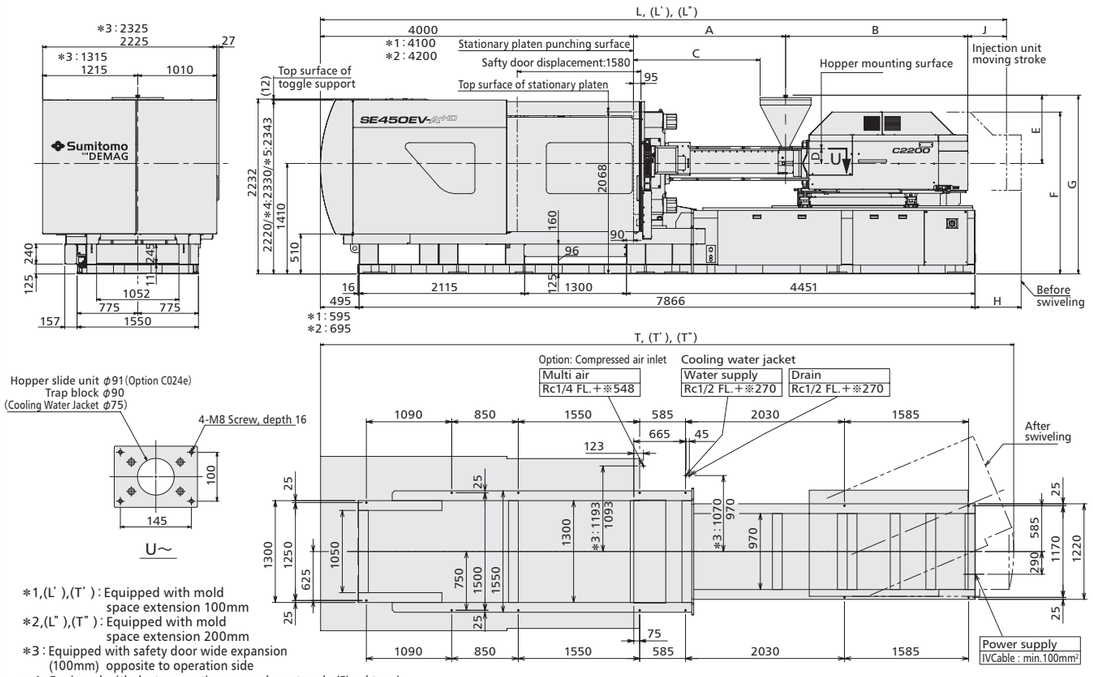
SE450EV-A-HD

Dimension & Foundation Plan

The following drawing's dimensions are Japanese specification.

Injection unit	Screw Diameter	A	B	C	D	E	F	G	H	J	L	(L')	(L")	T	(T')	(T")
C2200	63OR	1622	2327	1295	189	872	2066	2282	590	495	8444	8544	8644	9011	9111	9211
	63NR 71OR	1782		1455							8604	8704	8804			
	71NR 80OR	1942		1615							8764	8864	8964			
	71OR	1782		1455							8804	8904	9004			
C3000	71NR 80OR	1942	2527	1615	189	872	2091	2282	790	495	8964	9064	9164	9205	9305	9405
	80NR 90OR	2102		1775							9124	9224	9324			

