



SE-HY series

SUMITOMO HYBRID INJECTION MOLDING MACHINE

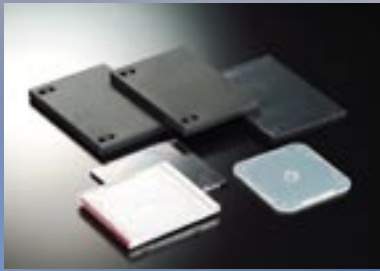
You Can Expect A Substantial Reduction of Production Cost including

- Total cost of plant and equipment
- Cost of materials
- Electric charges
- Maintenance cost
- Cost of line management



Photographs includes optional divices.





Hybrid Machine Designed for High Performance

The Highest Speed of Mold Opening/Closing in the Same Class of Machines
High Injection Capacity, High Response, High Rigidity of Platen

- High Productivity ... The highest speed of mold opening/closing, the highest injection capacity and stackability in the same class of machines.
- Mold Friendly Center press platen and smooth mold open/close operation.
- Wide Applicability ... High speed and high capacity of injection for a wide range of molded products.
- High Stability High precision in mold open/close stop and ejector stop and high reproducibility of injection.
- High Durability Field-proven high-cycle toggle clamping mechanism and high-load injection mechanism.

Hybrid Mechanism

DCPP (Double Center Press Platen)

Standard platen cannot provide more uniform clamp force because clamp force direct apply to upper and lower edges of platen. Double center press platen can provide more uniform clamp force because clamp force is distribute evenly to center of platen due to design structure.

●Solve flash and short shot at the same time.

Standard platen: Unbalanced clamp force
Flash tends to appear at center of platen.
Short shot tends to appear at edges of platen.

Double Center Press Platen: More uniform clamp force by DCPD can release air from the mold easily. DCPD also provides high pressure at the center of platen. As a result, you can solve flash and short shot at the same time.

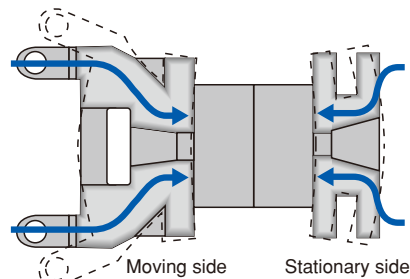
●Reduce clamp force 20 to 30% compared to standard platen

DCPD can reduce clamp force due to more uniform clamp force.

●Longer mold life

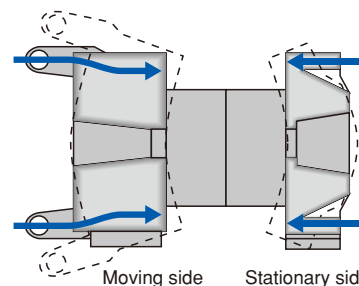
Wear of the mold is caused by deformation of platen because of high surface pressure at the edge of platen. DCPD provides less wearing with less deformation of platen due to more uniform clamp force. Moreover, you can decrease frequency of mold vent cleaning.

DCPD (Double Center Press Platen)



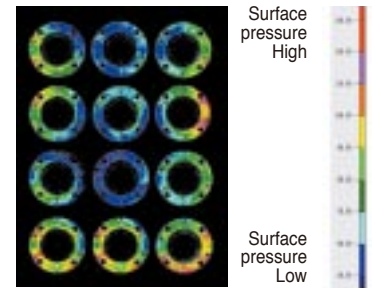
The double center press platen is designed for smooth transmission of the clamp force to the center area as shown in the figure, which can minimize the deflection of the platen.

Conventional Platen



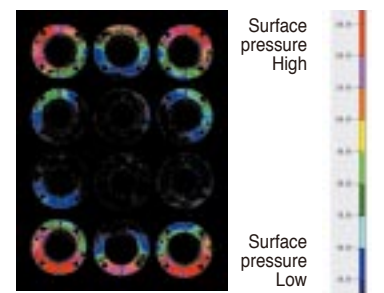
The conventional platen disperses the clamp force upwards and downwards, so that it is deflected as shown in the figure. This deflection reduces the surface pressure around the center area of the molds, causing flash and the core pins to damage.

A more uniform surface pressure distribution is provided.



Example of surface pressures measured (12 cavities cup molds measured with pressure-sensitive paper)

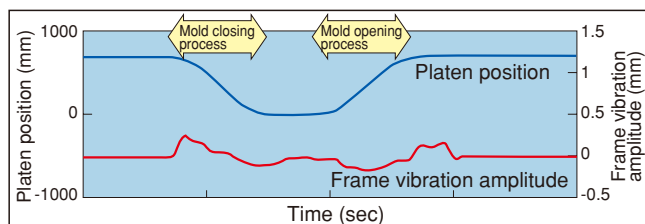
The surface pressure is very high on the upper and lower area of molds, but relatively low at the center part.



Example of surface pressures measured (12 cavities cup molds measured with pressure-sensitive paper)

Low Vibrations

The high-precision mold open/close control and the highly rigid frame ensure smooth mold open/close operation with few vibrations. The frame vibration amplitude is reduced 50% relative to the conventional hydraulic machines.

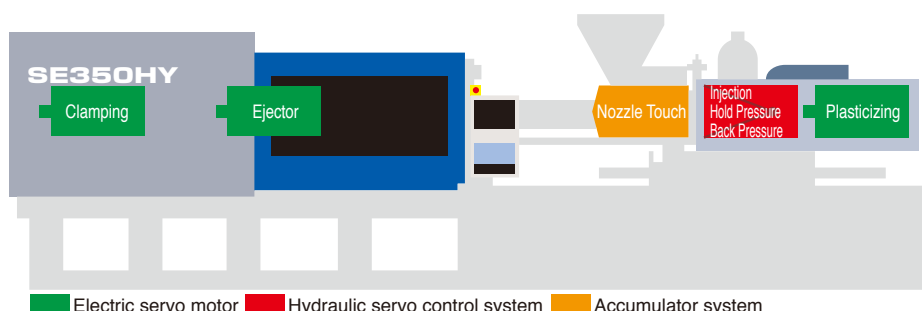


Tie-bar Support System (Option)



The tie bar is supported on the frame to prevent its bending due to the mold weight and the fall-down of the platen, ensuring the high-precision clamping and the longer service life of molds.
(Patent pending)

Hybrid Mechanism



The Injection Unit designed based on the SE-S series electric molding machines is driven by a hydraulic servo valve with a high-capacity accumulator in order to substantially increase the injection power.

The hybrid molding machine ensures high-speed molding of multi-type products of thin and viscous resin with high precision.

DD Servo Motor (SE350HY or the smaller models)

A newly developed high-load DD servo motor is adopted in the plasticizing drive mechanism, which realizes low noise in the high-speed rotation environment. (Patent pending) (The mold opening/closing, ejector and the SE450HY are belt-driven type.)



Nozzle Touch & Screw Support Systems

● **High-precision high-power nozzle touch system** / The 2-unit plasticizing displacement system can prevent the platen falling down and contribute the longer life of molds.

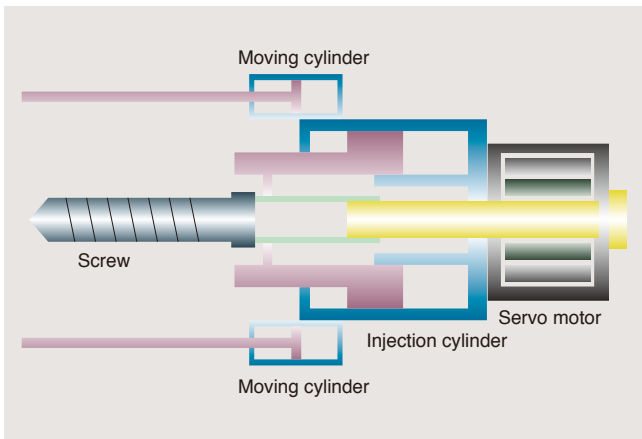
● **Screw support system** / The heating cylinder end is supported by a support mechanism to prevent a resin leak and nozzle strain due to any center deviation between the nozzle and the mold. (Patent pending)



Injection Unit

The injection unit has a simple structure unique to SHI that uses no ball screw, ensuring its high reliability and long service life.

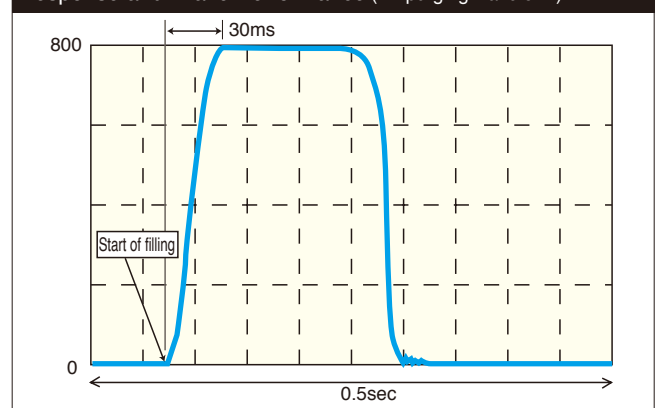
● **The injection unit use no grease**, reducing the grease consumption in the machine to half.



