

SM-TP

Two Platen Advanced Servo Drive
Servomotor-driven Injection Moulding Machine
from 700 to 6500 tons

Smallest Footprint

Largest Specs

Japanese-based designs

Chen Hsong

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SUPERMASTER

Two Platen Advanced Series

The SUPERMASTER TP-Series is a revolutionary "ture" two-platen design from Chen Hsong. Designed in 3 years with a team led by leading European and Japanese industry experts, it represents a unique combination of world-class, no compromise performance and characteristic Chen Hsong affordability. Numerous innovations protected by international patents give this machine a price-performance value that is previously undreamt-of. Prepare to be blown away by the kind of wonders it can do to your operation - the possibilities are simply limitless...

① The Fastest Clamping Unit Available: 750mm/sec

Extremely fast clamp movements (8 seconds dry cycle for SM2200TP) significantly shorten cycle time

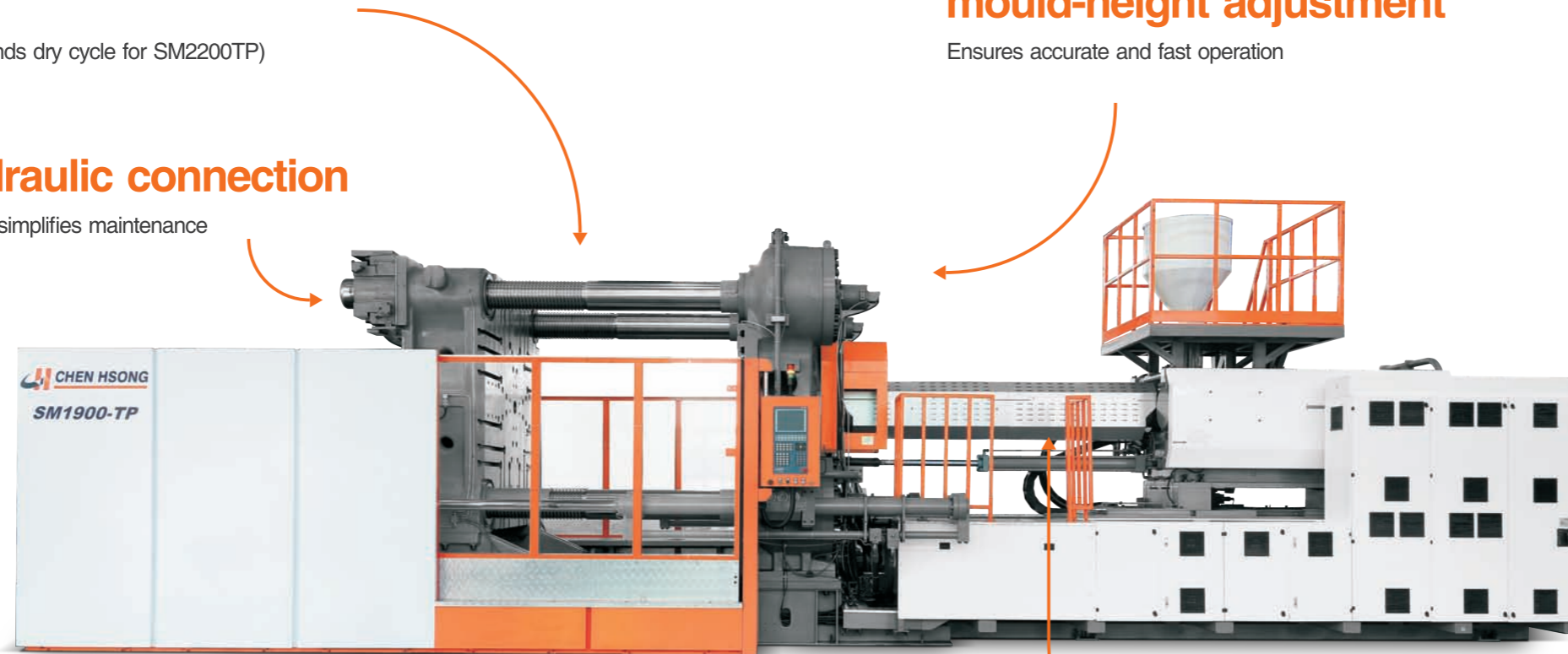
② Patented tie-bar/hydraulic connection

Reduces stress concentration and greatly simplifies maintenance



③ Patented high-speed automatic mould-height adjustment

Ensures accurate and fast operation



⑤ Patented inter-lock mechanism

Combines high speed and silent operation with extremely high precision and rock-solid reliability

④ State-of-the-Art Injection Unit Design

Extra feeding temperature control zone
Tri-colinear bearings ensure perfect alignment
Nozzle tip can be moved beyond the fixed platen by up to 300mm
All screws have L/D ratio of 1:22 for optimal melt quality*

Images of products are for your reference and subject to change without notice

*19:1 to 20:1 alternatives are available

Insist on “True” Two-Platen Design

Shortest footprint - easy to fit into any factory

Largest opening stroke



Second Generation Servo-Drive System

saves up to 80% Electricity*

Driven by a revolutionary intelligent servo system, the second-generation SVP/2 power pack combines a fast-response gear pump with a high-precision servomotor, integrated with a proprietary servo-drive into an affordable package that guarantees the highest response, highest precision and lowest power consumption at the same time.