OR : Open type
NR : Needle valve type

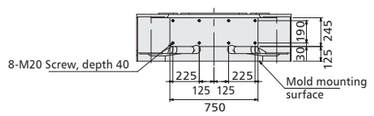


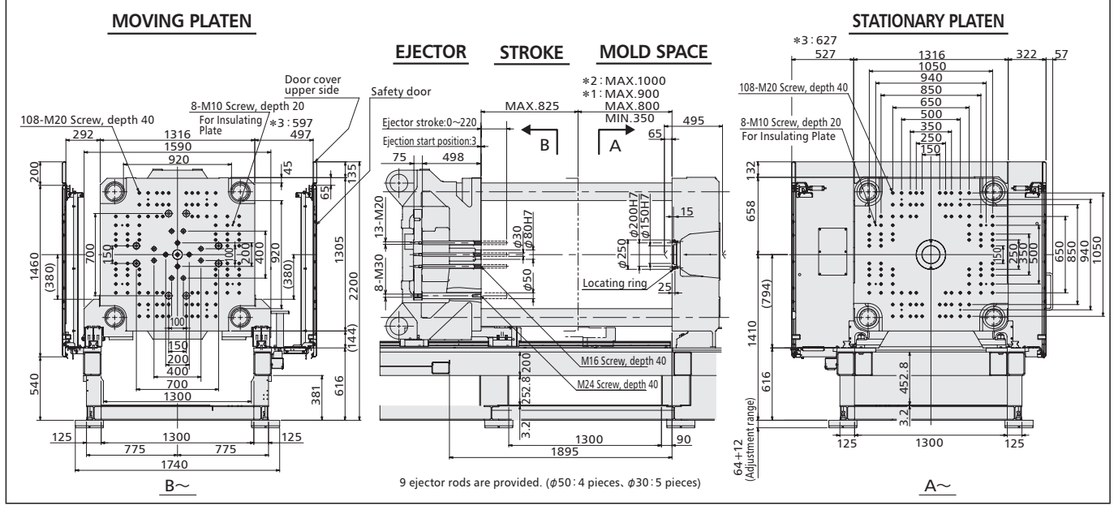
*1,(L'),(T') : Equipped with mold space extension 100mm
*2,(L"),(T") : Equipped with mold space extension 200mm
*3 : Equipped with safety door wide expansion (100mm) opposite to operation side
*4 : Equipped with dust prevention cover above toggle (Fixed type)
*5 : Equipped with dust prevention cover above toggle (Slide type)

The figure marked with an asterisk (*) shows the case of using no leveling pad.

Mold Mounting Diagram

(Mold Mounting Diagrams comply with JIS B 6701.)





9 ejector rods are provided. (φ50 : 4 pieces、φ30 : 5 pieces)

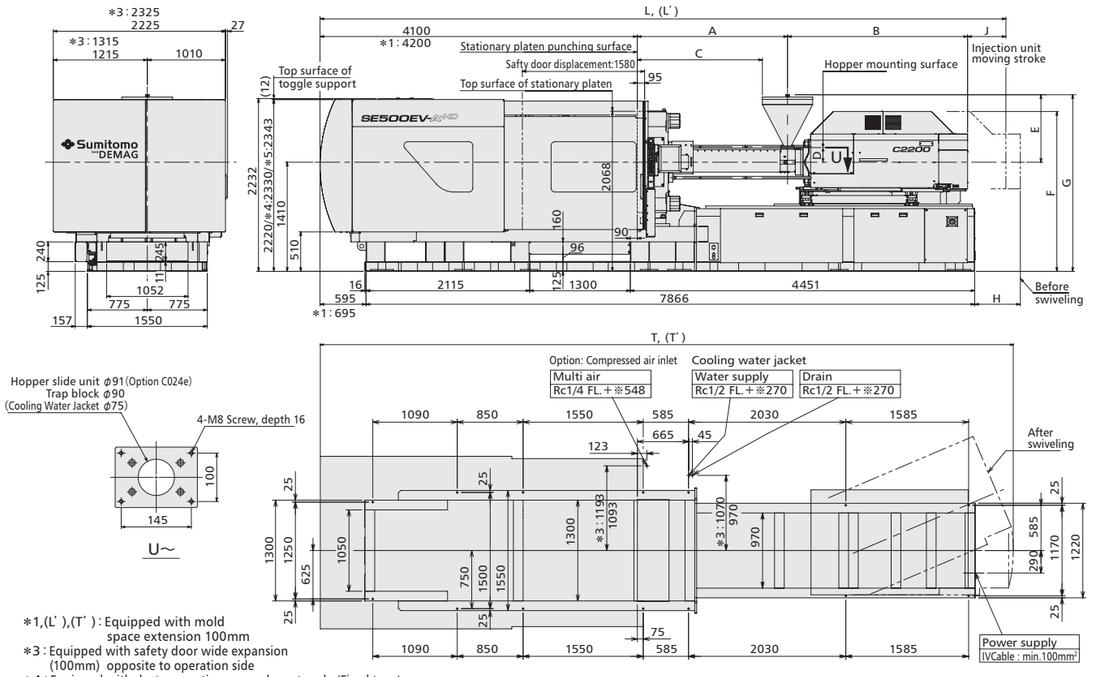
SE500EV-A-HD

Dimension & Foundation Plan

The following drawing's dimensions are Japanese specification.