High Injection Response

The digital servo valve with high response and superior reproducibility can prevent the uneven thickness and burrs of the resin, ensuring the stabilized quality and thinness of molded products.

Response and Brake Performance (Air purging waveform)



Performance Comparison

Performance	High Productivity	High Response Injection	High Plasticizing Capacity	High Load Molding	Low Vibrations	Energy Saving	Stackability	Mold Open/Close Stop Precision	Ejector Stop Precision
SE-HY	★★★★	★★★★	★★★★	★★★★	★★★★	★★	★★★★	★★★★	★★★★
Electric Molding Machine	★★	★★	★★	★★	★★★★	★★★★	★★	★★★★	★★★★
Electric Injection Molding Machine	★★	★★	★★	★★★★	★★	★★	★★	★	★
Hydraulic Molding Machine	★★	★★	★★	★★★★	★★	★	★★	★	★

★★★★:Superior ★★★:Good ★:Inferior

Hybrid Performance

High-capacity Accumulator Circuit

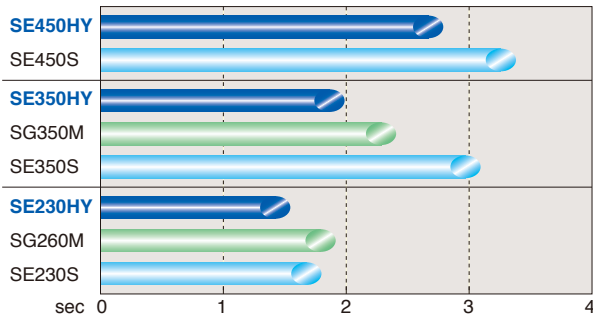


This machine is provided with a hydraulic circuit consisting of a high-capacity accumulator combined with a high-response servo valve, realizing a high-speed, high-response injection.

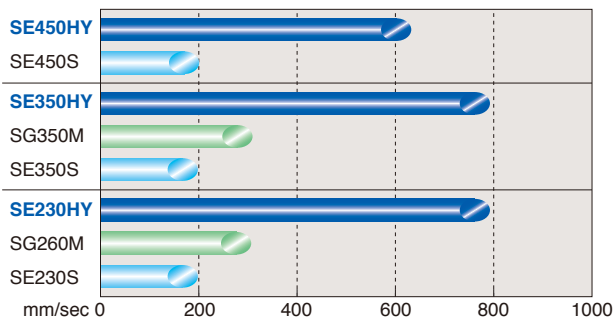
Fast cycle Specifications

This machine is designed on standard specifications to ensure fast cycle molding.

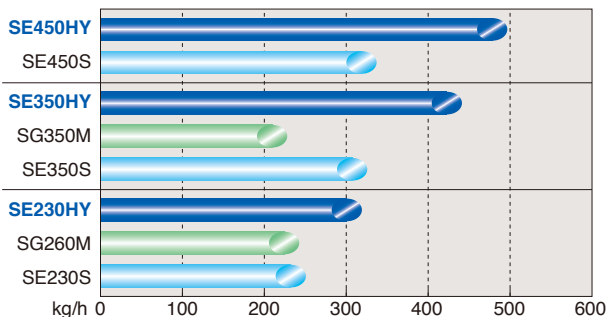
Shortest time of mold opening/closing in the same class



High-speed injection for thin molding



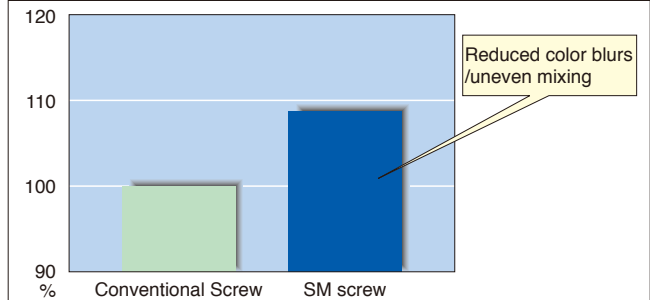
High-capacity injection for shorter time of plasticizing



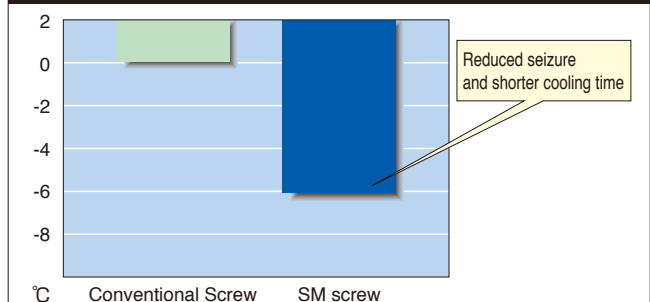
SM Screw for Plasticizing at Low Temperature

The Sumi-Melt (SM) screw is an improved version of the conventional high-rate mixing screw which can obtain uniformly melt resin at a lower temperature. Its low-temperature plasticizing performance contributes to a reduction of seizure and uneven mixing and a shorter cycle of molding.

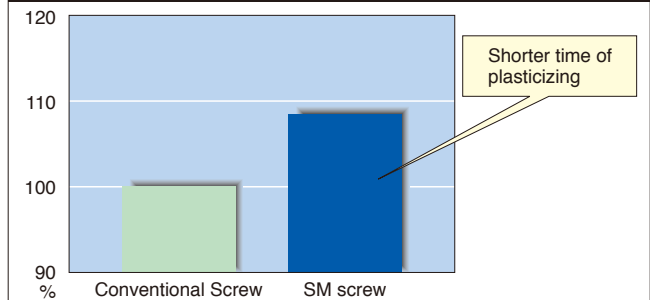
Mixing Rate



Fall of Resin Temperature



Plasticizing Capacity



NVII Controller

Easy-to-see Large Color LCD

The NVII Controller is provided with a larger color LCD than that in the conventional injection molding machines.

One-touch Changeover of 3 Languages

The language changeover function is capable of changeover of Japanese, English and Chinese.

User-friendly Operating Position

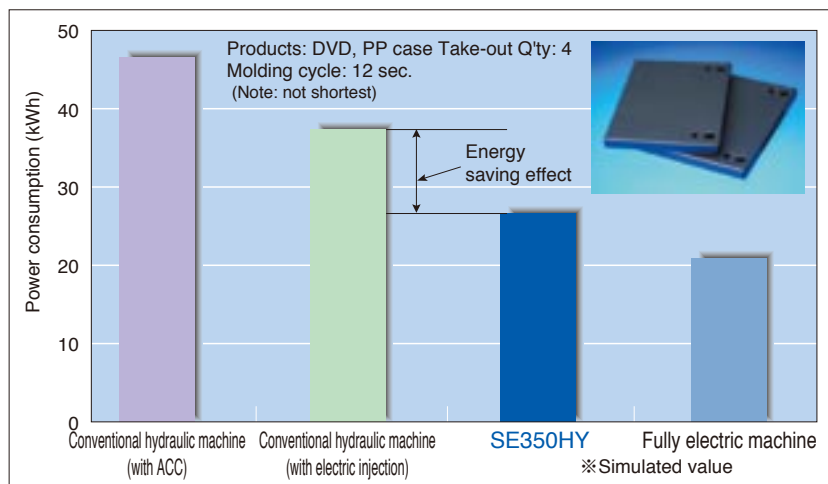
The NVII Controller mounted on the stationary platen can be operated at a standing position watching molded products and molds.