Energy Saving

Saves up to 80% of electricity compared to traditional fixed pump systems*

Ultimate Response

Response speed is more than double of a variable displacement pump

Ultimate Precision & Repeatability

Up to 0.5% repeatability even under extremely low speed & prolonged holding conditions

Long Operational Life

Low oil temperature conserves cooling water and reduces the need for hydraulic oil, thus extending the useable lives of hydraulic parts



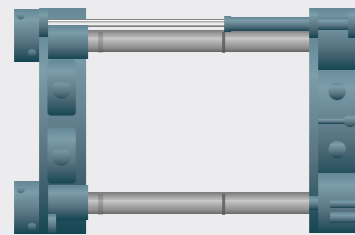
Items	SVP/2	Servo Pump	All Electric	Variable Pump
High Energy Saving	✓	✓	✓	●
High Precision	✓	●	✓	●
High Repeatability	✓	●	✓	●
Dynamic Response	✓	×	✓	●
Low Speed Control	✓	●	✓	×
Long Holding Pressure	✓	●	×	✓
Low Noise Level	✓	✓	✓	×
Low Cooling Water Consumption	✓	✓	✓	×
Long Operational Life	✓	●	×	✓
Ease of Maintenance	✓	✓	×	✓

✓ Excellent ● Average × Weak

Mix-and-Match with Unparalleled Flexibility

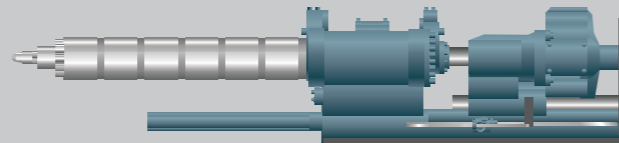
13 Clamping Units (from 700 to 6,500 tons) and
14 injection Units (Shot weight from 1,968 - 106,081 grams) for flexible mix-and-match.

14 Clamping Units (Clamping Force)



1	700tons
2	850tons
3	1050tons
4	1250tons
5	1450tons
6	1650tons
7	1900tons
8	2200tons
9	2600tons
10	3000tons
11	3600tons
12	4500tons
13	6500tons

14 Injection Units (Shot Weight)



J	1,968g
K	2,604g
N	3,430g
P	4,754g
Q	6,172g
A	7,847g
R	9,801g
B	13,180g
C	21,002g
D	31,431g
E	44,843g
F	61,166g
G	81,043g
H	106,081g



Exclusive Patented Circular Platen

- ① Even stress distribution to moulds - improves production stability and part quality
- ② More uniform stress distribution helps extend mould life
- ③ Enhanced stiffness and structural integrity makes this design suitable for all moulding applications



MPC 7.0 intelligent networkable computer controller

The MPC 7.0 is a high performance, new generation intelligent computer controller available exclusively from Chen Hsong. Designed in Japan and constructed with the latest SMT technology, it boasts full compatibility with JIS standards, enhanced stability and ultimate reliability. This controller comes standard with multi-lingual interfaces, built-in networking, advanced intelligent diagnostics, and the ability to retain data for over five years without external power. Includes full networking support for industrie 4.0.



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60 Years of Solid Foundation

The Chen Hsong Group was established in 1958 and has grown from a small machinery workshop to one of the largest manufacturers of injection moulding machines in the world. A full range of machines is produced with clamping forces from 20 tons to 6500 tons, with customers in over 80 countries worldwide.

Headquartered in Hong Kong, Chen Hsong owns a number of manufacturing facilities in China. The 560,000m² Chen Hsong Industrial Park in Shenzhen, China serves as the Group's flagship manufacturing, research and technology centre. Other major manufacturing plants are in Shunde, Ningbo, and Taiwan.

Chen Hsong's leading position in the industry is secured through relentless pursuit of technology advancement, manufacturing innovation, non-compromising service level and a mind for excellence.