Injection unit	Screw Diameter	A	B	C	D	E	F	G	H	J	L	(L')	T	(T')
C2200	63OR	1622	2327	1295	189	872	2066	2282	590	495	8544	8644	9111	9211
	63NR 71OR	1782		1455							8704	8804		
	71NR 80OR	1942		1615							8864	8964		
	71OR	1782		1455							8904	9004		
C3000	71NR 80OR	1942	2527	1615	189	872	2091	2282	790	495	9064	9164	9305	9405
	80NR 90OR	2102		1775							9224	9324		

OR : Open type
NR : Needle valve type

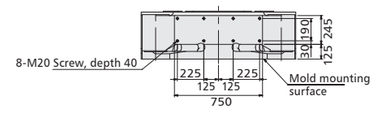


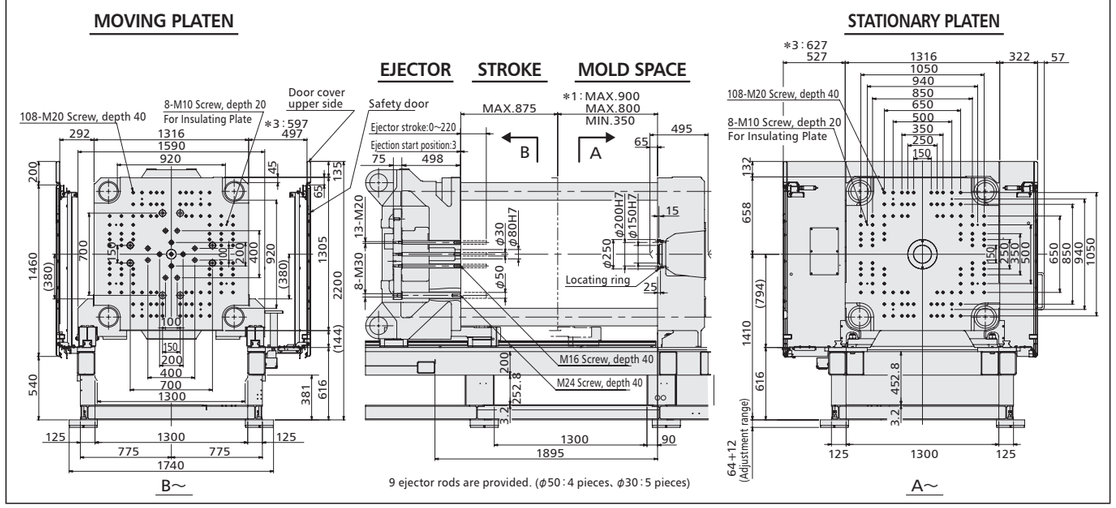
*1,(L'),(T') : Equipped with mold space extension 100mm
*3 : Equipped with safety door wide expansion (100mm) opposite to operation side
*4 : Equipped with dust prevention cover above toggle (Fixed type)
*5 : Equipped with dust prevention cover above toggle (Slide type)

The figure marked with an asterisk (*) shows the case of using no leveling pad.

Mold Mounting Diagram

(Mold Mounting Diagrams comply with JIS B 6701.)





9 ejector rods are provided. (φ50 : 4 pieces、φ30 : 5 pieces)