Comparison of Power Consumptions

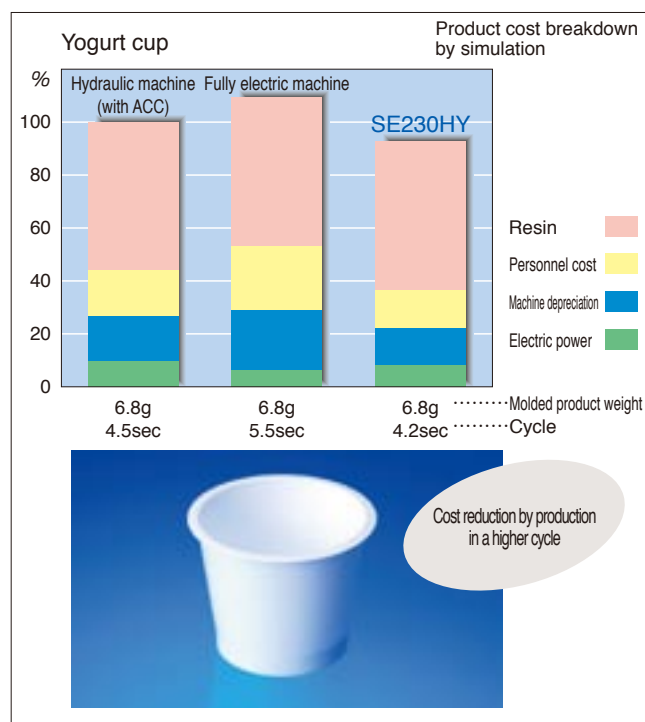
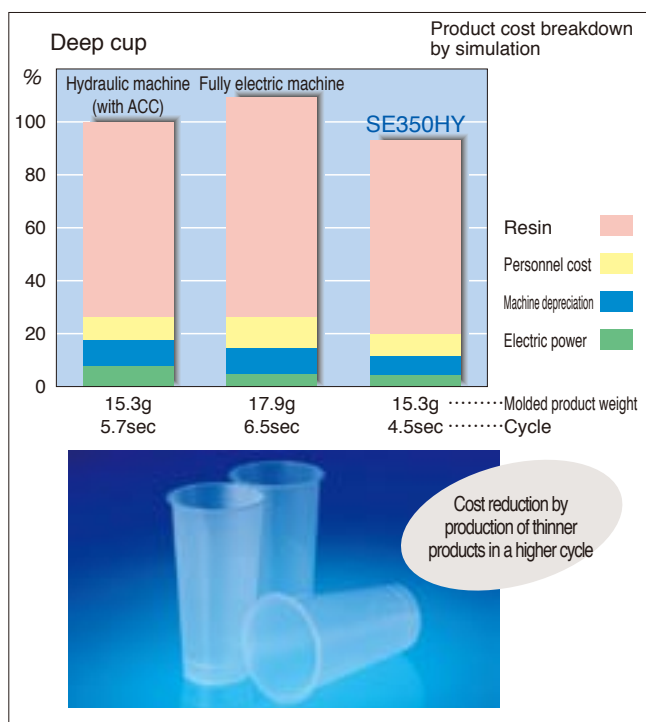
The SE-HY series is a very economical machine having a higher effect of energy saving of approx. 20kWh than the conventional hydraulic machine (with an accumulator) and approx. 11kWh than the molding machine with an electric plasticizing unit.

Molding machine type (300-ton class)	Hydraulic drive motor
Conventional hydraulic machine (with ACC)	75kW
Conventional hydraulic machine (with electric injection)	55kW
SE350HY	22kW
Fully electric molding machine	—



Cost Comparison of Molded Products by Machine

The cup production cost structure consists of a resin cost, a personnel cost, a machine depreciation cost and a running cost (electric power charges). The resin cost accounts for more than 60% of the mass production cost. The SE-HY series has the superior features to allow the production of thinner products than the conventional machines, contributing to the lower unit prices of the products. The molding cycle is shorter, ensuring the reduction in the line personnel cost, machine depreciation cost and other costs for an increased production quantity per time unit.



Series Lineup

	SE230HY	SE260HY	SE350HY	SE450HY
Clamping force	2250kN {230tf}	2540kN {260tf}	3430kN {350tf}	4410kN {450tf}
Injection unit	C1250	C1600	C2500	C3300
Screw diameter	50mm	56mm	71mm	80mm
Injection capacity ※1	217kg/h	267kg/h	370kg/h	440kg/h
Max. injection speed ※2	800mm/s	800mm/s	800mm/s	625mm/s

※1/GGPS:The injection capacity is a screw value at the screws maximum revolutions. ※2/Air shots:The maximum injection speed is a value of air shots under SHI standard.

Hybrid Advantages

Molded Products

Containers



●Mass production

Long-time stable molding and stacked molds

●Multiple take-outs

High-rigidity platen, high-response, high-power injection and high injection capacity

●Thin products

High-rigidity platen and high-response, high-power injection

●High cycle

Durable clamping mechanism and high-speed mold opening/closing

●In-mold labeling

Clean environment and automation

●Cleanliness

Free of oil contamination around the platen and other contaminations

Media-related Products



Medical Products



●Cleanliness

Free of oil contamination around the platen and other contaminations

●Mass production

Long-time stable molding and stacked molds

●Multiple take-outs

High-rigidity platen and high-response, high-power injection

●High cycle

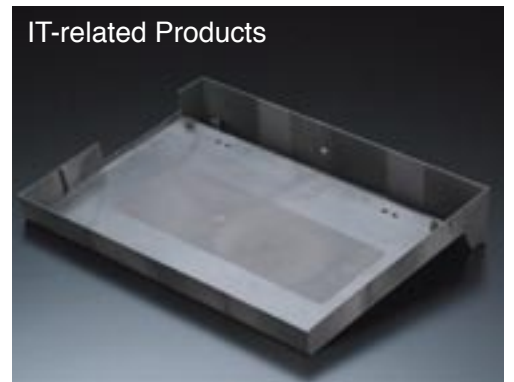
Durable clamping mechanism and high-speed mold opening/closing

- Mass production Long-time stable molding and stacked molds
- Multiple take-outs High-rigidity platen, high-response, high-power injection and high injection capacity
- Medium thickness High-rigidity platen, and high-response, high-power injection
- High cycle Durable clamping mechanism and high-speed mold opening/closing

Gardening Products



IT-related Products



●Thinness (high-strength resin)

High-response, high-power injection and high-rigidity platen

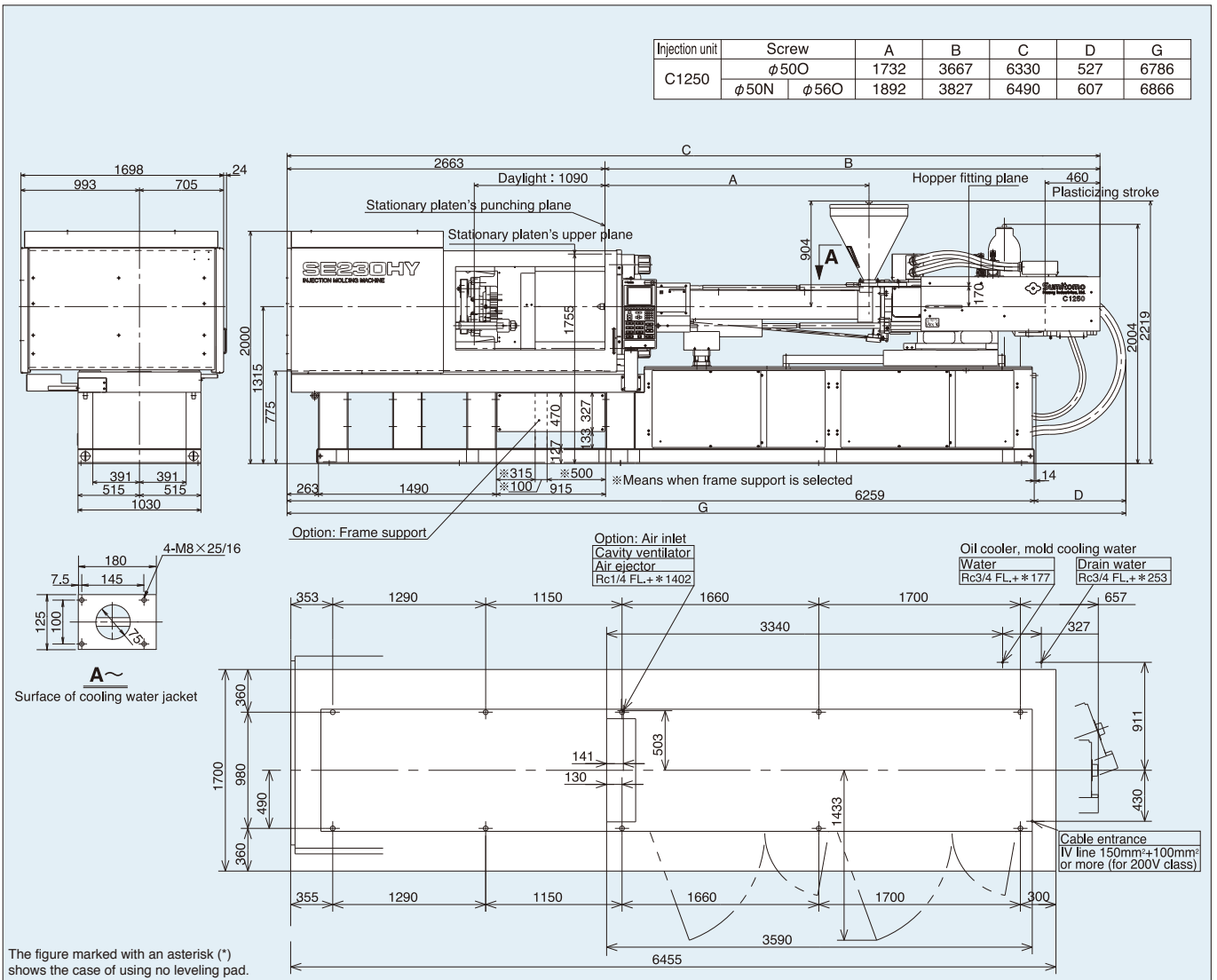
●Low stress

High-response injection and precise pressure control

- High injection capacity High plasticizing capacity
- Multiple take-outs High-rigidity platen and high-response, high-power injection
- Medium thickness High-rigidity platen and high-response, high-power injection