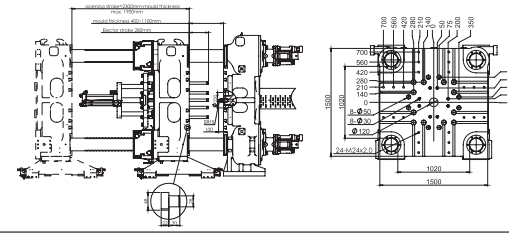
Insist on “True” Two-Platen Design

Shortest footprint - easy to fit into any factory



SM700-TP-SVP/2

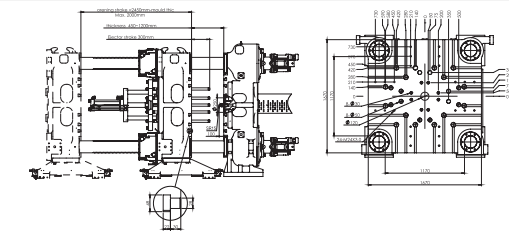
Clamping Unit	Clamping Force(Max.)	ton	700
	Opening Force	ton	70
	Opening Stroke	mm	1,200-1,900
	Space Between Tie Bar(HxV)	mm	1,020 x 1,020
	Mould Thickness(Min.-Max.)	mm	400-1,100
	Maximum Daylight	mm	2300
	Clamp Closing Speed(Max.)	m/min	45
	Clamp Opening Speed(Max.)	m/min	45
	Ejector Force(Max.)	ton	22
	Ejector Stroke	mm	280
Mould Register Hole	mm	250	



		J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H		
Injection Unit	Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081	
	Swept Volume	cm ³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573	
	Screw Diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	300	300	300	
	Injection Pressure(Max.)	Mpa	187	159	184	155	184	146	184	155	184	157	180	155	180	157	180	132	160	123	160	126	160	130	160	132	160	134	160	
	Injection Stroke	mm	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,650		
	Screw Rotation Speed (Max.)	rpm	150	150	140	140	130	130	115	115	110	110	100	100	95	95	80	80	83	69	65	50	60	50	60	47	50	40	40	
	Injection Rate	cm ³ /s	560	658	635	753	720	907	885	1,053	1,045	1,226	1,215	1,409	1,390	1,596	1,390	1,892	1,790	2,339	2,210	2,797	2,720	3,358	3,120	3,775	4,310	5,129	4,965	
	Screw L/D Ratio		22.0	20.3	22.0	20.2	22.0	19.6	22.0	20.2	22.0	20.3	22.0	20.4	22.0	20.5	22.0	18.9	22.0	19.3	22.0	19.6	22.0	19.8	22.0	20.0	22.0	20.2	22.0	
	Nozzle Contact Force	ton																												
			13.2																											
Power/Heating Unit	System Pressure	kgf/cm ²	175																											
	Servo Motor Power	kW	84	96	108	132	168	180	204	204	240	300	360	480	660	720														
	Electrial Heating Power	kW	38	42	48	50	70	80	95	100	130	175	220	270	330	390														
	Temperature Heating Zone		7																											
	Oil Tank Capacity	L	1,650	1,700	1,750	2,250	2,350	2,700	3,300	3,850	4,150	5,950	7,400	8,650	11,000	12,500														
Others	Machine Dimensions(LxWxH)	m	9.2x2.9x2.5	9.3x2.9x2.5	9.4x2.9x2.5	10.2x2.9x2.5	10.9x2.9x2.5	11.0x2.9x2.5	11.3x2.9x2.5	11.3x2.9x2.5	12.4x2.9x2.5	13.2x2.9x2.5	14.8x2.9x2.5	16.2x2.9x2.5	18.6x2.9x2.5	20.6x2.9x2.5														
	Machine Weight(Approx.)	ton	28	29	31	33	35	37	38	39	46	54	64	77	94	114														

SM850-TP-SVP/2

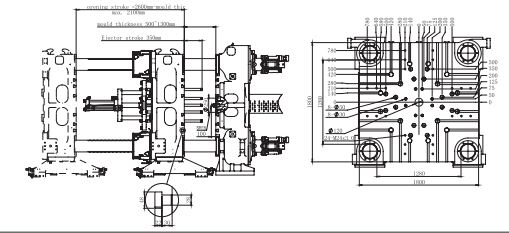
Clamping Unit	Clamping Force(Max.)	ton	850
	Opening Force	ton	85
	Opening Stroke	mm	1,250-2,000
	Space Between Tie Bar(HxV)	mm	1,170 x 1,170
	Mould Thickness(Min.-Max.)	mm	450-1,200
	Maximum Daylight	mm	2,450
	Clamp Closing Speed(Max.)	m/min	45
	Clamp Opening Speed(Max.)	m/min	45
	Ejector Force(Max.)	ton	22
	Ejector Stroke	mm	300
Mould Register Hole	mm	250	