Standard Equipment

Plasticizing and injection unit
1. Standard SD screw assembly (open nozzle, nitride screw, wear resistant cylinder) (C750 is excluded)
2. Standard SD screw assembly (Open nozzle, nitride screw) (C750 only)
3. Programming control of injection
4. Programming control hold pressure
5. Screw pull back (Before dose start/after dose end)
6. Screw position digital display (Setting 0.01mm)
7. Holding pressure time 0.01 sec setting
8. V-P switchover controller (Pressure, position)
9. Filling delay timer
10. Auto purging with injection unit retract confirmation
11. Cylinder temperature control 6 zones (C750: 5 zones)
12. Cylinder temperature mode setting (Molding/Lowered/Purge)
13. Screw cold start prevention with variable timer
14. Sprue break stroke remote setting (With Detection of nozzle touch, moving time and delay timer)
15. Digital indicator of screw rotation speed
16. Purging cover (With limit switch)
17. Swivel injection unit (With nozzle center adjust device) (C750 is excluded)
18. Remaining cooling time indicator
19. Dose delay timer
20. Injection/Holding response 10-mode
21. Holding pressure speed setting
22. Pull back delay control
23. Synchro dose
24. Reverse control software
25. Temperature control for nozzle
26. Energy saving cylinder cover (Two layer structure)
27. Water cooling jacket temperature control device
28. Screw centering mechanism
29. Mold open operation during dose (Needle nozzle drive control)
30. Filling pressure multi-level control
31. Resin residence protection
32. One touch dose
33. High nozzle touch force and precision unit (Nozzle touch force : 3 stages changeable)
Control unit
1. 15 inch TFT Color LCD screen
2. Touch panel setting input device
3. Internal memory of molding conditions (200 conditions)
4. Operation support function
5. Forming support function
6. Molding profiles display function (Mold profiles storage, cursor, display and so on)
7. Screen snap shot function
8. Take-out robot connection circuit *3
9. 15 languages selection
10. Maintenance guide (Screen display of inspection timing, grease application timing, item, method)
11. Auto start/stop function (Lowered temp, heater on, machine shut down) *3
12. Process display function
13. SSR heater drive circuit
14. Input of industrial unit for speed, position, pressure and rotation rate
15. Machine status output signal (5ch) *3
16. USB connection circuit (Memory)
17. Protection for molding condition
18. Abnormal processing selection
19. Initial reject and interruption reject function
20. Maintenance timing notification (Shot number/Elapsed time)
21. Screen color change
22. Number and character entry key layout change (Selection from two types)

Monitor unit
1. Actual value display function
2. Heater breakage monitor
3. Auxiliary facility monitor (3ch) *3
4. Abnormal monitor (Max. cushion, min. cushion, filling pressure, mold protection, cycle time, weighing time)
5. Automatic setting for abnormality monitoring condition
6. Abnormality history display (Abnormal item, occurrence time display)
7. Quality control function (Actual value statistics function, various graphing function, 100,000 shots stored data check function)
8. Product control (Product quality control device, automatic production stop, stocker signal, logging, counter) *3
9. Auto start device (Heater, external output signal) *3
10. Cylinder heater temperature monitor (All zones)
11. Self diagnosis function
12. Alarm buzzer
13. Shot counter
14. Processing at cycle monitor abnormality (Heater processing mode change)
15. List setting screen
16. Function to prevent use of monitor
17. Ejector torque monitoring
Clamp unit
1. Programmed control of mold opening/closing speed (5-step/3-step)
2. Mold protection
3. Low pressure clamp unit
4. Mold close/open temporary stop
5. Remote control of clamp force
6. Remote control of mold space
7. Ejector remote setting (2-speed control, pressure, stroke, delay timer, multiple time protrusions)
8. Current value input (Ejector protrusion limit position)
9. Current value input (Mold open limit position)
10. Mold clamp mode (Lock up)
11. Ejector protrusion interlock (Possible only at mold open limit during manual operation)
12. Ejector protrusion during mold opening
13. Ejector protrusion during mold closing
14. Ejector plate retun signal (Input signal for molding machine) Connecting by metal concent *3
15. Mold close/mold open signal (Spear control signal) *3
16. Valve gate drive circuit (Control circuit only) *3
17. Mold installation preparation mode (Low speed mold open/close)
18. Toggle cover with polycarbonate sheet
19. Emergency stop push button switch (Operation side, opposite to operation side)
20. Safety door with polycarbonate sheet
21. Hole to install unloader
22. Mold clamp and ejection grease supply pipe
23. Mold clamp safety device (Electric type, mechanical type)
24. Mold open/close low vibration/high speed mode selection function
25. Moving platens support device -- linear guide
26. Double center press platen
27. Ejected products sensor circuit *3
28. Multi-toggle
29. Tie bar plating
30. Ejector unit with brake
31. S-MOVE (Low vibration control)
32. Ejector waiting
33. Mold thickness servo control
Others
1. Auto grease supply unit (Cartridge grease type)
2. Mold cooling water block (2 systems) (Flow indicator and valve are options)
3. Standard tool (Offset wrench for nozzle)
4. Standard spare parts (Set screw with hexagonal hole, ring, filter)