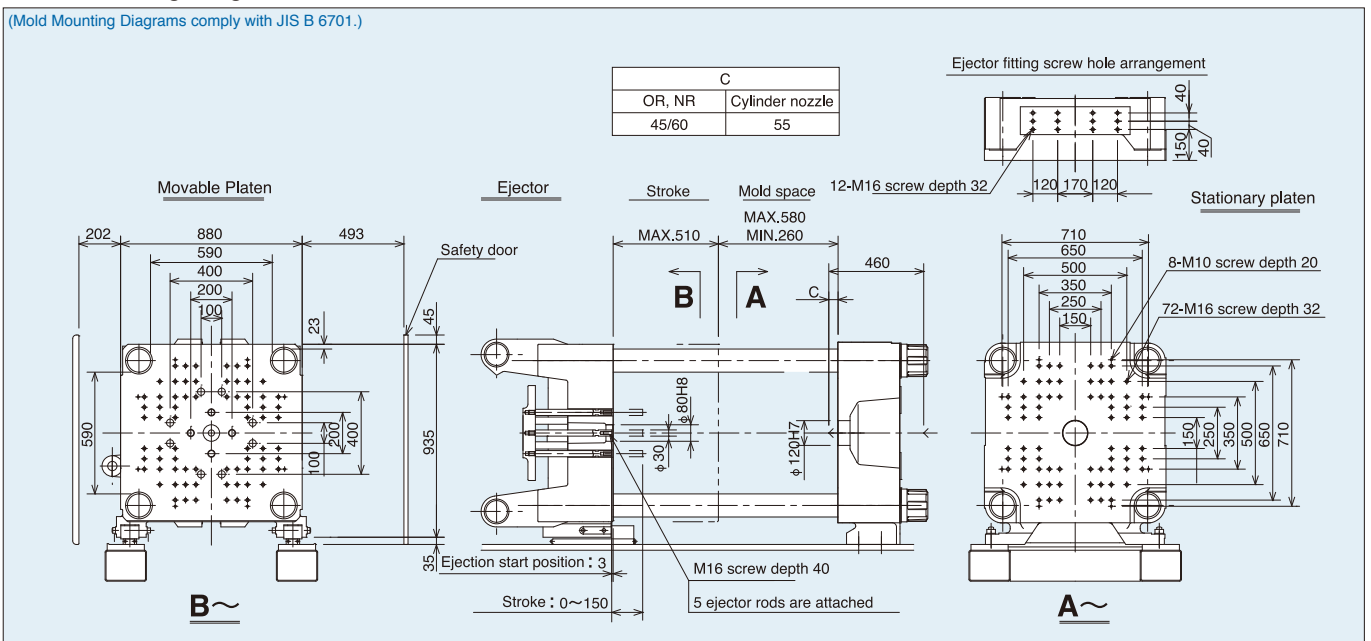
The following drawing's dimensions are Japanese specification

Machine Dimension & Installation Diagram



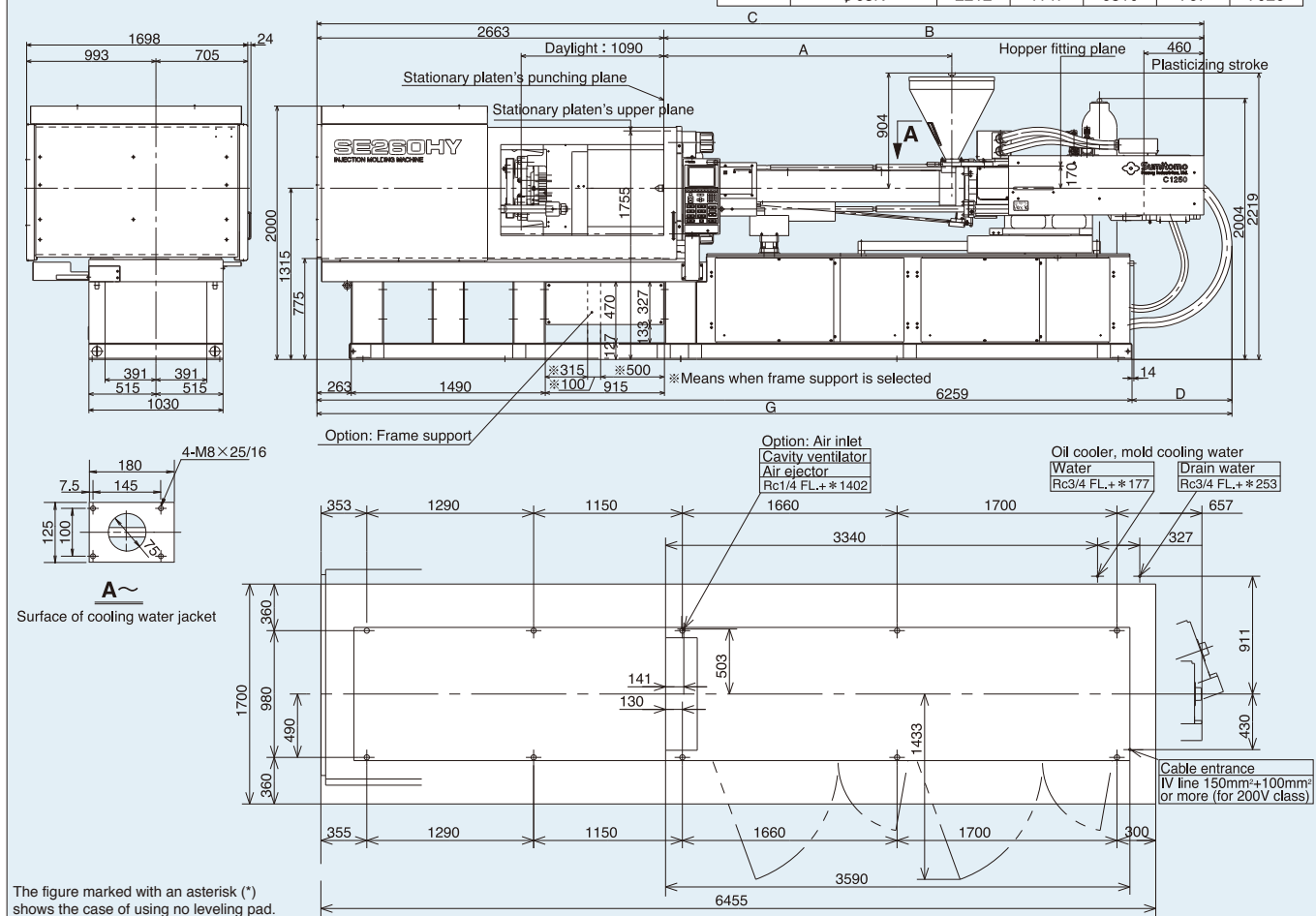
Mold Mounting Diagram

(Mold Mounting Diagrams comply with JIS B 6701.)