		J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H		
Injection Unit	Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081	
	Swept Volume	cm ³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573	
	Screw Diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	300	300	300	
	Injection Pressure(Max.)	Mpa	187	159	184	155	184	146	184	155	184	157	180	155	180	157	180	132	160	123	160	126	160	130	160	132	160	134	160	
	Injection Stroke	mm	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,650		
	Screw Rotation Speed (Max.)	rpm	150	150	140	140	130	130	115	115	110	110	100	100	95	95	80	80	83	69	65	50	60	50	60	47	50	40	40	
	Injection Rate	cm ³ /s	560	658	635	753	720	907	885	1,053	1,045	1,226	1,215	1,409	1,390	1,596	1,390	1,892	1,790	2,339	2,210	2,797	2,720	3,358	3,120	3,775	4,310	5,129	4,965	
	Screw L/D Ratio		22.0	20.3	22.0	20.2	22.0	19.6	22.0	20.2	22.0	20.3	22.0	20.4	22.0	20.5	22.0	18.9	22.0	19.3	22.0	19.6	22.0	19.8	22.0	20.0	22.0	20.2	22.0	
	Nozzle Contact Force	ton																												
			13.2																											
Power/Heating Unit	System Pressure	kgf/cm ²	175																											
	Servo Motor Power	kW	84	96	108	132	168	180	204	204	240	300	360	480	660	720														
	Electrial Heating Power	kW	38	42	48	50	70	80	95	100	130	175	220	270	330	390														
	Temperature Heating Zone		7																											
	Oil Tank Capacity	L	1,680	1,730	1,780	2,300	2,400	2,750	3,350	3,900	4,200	6,000	7,450	8,700	11,000	12,500														
Others	Machine Dimensions(LxWxH)	m	9.6x3.1x2.7	9.7x3.1x2.7	9.8x3.1x2.7	10.6x3.1x2.7	11.2x3.1x2.7	11.3x3.1x2.7	11.7x3.1x2.7	11.7x3.1x2.7	12.7x3.1x2.7	13.6x3.1x2.7	15.1x3.1x2.7	16.5x3.1x2.7	19.0x3.1x2.7	21.0x3.1x2.7														
	Machine Weight(Approx.)	ton	33	34	36	38	40	42	43	44	51	59	69	82	99	119														

SM1050-TP-SVP/2

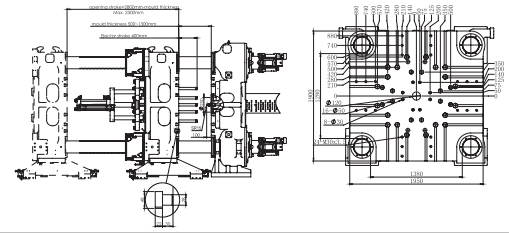
Clamping Unit	Clamping Force(Max.)	ton	1,050
	Opening Force	ton	85
	Opening Stroke	mm	1,300-2,100
	Space Between Tie Bar(HxV)	mm	1,280 x 1,280
	Mould Thickness(Min.-Max.)	mm	500-1,300
	Maximum Daylight	mm	2,600
	Clamp Closing Speed(Max.)	m/min	45
	Clamp Opening Speed(Max.)	m/min	45
	Ejector Force(Max.)	ton	22
	Ejector Stroke	mm	350
Mould Register Hole	mm	250	



		J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H		
Injection Unit	Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081	
	Swept Volume	cm ³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573	
	Screw Diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	300	300	300	
	Injection Pressure(Max.)	Mpa	187	159	184	155	184	146	184	155	184	157	180	155	180	157	180	132	160	123	160	126	160	130	160	132	160	134	160	
	Injection Stroke	mm	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,650		
	Screw Rotation Speed (Max.)	rpm	150	150	140	140	130	130	115	115	110	110	100	100	95	95	80	80	83	69	65	50	60	50	60	47	50	40	40	
	Injection Rate	cm ³ /s	560	658	635	753	720	907	885	1,053	1,045	1,226	1,215	1,409	1,390	1,596	1,390	1,892	1,790	2,339	2,210	2,797	2,720	3,358	3,120	3,775	4,310	5,129	4,965	
	Screw L/D Ratio		22.0	20.3	22.0	20.2	22.0	19.6	22.0	20.2	22.0	20.3	22.0	20.4	22.0	20.5	22.0	18.9	22.0	19.3	22.0	19.6	22.0	19.8	22.0	20.0	22.0	20.2	22.0	
	Nozzle Contact Force	ton																												
			13.2																											
Power/Heating Unit	System Pressure	kgf/cm ²	175																											
	Servo Motor Power	kW	84	96	108	132	168	180	204	204	240	300	360	480	660	720														
	Electrial Heating Power	kW	38	42	48	50	70	80	95	100	130	175	220	270	330	390														
	Temperature Heating Zone		7																											
	Oil Tank Capacity	L	1,700	1,750	1,800	2,300	2,400	2,750	3,350	3,900	4,200	6,000	7,450	8,700	11,000	12,500														
Others	Machine Dimensions(LxWxH)	m	9.9x3.3x2.8	10.0x3.3x2.8	10.1x3.3x2.8	10.8x3.3x2.8	11.5x3.3x2.8	11.6x3.3x2.8	12.0x3.3x2.8	12.0x3.3x2.8	13.0x3.3x2.8	13.9x3.3x2.8	15.4x3.3x2.8	16.8x3.3x2.8	19.3x3.3x2.8	21.3x3.3x2.8														
	Machine Weight(Approx.)	ton	39	40	42	44	46	48	49	50	57	65	75	88	105	125														