Screw Assembly

Specification		Ion-nitride	Plated	Wear-resistant	Wear/corrosion-resistant A	Wear/corrosion-resistant B
Material	Screw	Ion-nitride	Plated	Wear/corrosion-resistant A	Wear/corrosion-resistant A	Wear/corrosion-resistant B
	Heating cylinder	Wear-resistant	Wear-resistant	Wear-resistant	Wear/corrosion-resistant A	Wear/corrosion-resistant B
	Screw tip	Rotating check ring	Rotating check ring	Wear/corrosion-resistant A (Non rotating check ring)	Wear/corrosion-resistant A (Non rotating check ring)	Wear/corrosion-resistant C (Non rotating check ring)
Screw type	SD screw	○	○	○	○	○
	SM screw	—	○	○	○	—
Anti-wearing ability		★	★	★★	★★	★★★
Anti - corrosion ability		★	★	★	★★	★★
Applicable resin		No wearing and corrosion material	Material to hate burning and staying	Material less 30% GF	Material less 30% GF, fireproof material	Material less 30% GF, fireproof material Material over 30% filler GB, CF, MR

★★★ : Optimum ★★ : Excellent ★ : Good

Optional Equipment

Plasticizing selection
1. Hard chromium plating screw assembly
2. Wear/corrosion resistant screw assembly (C750 is excluded)
3. Wear & corrosion resistant A screw assembly
4. Wear & corrosion resistant B screw assembly
5. SM screw assembly
6. Needle valve nozzle (Air type nozzle open/close cylinder) (C750 is excluded)
7. Extension nozzle
8. Cylinder nozzle
9. Z1 High capacity heater
10. Needle valve shut off nozzle (Air type nozzle open/close cylinder) (For C750 only)
Plasticizing and injection unit
1. Resin temperature sensing device (Only when needle valve nozzle is equipped)
2. Standard type hopper
3. V/P switchover by mold cavity pressure
4. Needle valve nozzle drive circuit
5. Hopper slide device
6. Plating resin inlet of cooling water jacket
7. Circulation air assist device for plasticization (Not applied to C750)
8. Purge resin receiving tray (Stainless steel)
9. Heater for PA (Nylon) resin
10. High filling specification *1
11. Power module for thick-wall molding
Control and monitor unit
1. Leak circuit breaker (AC200V, 220V 3ø3W+E) (Japan and Asia only)
2. Mold temperature monitoring (K type)
3. Mold temperature monitoring (J type)
4. Mold automatic temperature adjuster
5. Automatic starting system (Heater+water supply+external output signal)
6. Revolving alarm lamp
7. High function 3 color LED signal tower
8. Closed circuit type cooling water pipe 1 system 4 branches
9. Closed circuit type cooling water pipe 1 system 2 branches
10. Closed circuit type cooling water pipe 2 systems 10 branches
11. Electric power supply socket
12. Power source outlet for tool
13. Motion07
14. Emergency stop interlock (Unloader, cart) *3
15. DC24V power for external signal equipped (Power source only)
Clamp unit
1. Hydraulic core pull hydraulic pipe
2. Hydraulic core pull control circuit
3. Pneumatic core pull
4. Pneumatic core pull circuit
5. Core rotation control circuit
6. SPI take-out robot connection circuit
7. SPI AN-146/EUROMAP67 product unloader connection circuit
8. High precision heat insulating plate (5mm, 10mm, cross type) *4
9. Die Clamp control unit
10. Valve gate drive circuit & control circuit
11. Locate diameter 100 mm (Applied to screw dia. ø45 -- ø56)
12. Full metallic toggle cover
13. Hydraulic package
14. SPI pattern platen
15. EUROMAP pattern platen
16. Locating ring (Cooling fit, bolted)
17. Safety door automatic open/close device (Operation side)
18. Safety door automatic open/close device (Opposite to operation side)
19. Mold space extension 100mm *2
20. Mold space extension 200mm *2
21. T groove platen
22. Slide core return check *3
23. Hydraulic drive circuit (Built-in)
24. Dust prevention cover above toggle (Fixed type) *2
25. Dust prevention cover above toggle (Slide type) *2
26. Hydraulic drive circuit (Separate type)
27. Increased ejector force
28. Multi air
29. Mold clamp connection circuit *3
30. Magnet clamp connection circuit *3
31. Safety door release specification control circuit
32. Safety door wide expansion (100mm) opposite to operation side *2
33. Cooling water pipe 2 systems 8 branches
Spare parts and accessories
1. Spare parts (Mechanical parts: Mechanical stopper, lub. parts)
2. Spare parts (Electrical parts: Thermocouple)
3. Spare parts for export. (Encorder, limit switch, and inductive proximity sensors)
4. Leveling pads (For one machine)
5. Anchor bolts (For one machine)
6. Locating ring (Transition fit)
7. Tool A (Tool, tool box, rocol paste)
8. Ejector rods
9. Grease gun
10. Grease cartridge for automatic lub (700 cc)
11. Grease cartridge for manual lub (400 cc)
12. Injection unit turning handle
13. Tool for disassembly screw tip set
14. Easy Clamp