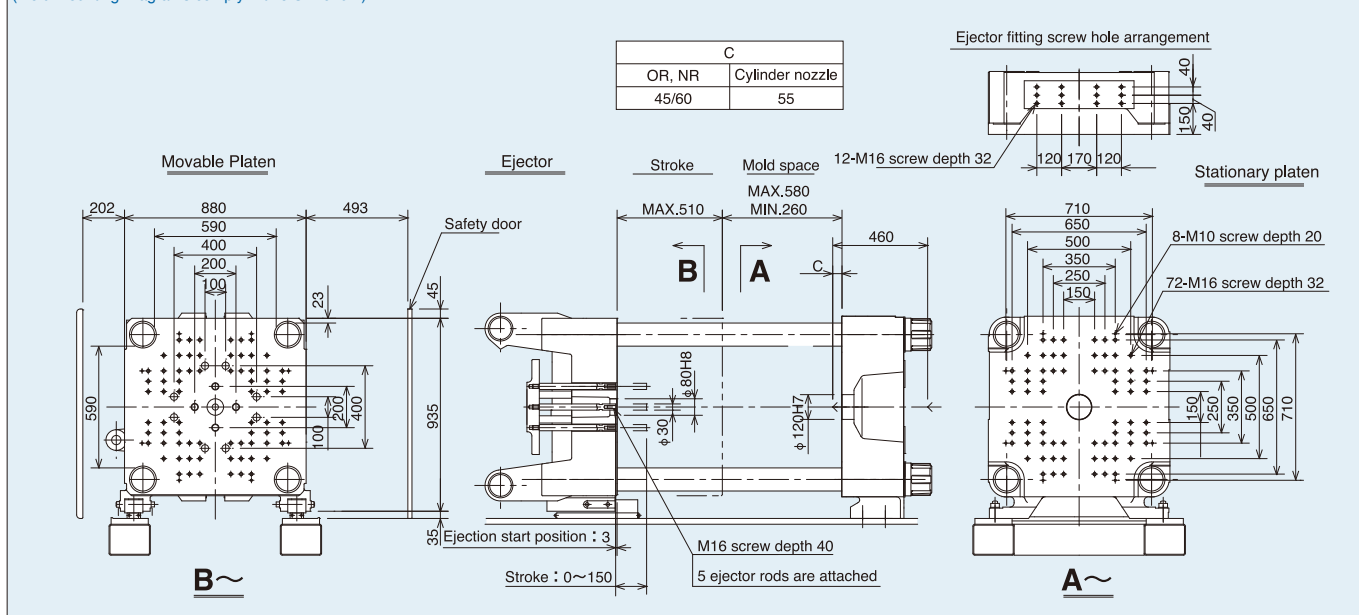


The following drawing's dimensions are Japanese specification

Injection unit	Screw		A	B	C	D	G
C1250	φ50O		1732	3667	6330	527	6786
	φ50N	φ56O	1892	3827	6490	607	6866
C1600	φ56N	φ63O	2052	3987	6650	687	6946
	φ63N		2212	4147	6810	767	7026

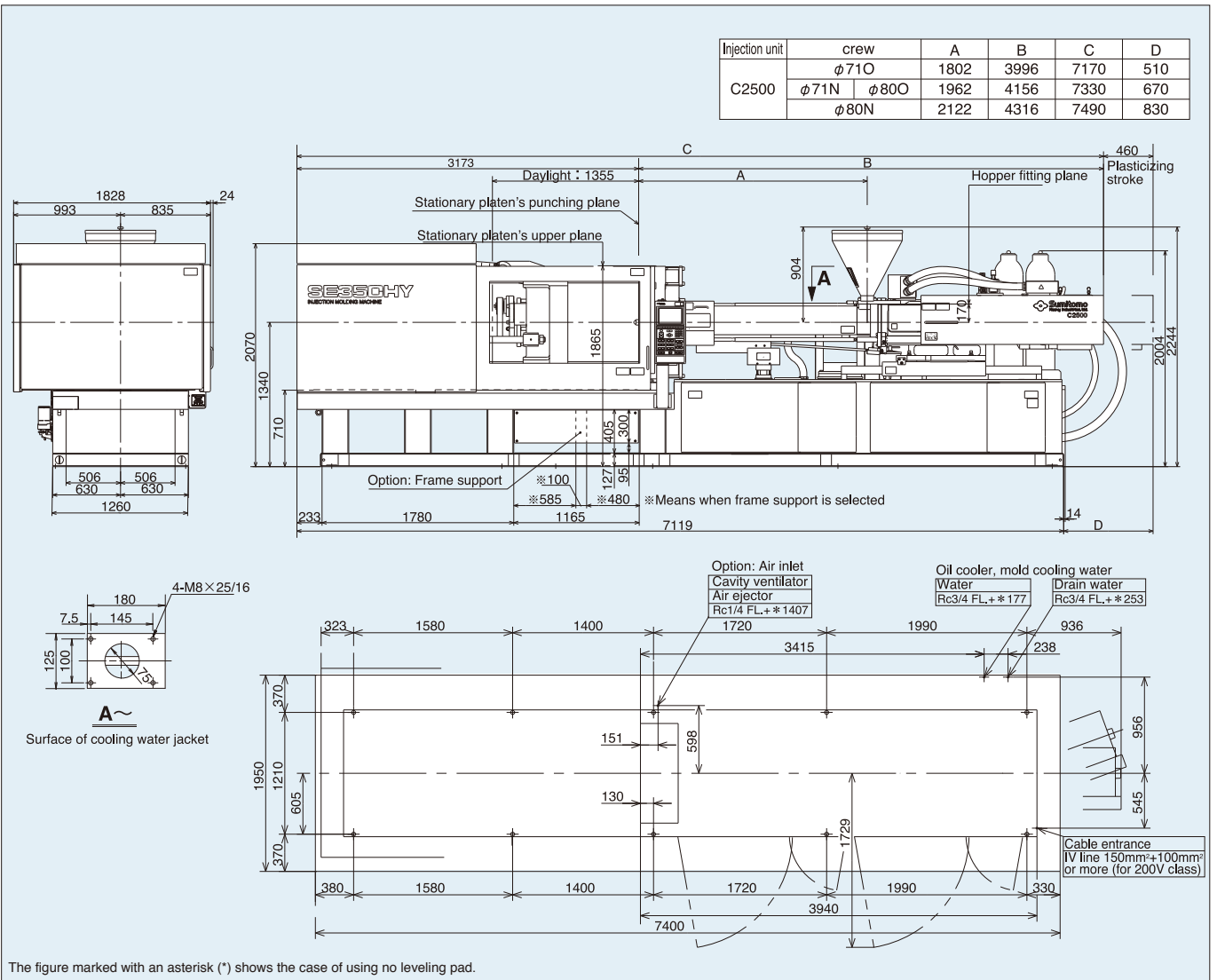


(Mold Mounting Diagrams comply with JIS B 6701.)



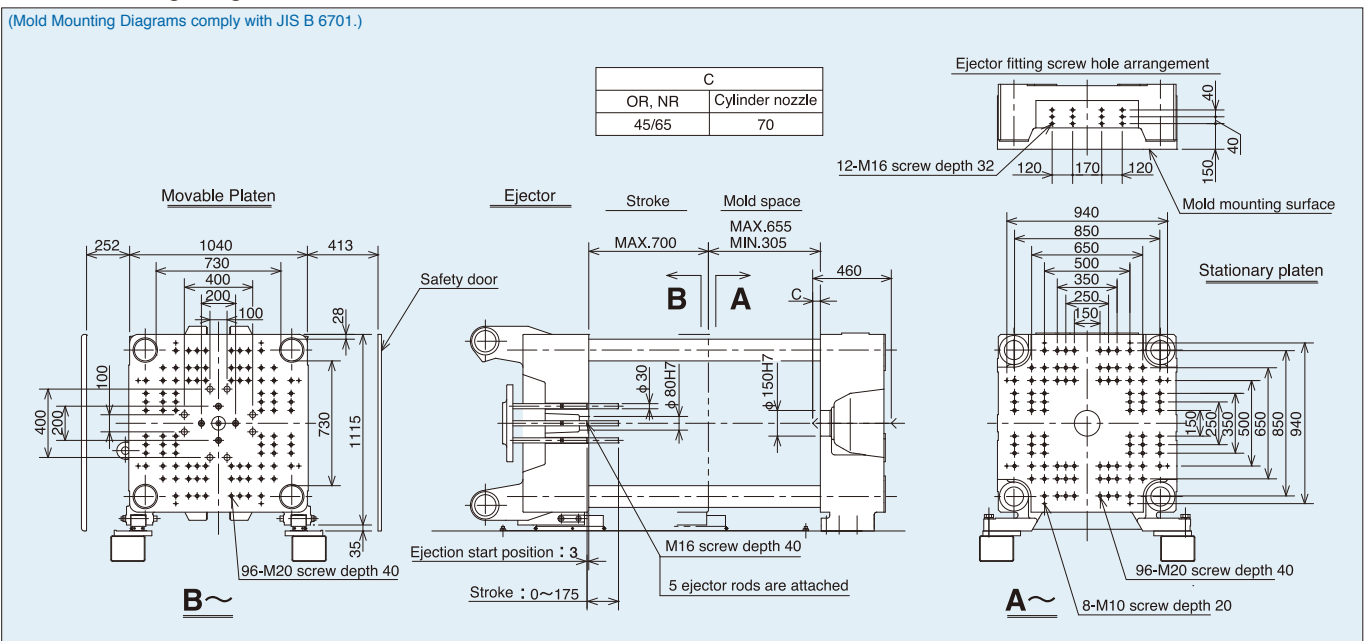
The following drawing's dimensions are Japanese specification