SM1250-TP-SVP/2

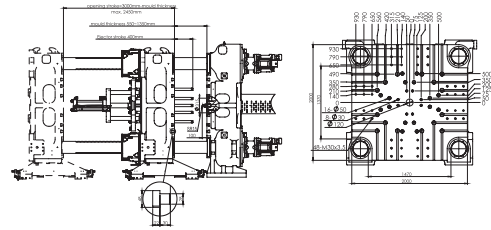
Clamping Unit	Clamping Force(Max.)	ton	1,250
	Opening Force	ton	125
	Opening Stroke	mm	1,500 - 2,300
	Space Between Tie Bar(HxV)	mm	1,380 x 1,280
	Mould Thickness(Min.-Max.)	mm	500 - 1,300
	Maximum Daylight	mm	2,800
	Clamp Closing Speed(Max.)	m/min	45
	Clamp Opening Speed(Max.)	m/min	45
	Ejector Force(Max.)	ton	22
	Ejector Stroke	mm	400
Mould Register Hole	mm	250	



		J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1
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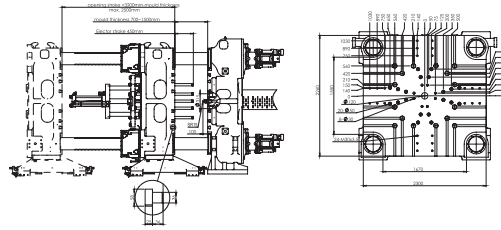
SM1450-TP-SVP/2

Clamping Unit	Clamping Force(Max.)	ton	1,450																											
	Opening Force	ton	125																											
	Opening Stroke	mm	1,650 - 2,450																											
	Space Between Tie Bar(HxV)	mm	1,470 X 1,370																											
	Mould Thickness(Min.-Max.)	mm	550 - 1,350																											
	Maximum Daylight	mm	3,000																											
	Clamp Closing Speed(Max.)	m/min	45																											
	Clamp Opening Speed(Max.)	m/min	45																											
	Ejector Force(Max.)	ton	35																											
	Ejector Stroke	mm	400																											
Mould Register Hole	mm	250																												
		J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H		
Injection Unit	Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081	
	Swept Volume	cm³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573	
	Screw Diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300	
	Injection Pressure(Max.)	Mpa	187	159	184	155	184	146	184	155	184	157	180	155	180	157	180	132	160	123	160	126	160	130	160	132	160	134	160	
	Injection Stroke	mm	400		450		500		550		600		650		700		820		960		1,100		1,240		1,370		1,500		1,650	
	Screw Rotation Speed (Max.)	rpm	150		140		130		115		110		100		95		80		83		69		65		60		50		40	
	Injection Rate	cm³/s	560	658	635	753	720	907	885	1,053	1,045	1,226	1,215	1,409	1,390	1,596	1,390	1,892	1,790	2,339	2,210	2,797	2,720	3,358	3,120	3,775	4,310	5,129	4,965	
	Screw L/D Ratio		22.0	20.3	22.0	20.2	22.0	19.6	22.0	20.2	22.0	20.3	22.0	20.4	22.0	20.5	22.0	18.9	22.0	19.3	22.0	19.6	22.0	19.8	22.0	20.0	22.0	20.2	22.0	
Nozzle Contact Force	ton	13.2																												
Power/Heating Unit	System Pressure	kgf/cm²	175																											
	Servo Motor Power	kW	84	96	108	132	168	180	204	204	240	300	360	480	660	720														
	Electrical Heating Power	kW	38	42	48	50	70	80	95	100	130	175	220	270	330	390														
	Temperature Heating Zone		7																											
	Oil Tank Capacity	L	1,750	1,800	1,850	2,300	2,400	2,750	3,350	3,900	4,200	6,000	7,450	8,700	11,000	12,500														
Others	Machine Dimensions(LxWxH)	m	10.6x3.75x3.15	10.7x3.75x3.15	10.8x3.75x3.15	11.6x3.75x3.15	12.2x3.75x3.15	12.3x3.75x3.15	12.7x3.75x3.15	12.7x3.75x3.15	12.7x3.75x3.15	13.7x3.75x3.15	14.6x3.75x3.15	16.1x3.75x3.15	17.5x3.75x3.15	20.0x3.75x3.15	22.0x3.75x3.15													
	Machine Weight(Approx.)	ton	54	55	57	59	61	63	64	65	72	80	90	103	120	140														