*1 The max. injection speed differs as follows. C750HD -- C2200HD: 280 mm/s C3000HD: 220 mm/s
*2 The extended distance is added to the machine dimensions. Please refer to the drawing of machines.
*3 All input and output signals are no-voltage contact signals. Power is not supplied with output signals.
*4 The max. width is 1000 mm for SE350EV-A-HD - SE500EV-A-HD.

● Specifications may subject to change without notice for performance improvements.

List of Preparation Items (Summary)

Main breaker capacity

Machine	Main breaker capacity
SE220EV-A-HD～SE385EV-A-HD	225A
SE450EV-A-HD～SE500EV-A-HD	250A

● Voltage and frequency of main power source is applicable to the areas of AC200V-50Hz/AC200V-60Hz/AC220V-60Hz.
● Connect to the mating of 3-phases 3-wires, & grounding cable.

Primary side in-line size, grounding cable size

Machine	Primary side power cable size	Primary side power terminal screw size	Grounding cable size	Grounding cable terminal screw size
SE220EV-A-HD～SE500EV-A-HD	100mm²	M8	50mm²	M8

● The size of electric cables listed above is based on the allowable current when the ambient temperature of piping of a single core polyvinyl cable is 40℃.
● The values listed above are calculated base on the sum of load current listed in the item of main breaker capacity. When the power must be supplied in large quantities to auxiliary equipment from the molding machine, it is required to use a large size cable. However, there may be enough room for the size of the cable currently used depending on the selection of the options.
● Voltage fluctuation of the power source must be within ±10% of the rated voltage at the power source contact point (main breaker) on the molding machine side.
● Protection network against service interruption is not provided for the control circuit of the molding machine. When the instant interruption time exceeds one cycle, the molding machine may stop running in some cases. In an area where instant service interruptions are frequent due to thunderbolts, be sure to install an uninterruptive power supply system at the plant site.

Spare sockets (Optional)

The increased number of power sockets are available for auxiliary equipment such as auto loader and mold temperature controller to flexibly meet the requirement for customer's molding systems, to which a necessary number of sockets can be added to connect their peripheral equipment.

※The table shows the limit of total Amperage available at the same time when each type of molding machine runs.

Calculated values (ref. values) of cooling water

■Cooling water line of water jacket

Machine	Band heater capacity	Required cooling water
C750 ϕ50	12.2kW	2.8ℓ/min
C1100 ϕ63	28.4kW	6.6ℓ/min
C1600 ϕ71	30.5kW	7.1ℓ/min
C2200 ϕ80	34.6kW	8.0ℓ/min
C3000 ϕ90	35.0kW	8.1ℓ/min

■Mold cooling water line

※Cooling water required for 1 line is approx 5ℓ/min.

Machine	Total cooling water required for 2 lines.
SE220EV-A-HD～SE500EV-A-HD	10ℓ/min