Machine Dimension & Installation Diagram



Mold Mounting Diagram

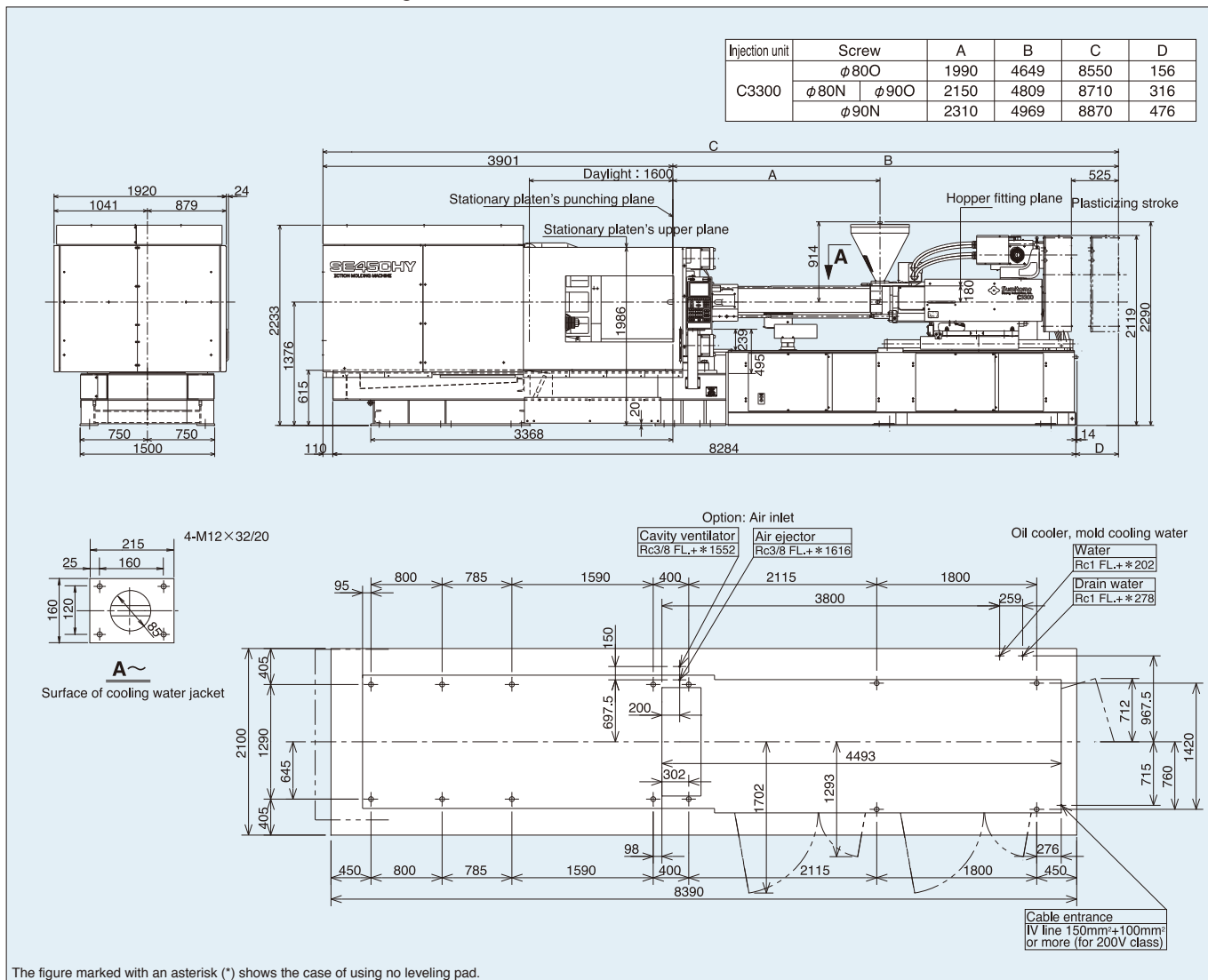
(Mold Mounting Diagrams comply with JIS B 6701.)



SE450HY

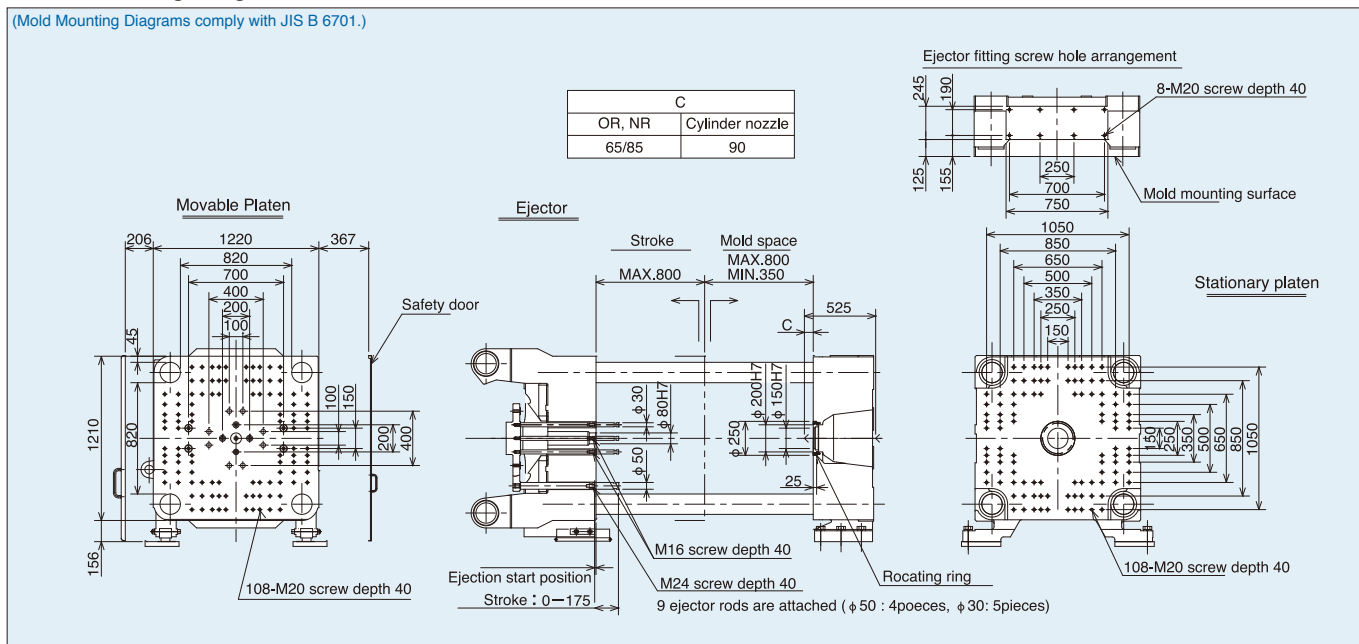
The following drawing's dimensions are Japanese specification

Machine Dimension & Installation Diagram



Mold Mounting Diagram

(Mold Mounting Diagrams comply with JIS B 6701.)



Main Specifications

Main Specifications

	Unit	SE230HY	SE260HY	SE350HY	SE450HY
●Clamp unit					
Clamp system		Double toggle (5 point) Electric	Double toggle (5 point) Electric	Double toggle (5 point) Electric	Double toggle (5 point) Electric
Clamp force	kN {tf}	2250 { 230 }	2540 { 260 }	3430 {350}	4410 {450}
Clearance between tie-bars (L×H)	mm	590×590	590×590	730 ×730	820×820
Clamp platens max. (L×H)	mm	870×870	870×870	1040 ×1040	1220×1210
Daylight	mm	1090	1090	1355	1600
Mold opening stroke	mm	510	510	700	800
Mold installation height (min.~max.)	mm	260~580	260~580	305~655	350~800
Ejector type		Electric (13point)	Electric (13point)	Electric (13point)	Electric (17point)
Ejector force	kN {tf}	60 {6.2 }	60 {6.2 }	73 {7.5}	98 {10}
Ejector stroke	mm	150	150	175	175