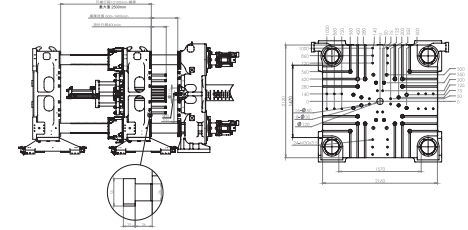
SM1900-TP-SVP/2

Clamping Unit	Clamping Force(Max.)	ton	1,900																											
	Opening Force	ton	165																											
	Opening Stroke	mm	1,700 - 2,500																											
	Space Between Tie Bar(HxV)	mm	1,670 X 1,550																											
	Mould Thickness(Min.-Max.)	mm	700 - 1,500																											
	Maximum Daylight	mm	3,200																											
	Clamp Closing Speed(Max.)	m/min	45																											
	Clamp Opening Speed(Max.)	m/min	45																											
	Ejector Force(Max.)	ton	45																											
	Ejector Stroke	mm	450																											
Mould Register Hole	mm	315																												
		J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H		
Injection Unit	Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081	
	Swept Volume	cm³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573	
	Screw Diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300	
	Injection Pressure(Max.)	Mpa	187	159	184	155	184	146	184	155	184	157	180	155	180	157	180	132	160	123	160	126	160	130	160	132	160	134	160	
	Injection Stroke	mm	400		450		500		550		600		650		700		820		960		1,100		1,240		1,370		1,500		1,650	
	Screw Rotation Speed (Max.)	rpm	150		140		130		115		110		100		95		80		83		69		65		60		50		40	
	Injection Rate	cm³/s	560	658	635	753	720	907	885	1,053	1,045	1,226	1,215	1,409	1,390	1,596	1,390	1,892	1,790	2,339	2,210	2,797	2,720	3,358	3,120	3,775	4,310	5,129	4,965	
	Screw L/D Ratio		22.0	20.3	22.0	20.2	22.0	19.6	22.0	20.2	22.0	20.3	22.0	20.4	22.0	20.5	22.0	18.9	22.0	19.3	22.0	19.6	22.0	19.8	22.0	20.0	22.0	20.2	22.0	
Nozzle Contact Force	ton	13.2																												
Power/Heating Unit	System Pressure	kgf/cm²	175																											
	Servo Motor Power	kW	84	96	108	132	168	180	204	204	240	300	360	480	660	720														
	Electrical Heating Power	kW	38	42	48	50	70	80	95	100	130	175	220	270	330	390														
	Temperature Heating Zone		7																											
	Oil Tank Capacity	L	1,800	1,850	1,900	2,400	2,500	2,850	3,450	4,000	4,300	6,100	7,550	8,800	11,100	12,600														
Others	Machine Dimensions(LxWxH)	m	10.8x4.2x3.5	10.9x4.2x3.5	11.0x4.2x3.5	11.8x4.2x3.5	12.4x4.2x3.5	12.5x4.2x3.5	12.9x4.2x3.5	12.9x4.2x3.5	14.0x4.2x3.5	14.8x4.2x3.5	16.4x4.2x3.5	17.7x4.2x3.5	20.2x4.2x3.5	22.2x4.2x3.5														
	Machine Weight(Approx.)	ton	69	70	72	74	76	78	79	80	87	95	105	118	135	155														