●Injection unit											
Plasticizing unit		C1250		C1250		C1600		C2500		C3300	
Screw diameter		L		L		L		L		L	
	mm	50	56	50	56	56	63	71	80	80	90
Injection pressure max. [※2]	MPa {kgf/cm ² }	279 {2840}	222{2260}	279 {2840}	222{2260}	280 {2850}	221 {2250}	229 {2340}	180 {1840}	220 {2250}	173 {1770}
Hold pressure max. [※2]	MPa {kgf/cm ² }	279 {2840}	222{2260}	279 {2840}	222{2260}	280 {2850}	221 {2250}	229 {2340}	180 {1840}	220 {2250}	173 {1770}
Theoretical injection capacity	cm ³	448	562	448	562	562	711	1140	1448	1448	1832
Max. injected weight (GPPS)	g	425	533	425	533	533	675	1090	1390	1390	1760
	OZ	15.0	18.8	15.0	18.8	18.8	23.8	38.4	49.0	49.0	62.1
Continuous injection ability [※3]	cm ³ /min	a)1190	a)1490	a)1190	a)1490	a)1490	a)1890	a)2500	a)3180	3440	4360
		b)1630	b)2050	b)1630	b)2050	b)2050	b)2600	b)3300	b)4200		
Plasticizing rate max. (GPPS) [※4]	kg/h	217	267	217	267	267	318	370	440	440	495
	(rpm)	(430)	(430)	(430)	(430)	(430)	(400)	(350)	(320)	(320)	(280)
Injection rate (Air shot) 注5]	cm ³ /s	1571	1970	1571	1970	1970	2494	3167	4021	3141	3976
Injection speed (Air shot)	mm/s	800	800	800	800	800	800	800	800	625	625
Injection rate (2/3load pressure) [※5]	cm ³ /s	1080	1355	1080	1355	1478	1870	1662	2111	1809	2290
Injection speed (2/3load pressure)	mm/s	550	550	550	550	600	600	420	420	360	360
Injection system		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic	
Screw stroke	mm	228		228		288		288		288	
Pull back speed max.	mm/s	120		120		110		110		100	
Screw driving system		Electric		Electric		Electric		Electric		Electric	
Screw speed max.	rpm	430	430	430	430	430	400	350	320	320	280
Number of temperature control zone		5	5	5	5	5	5	5	5	5	5
Heater capacity	kW	24	29	24	29	29	31	41	44	39	53
Nozzle contact force	kN {tf}	72 {7.3}		72 {7.3}		66 {6.7}		66 {6.7}		66 {6.7}	
Moving stroke (protrusion)	mm	460 (45)		460 (45)		460 (45)		460 (45)		525 (65)	
Hopper capacity	ℓ	100		100		100		100		100	

●Electrical & Hydraulics											
Pump drive	kW	a)18.5 b)22		a)18.5 b)22		a)22 b)30		30		30	
Pressure in hydraulic circuit	MPa {kgf/cm ² }	15.2 {155}		15.2 {155}		19.1 {195}		19.1 {195}		19.1 {195}	
Oil tank capacity	ℓ	170		170		200		200		300	

●Machine dimension & weight											
Machine dimension (L×W×H) [※7]	m	6.5×1.7×2.2		6.7×1.7×2.2		7.8×1.9×2.2		8.7×1.9×2.2		8.7×1.9×2.2	
Machine weight	t	12		12		17		17		25	

※1 Specifications subject to change without notice for performance improvements.

※2 Max injection pressure and Max hold pressure is calculated numbers. These numbers are machine's output , not the pressure of resin.

※3 These numbers are theoretical numbers of pull back screw, hydraulic core tractor and press α without oil pressure

※4 Plasticizing rate max is the number with max screw rotating.

※5 These numbers are based on Sumitomo standard.

※6 The number of () are reference numbers.

※7 The total length is the number of Plasticizing Unit max setback with thick open screw.

※8 The dimensions are Japanese specification.

◇This series originally comply to safety standards of Japan, the US and Europe, in addition, also China GB22530 and KC mark.

Standard Equipment

Plasticizing/Injection Unit

1	Digital closed servo control of injection and hold pressure
2	Burr protection control
3	Shrinkage protection control
4	Screw centering mechanism
5	Screw support system
6	Liquid-cooled plasticizing servo motor (340 tons or less)
7	Pull-back speed remote setting unit
8	High-precision, high-power nozzle touch unit
9	Pull-back delay control
10	Standard SD screw assembly (open nozzle or ion-nitride)
11	Injection program control (in 5-/2-levels)
12	Hold pressure program control (in 4-/2-levels)
13	Plasticizing program control (in 4-/2-levels)
14	Screw pull-back (after pressure holding/plasticizing)
15	Digital indicator of screw position (0.1mm)
16	Hold pressure setting to 0.01 sec.
17	V-P switchover (pressure, time and position)
18	Filling delay timer
19	Automatic purging unit
20	Heating cylinder temperature remote setting unit
21	Heating cylinder temperature PID control
22	Heating cylinder temperature switchover to Molding/Warming
23	Screw's cold startup protection (with variable interlock timer)
24	Nozzle band heater
25	Injection unit retracting time selector (with delay timer)
26	Injection unit advance remote setting device (nozzle touch detection and advancing time)
27	Digital indicator of screw revolutions
28	Water cooling cylinder temperature indicator
29	Water cooling cylinder detector
30	Purging shield (with limit switch)
31	Plasticizing rotation unit (with nozzle center adjusting mechanism)
32	Remaining cooling time indication
33	Plasticizing start delay timer

Control Unit

1	1 TFT color LCD monitor
2	Molding condition memory (internal memory: 40 parameters)
3	Data change protection
4	Three-language screen changeover (Japanese/English/Chinese)
5	Operation guide
6	Setting record display (60 items)
7	Injection profile monitor (injection position, speed and pressure setting and waveforms)
8	Display hardcopy
9	Printer interface circuit
10	Maintenance guide (display of checking time, items and procedure)
11	Automatic start/stop (heater warming and start, and machine stop)
12	Timer clock
13	Molding process indication
14	SSR heater drive circuit
15	Operation hour timer
16	Speed/position/pressure/revolutions entry in SI unit

Clamping Unit

1	High-speed mold opening/closing
2	Highly durable clamping ball screw
3	Movable center press platen (350 tons or less)
4	High-rigidity stationary platen (350 tons or less)
5	Mold open/close speed/pressure programming device
6	Mold protection unit
7	Low-pressure mold clamping unit
8	Digital indication of mold open/close position
9	Remote control of mold open/close position and speed
10	Closed control of mold open/close position and speed
11	Remote setting of clamping force
12	Ejector (with multi-ejection selector and return check)
13	Ejector ejection delay timer
14	Ejector remote setting (position, speed and stroke)
15	Ejector 2-speed control
16	Ejector ejection holding device
17	Ejector ejection interlock (mold open limit in manual operation)
18	Ejector ejection during mold opening
19	Ejector return check
20	Mold space adjuster
21	Standby mode for mold mounting (low-speed mold opening/closing)
22	Grease-free tie-bar bushing
23	Clamping safety interlock (electrical and mechanical)
24	Safety doors with acrylic plate
25	Emergency stop button switch (on operation side)
26	Product take-out robot interface circuit
27	Take-out robot fitting holes
28	Mold opening/closing selector (3 modes)
29	Non-adjusting mechanical stoppers
30	Movable platen support
31	Automatic centralized greasing unit

Monitoring Unit

1	Actual operation value indication (15 items)
2	Error monitoring (5 items)
3	Automatic setting of error monitoring conditions
4	Error logging display (error items and time)
5	Product quality monitoring (10 items)
6	Quality control (actual values and quality graph display)
7	Production control
8	Heating cylinder temperature monitoring
9	Self-diagnosis
10	Alarm buzzer
11	Shot counter
12	Molding cycle error monitoring (with attended/unattended selector)
13	Automatic production ending circuit
14	Lubricant temperature monitoring
15	Hydraulic filter stopping monitoring

Miscellaneous

1	Spare power supply socket (20A x 1)
2	3-way open space frame (350 tons or less)
3	Mold cooling water block (2 lines) (detector and valve are optional)
4	Oil cleaner (RRR-make)
5	In-line filter
6	High-capacity hydraulic oil cooling unit
7	Hydraulic oil temperature stabilizing device (electromagnetic valve, PID control)
8	Accumulator
9	Standard tools (nozzle ring spanner)
10	Standard spare parts (touchup paint, cooler packing and fuses)

Optional Equipment

Plasticizing & injection selection

- 1 Hard chromium plating screw assembly
- 2 Wear & corrosion resistant screw assembly II & III
- 3 SF screw assembly
- 4 Needle valve nozzle (pneumatic nozzle actuating cylinder)
- 5 Extension nozzle
- 6 Cylinder nozzle
- 7 Zone 1 High capacity heater
- 8 Plasticizing cylinder cover with insulator

Injection unit

- 1 Temperature controller for nozzle
- 2 Resin temperature finder (when needle type nozzle is installed)
- 3 Standard type hopper
- 4 Water cooling jacket temperature control device
- 5 VP switchover control (with cavity pressure)
- 6 Needle valve nozzle drive circuit
- 7 Hopper swiveling device
- 8 Plasticizing signal
- 9 Synchronized temperature rising

Clamping unit

- 1 Ejector pressure remote setting
- 2 Pneumatic ejector
- 3 Cavity ventilator
- 4 Pneumatic control circuit 4/8lines
- 5 Hydraulic core pull circuit (control circuit only)
- 6 Pneumatic core pull circuit
- 7 Core rotation control circuit (motor drive ; 1.5kW or less)
- 8 Temporary stop of mold closing
- 9 Temporary stop of mold opening
- 10 Ejected products sensor circuit
- 11 Interface of fast take out robot
- 12 Heat insulating plate
- 13 Hydraulic mold clamp (horizontal & vertical)
- 14 Mold ejector plate return signal (input signal to molding machine)
- 15 Mold closing/opening signal (spear control signal ; no voltage dry contact)
- 16 Valve gate drive circuit (control circuit only)
- 17 Valve gate drive circuit (control circuit & pneumatic circuit)
- 18 Valve gate drive circuit fast cycle spec (Control circuit and pneumatic circuit)
- 19 Emergency stop switch (on non-operation side)
- 20 Multi-toggle
- 21 Multi-toggle for media spec
- 22 Ejector protrusion during mold opening
- 23 Hydraulic ejector in mold drive circuit
- 24 Mold space extension
- 25 Tie-rod support
- 26 Mold clamp stand by position

Control & monitor

- 1 Monitor (heater burnout & SSR damage)
- 2 Monitor(Hydraulic oil level)
- 3 Monitor (leak circuit breaker : up to 415V)
- 4 Monitor (mold temperature)
- 5 Monitor (detection of fire)
- 6 Monitor (auxiliary facility)
- 7 Oscillograph connection circuit
- 8 Production control (with stocker feed signal)
- 9 Automatic mold temperature controller (1 zone)
- 10 Automatic mold temperature controller (2 zone)
- 11 Automatic mold temperature controller (10 zone)
- 12 Mold cooling water flow regulator (4/8/12-lines separate type)
- 13 Mold cooling water flow regulator (2x12lines attaced on frame)
- 14 Closed-circuit type mold cooling water connection 2x12lines (operation side/non-operation side)
- 15 Automatic starting system (heater, external output signal)
- 16 Automatic starting system (heater,water supply, external output signal)
- 17 Automatic starting system (heater,water supply, auxiliary equipment, external output signal)
- 18 Revolving alarm lamp
- 19 3-color alarm lamps
- 20 SPACE II memory card device
- 21 4-Lines closed circuit cooling water piping connection (with flow detector, stop valve)
- 22 PC connection circuit (RS232C)
- 23 Electric power supply socket
- 24 Electric power supply socket for tools (with transformer)
- 25 Cooling water stop valve & filter
- 26 Key-switch for protecting setting
- 27 All-in-one setting screen
- 28 N2 Gas pressure Monitor
- 29 Flow detector & stop valve (for 2-lines closed circuit cooling water piping connection)
- 30 Reinforcement of frame member at product drop opening space

Spare parts & accessories

- 1 Mechanical spare parts A (lubrication parts, notch bolts, brake linings)
- 2 Electric spare parts A (thermocouples)
- 3 Spare parts for exporting from Japan
- 4 Leveling pards (for one machine)
- 5 Anchor bolts (for one machine)
- 6 Line filter element for oil cleaner
- 7 Tools A
- 8 N2 Gas charge kit/Adapter
- 9 Line filter element
- 10 Printer (with cable & carriage)
- 11 Additional ejector rods
- 12 Grease cartridge
- 13 Memory card (for SPACE II card)

Stack spec

	Unit	SE230HY	SE260HY	SE350HY	SE450HY
Daylight	mm	1190	1190	1555	1900
Mold installation height (min.~max.)	mm	360~680	360~680	505~855	550~1100

※Specifications subject to change without notice for performance improvements.

※The export of this product for use for or in development and/or production of massive destruction arms and weapons (nuclear weapons, biological weapons, chemical weapons, missiles) or the export of this product to any person, party or corporation engaged or involved in the development and/or production of above described goods is subject to the authorization of the Japanese government pursuant to Foreign Exchange and Foreign Trade Control Law.



(We have achieved ISO 14001 at Chiba Works)

Sumitomo Heavy Industries, Ltd. PLASTICS MACHINERY DIVISION

JAPAN	Sumitomo Heavy Industries, Ltd. Sales Department 1-1, Osaki 2-chome, Shinagawa-ku, Tokyo, 141-6025, Japan Tel:+81-3-6737-2576 Fax:+81-3-6866-5176 Sumitomo Heavy Industries, Ltd. Chiba Works 731-1, Naganumahara, Inage-ku, Chiba-City, 263-0001, Japan Tel:+81-43-420-1401 Fax:+81-43-420-1553	KOREA	SHI Plastics Machinery (Korea) Co., Ltd. #C-1503, Woolim Lions Valley, 371-28, Gasan-dong, Geumcheon-gu, Seoul 153-786, Korea Tel:+82-2-757-8656 Fax:+82-2-757-8659
U.S.A.	Sumitomo (SHI) Plastics Machinery (America) LLC 1266 Oakbrook Drive, Norcross, Georgia 30093 U.S.A. Tel:+1-770-447-5430 Fax:+1-770-441-9168	TAIWAN	SHI Plastics Machinery (Taiwan) Inc. 6F., No.33, Dexing W. Rd., Shilin Dist., Taipei 111, R.O.C. Tel:+886-2-2831-4500 Fax:+886-2-2831-4483
MEXICO	SHI Plastics Machinery de Mexico, S.A. DE. C.V. Rio Missouri 400 ote Col. Del Valle, San Pedro Garza Garcia, Nuevo Leon, Mexico C.P. 66220 Tel:+52-81 83-56-17-14, 20, 26 Fax:+52-81-83-56-17-10	PHILIPPINES	SHI Plastics Machinery (Phils) Inc. Mezzanine Floor, Dasman Bldg., 1680 Evangelista corner Hen. Del Pilar Street, Bangkal, Makati City Philippines Tel:+63-2-844-0632, 845-0877 Fax:+63-2-886-4670
BRAZIL	SHI DO BRAZIL COMÉRCIO DE MÁQUINAS PARA PLÁSTICOS LTDA Av. Ceci, 608 - Galpao B11 Tambore 06460-120 Barueri SP Brazil Tel:+55-11-4195-4112 Fax:+55-11-4195-4113	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
SHANGHAI	SHI Plastics Machinery (Shanghai) Ltd. Rm 1303, Xingdi Building, No 1698, Yishan Rd, Minhang District, Shanghai 201103 Tel:+86-21-3462-7556 Fax:+86-21-3462-7655	SINGAPORE	S.H.I. Plastics Machinery (S) Pte., Ltd. 67 Ayer Rajah Crescent #01-15 To 26 Singapore 139950 Tel:+65-6779-7544 Fax:+65-6777-9211
DALIAN	SHI Plastics Machinery (Shanghai) Ltd. Dalian Office Room7, Floor 12B, Fuyou Building, No.9, Huanghai Xi No.6 Road, Dalian Development Zone, 116600, China. Tel:+86-411-8764-8052 Fax:+86-411-8764-8053	VIETNAM	S.H.I. Plastics Machinery (Vietnam) Ltd. 14Thuy Khue Str, TayHo Dist, Hanoi, Vietnam Tel:+84-4-728-0105 Fax:+84-4-728-0106
TIANJIN	SHI Plastics Machinery (Shanghai) Ltd. Tianjin Office Room 603, Henghua Building II, No.501 Daguan Nan Road, Tianjin, 300202 China Tel:+86-22-5819-6378 Fax:+86-22-5819-6379	INDONESIA	PT. SHI Plastics Machinery (Indonesia) Gedung Gajah, Blok Ao, J.L. Prof. Dr. Saharjo No.111, Tebet, Jakarta 12810 Tel:+62-21-829-3872, 3873 Fax:+62-21-828-1645
SUZHOU	SHI Plastics Machinery (Shanghai) Ltd. Suzhou Office Room 308, Tower C Innovation Center Building No.117, Zhujiang Road New District, Suzhou City, Jiangsu Prov. 215011 China Tel:+86-512-6632-1760 Fax:+86-512-6632-1770	THAILAND	SHI Plastics Machinery (Thailand) Ltd. No.317 Unit D, Bangna-Trad Road Km.1, Kwaeng Bangna, Khet Bangna, Bangkok 10260 Thailand Tel:+66-2-747-4053~56 Fax:+66-2-747-4081
HONG KONG	SHI Plastics Machinery (Hong Kong) Ltd. Room 601, Telford House, 12-16 Wang Hoi Road, Kowloon Bay Tel:+852-2750-6630 Fax:+852-2759-0008	INDIA	SHI Plastics Machinery (India) Private Ltd. Unit No.12A&12B, JMD Galleria, Sohna Road, Gurgaon, Haryana-122001 Tel:+91-0124-2217056,64 Fax:+91-0124-2218076
DONGGUAN	Dongguan SHI Plastics Machinery Co., Ltd. No.5, Xinkang Rd., Jiangbei The 3rd Industry Zone, Wusha, Changan Town, Dongguan City, Guangdong Prov., 523859 China. Tel:+86-769-8533-6071 Fax:+86-769-8554-9091	GERMANY	Sumitomo (SHI) Demag Plastics Machinery GmbH Aldorfer Str. 15 90571 Schwaig, Germany Tel:+49-911-50-61-0 Fax:+49-911-50-61-265

URL <http://www.shi.co.jp/plastics>