SM1650-TP-SVP/2

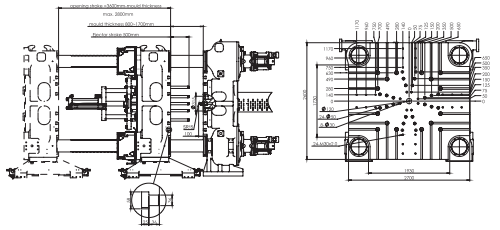
Clamping Unit	Clamping Force(Max.)	ton	1,650																											
	Opening Force	ton	165																											
	Opening Stroke	mm	1,700 - 2,500																											
	Space Between Tie Bar(HxV)	mm	1,570 X 1,470																											
	Mould Thickness(Min.-Max.)	mm	600 - 1,400																											
	Maximum Daylight	mm	3,100																											
	Clamp Closing Speed(Max.)	m/min	45																											
	Clamp Opening Speed(Max.)	m/min	45																											
	Ejector Force(Max.)	ton	35																											
	Ejector Stroke	mm	400																											
Mould Register Hole	mm	315																												
		J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H		
Injection Unit	Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081	
	Swept Volume	cm³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573	
	Screw Diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300	
	Injection Pressure(Max.)	Mpa	187	159	184	155	184	146	184	155	184	157	180	155	180	157	180	132	160	123	160	126	160	130	160	132	160	134	160	
	Injection Stroke	mm	400		450		500		550		600		650		700		820		960		1,100		1,240		1,370		1,500		1,650	
	Screw Rotation Speed (Max.)	rpm	150		140		130		115		110		100		95		80		83		69		65		60		50		40	
	Injection Rate	cm³/s	560	658	635	753	720	907	885	1,053	1,045	1,226	1,215	1,409	1,390	1,596	1,390	1,892	1,790	2,339	2,210	2,797	2,720	3,358	3,120	3,775	4,310	5,129	4,965	
	Screw L/D Ratio		22.0	20.3	22.0	20.2	22.0	19.6	22.0	20.2	22.0	20.3	22.0	20.4	22.0	20.5	22.0	18.9	22.0	19.3	22.0	19.6	22.0	19.8	22.0	20.0	22.0	20.2	22.0	
Nozzle Contact Force	ton	13.2																												
Power/Heating Unit	System Pressure	kgf/cm²	175																											
	Servo Motor Power	kW	84	96	108	132	168	180	204	204	240	300	360	480	660	720														
	Electrical Heating Power	kW	38	42	48	50	70	80	95	100	130	175	220	270	330	390														
	Temperature Heating Zone		7																											
	Oil Tank Capacity	L	1,780	1,830	1,880	2,350	2,450	2,800	3,400	3,950	4,250	6,050	7,500	8,750	11,050	12,550														
Others	Machine Dimensions(LxWxH)	m	10.6x3.8x3.3	10.7x3.8x3.3	10.8x3.8x3.3	11.6x3.8x3.3	12.2x3.8x3.3	12.3x3.8x3.3	12.7x3.8x3.3	12.7x3.8x3.3	13.7x3.8x3.3	14.6x3.8x3.3	16.1x3.8x3.3	17.5x3.8x3.3	20.0x3.8x3.3	22.0x3.8x3.3														
	Machine Weight(Approx.)	ton	59	60	62	64	66	68	69	70	77	85	95	108	125	145														



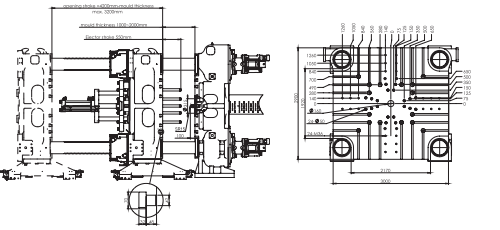
SM2200-TP-SVP/2

Clamping Unit	Clamping Force(Max.)	ton	2,200																									
	Opening Force	ton	210																									
	Opening Stroke	mm	1,600 - 2,500																									
	Space Between Tie Bar(HxV)	mm	1,820 X 1,520																									
	Mould Thickness(Min.-Max.)	mm	700 - 1,600																									
	Maximum Daylight	mm	3,200																									
	Clamp Closing Speed(Max.)	m/min	45																									
	Clamp Opening Speed(Max.)	m/min	45																									
	Ejector Force(Max.)	ton	45																									
	Ejector Stroke	mm	450																									
Mould Register Hole	mm	315																										
		J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Injection Unit	Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011</		

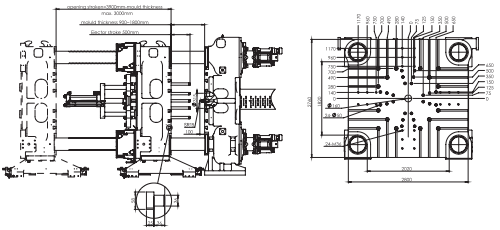
SM2600-TP-SVP/2

Clamping Unit	Clamping Force(Max.)	ton																												2,600																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Opening Force	ton																												210																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Opening Stroke	mm																												1,900 - 2,800																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Space Between Tie Bar(HxV)	mm																												1,930 X 1,730																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Mould Thickness(Min.-Max.)	mm																												800 - 1,700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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<table border="1"> <thead> <tr> <th></th> <th>J1</th> <th>J2</th> <th>K1</th> <th>K2</th> <th>N1</th> <th>N2</th> <th>P1</th> <th>P2</th> <th>Q1</th> <th>Q2</th> <th>A1</th> <th>A2</th> <th>R1</th> <th>R2</th> <th>B1</th> <th>B2</th> <th>C1</th> <th>C2</th> <th>D1</th> <th>D2</th> <th>E1</th> <th>E2</th> <th>F1</th> <th>F2</th> <th>G1</th> <th>G2</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>Shot Weight(PS)</td> <td>g</td> <td>1,968</td> <td>2,314</td> <td>2,604</td> <td>3,087</td> <td>3,430</td> <td>4,322</td> <td>4,754</td> <td>5,658</td> <td>6,172</td> <td>7,244</td> <td>7,847</td> <td>9,101</td> <td>9,801</td> <td>11,251</td> <td>13,180</td> <td>17,939</td> <td>21,002</td> <td>27,431</td> <td>31,431</td> <td>39,780</td> <td>44,843</td> <td>55,362</td> <td>61,166</td> <td>74,011</td> <td>81,034</td> <td>96,437</td> <td>106,081</td> </tr> <tr> <td>Swept Volume</td> <td>cm³</td> <td>2,163</td> <td>2,543</td> <td>2,861</td> <td>3,393</td> <td>3,770</td> <td>4,749</td> <td>5,224</td> <td>6,217</td> <td>6,782</td> <td>7,960</td> <td>8,623</td> <td>10,001</td> <td>10,770</td> <td>12,364</td> <td>14,483</td> <td>19,713</td> <td>23,079</td> <td>30,144</td> <td>34,540</td> <td>43,715</td> <td>49,278</td> <td>60,838</td> <td>67,216</td> <td>81,331</td> <td>89,048</td> <td>105,975</td> <td>116,573</td> </tr> <tr> <td>Screw Diameter</td> <td>mm</td> <td>83</td> <td>90</td> <td>90</td> <td>98</td> <td>98</td> <td>110</td> <td>120</td> <td>120</td> <td>130</td> <td>130</td> <td>140</td> <td>140</td> <td>150</td> <td>150</td> <td>175</td> <td>175</td> <td>200</td> <td>200</td> <td>225</td> <td>225</td> <td>250</td> <td>250</td> <td>275</td> <td>275</td> <td>300</td> <td>300</td> <td>300</td> </tr> <tr> <td>Injection Pressure(Max.)</td> <td>Mpa</td> <td>187</td> <td>159</td> <td>184</td> <td>155</td> <td>184</td> <td>146</td> <td>184</td> <td>155</td> <td>184</td> <td>157</td> <td>180</td> <td>157</td> <td>180</td> <td>132</td> <td>160</td> <td>123</td> <td>160</td> <td>126</td> <td>160</td> <td>130</td> <td>160</td> <td>132</td> <td>160</td> <td>134</td> <td>160</td> <td>160</td> <td>160</td> </tr> <tr> <td>Injection Stroke</td> <td>mm</td> <td colspan="2">400</td> <td colspan="2">450</td> <td colspan="2">500</td> <td colspan="2">550</td> <td colspan="2">600</td> <td colspan="2">650</td> <td colspan="2">700</td> <td colspan="2">820</td> <td colspan="2">960</td> <td colspan="2">1,100</td> <td colspan="2">1,240</td> <td colspan="2">1,370</td> <td colspan="2">1,500</td> <td>1,650</td> </tr> <tr> <td>Screw Rotation Speed (Max.)</td> <td>rpm</td> <td colspan="2">150</td> <td colspan="2">140</td> <td colspan="2">130</td> <td colspan="2">115</td> <td colspan="2">110</td> <td colspan="2">100</td> <td colspan="2">95</td> <td colspan="2">95</td> <td colspan="2">80</td> <td colspan="2">83</td> <td colspan="2">69</td> <td colspan="2">65</td> <td colspan="2">50</td> <td>40</td> </tr> <tr> <td>Injection Rate</td> <td>cm³/s</td> <td>560</td> <td>658</td> <td>635</td> <td>753</td> <td>720</td> <td>907</td> <td>885</td> <td>1,053</td> <td>1,045</td> <td>1,226</td> <td>1,215</td> <td>1,409</td> <td>1,390</td> <td>1,596</td> <td>1,390</td> <td>1,892</td> <td>1,790</td> <td>2,339</td> <td>2,210</td> <td>2,797</td> <td>2,720</td> <td>3,358</td> <td>3,120</td> <td>3,775</td> <td>4,310</td> <td>5,129</td> <td>4,965</td> </tr> <tr> <td>Screw L/D Ratio</td> <td></td> <td>22.0</td> <td>20.3</td> <td>22.0</td> <td>20.2</td> <td>22.0</td> <td>19.6</td> <td>22.0</td> <td>20.2</td> <td>22.0</td> <td>20.3</td> <td>22.0</td> <td>20.4</td> <td>22.0</td> <td>20.5</td> <td>22.0</td> <td>18.9</td> <td>22.0</td> <td>19.3</td> <td>22.0</td> <td>19.6</td> <td>22.0</td> <td>19.8</td> <td>22.0</td> <td>20.0</td> <td>22.0</td> <td>20.2</td> <td>22.0</td> </tr> <tr> <td>Nozzle Contact Force</td> <td>ton</td> <td colspan="28">13.2</td> </tr> <tr> <td rowspan="5">Power/Heating Unit</td> <td>System Pressure</td> <td colspan="28">kgf/cm²</td> <td colspan="2">175</td> </tr> <tr> <td>Servo Motor Power</td> <td colspan="28">kW</td> <td>84</td> <td>96</td> <td>108</td> <td>132</td> <td>168</td> <td>180</td> <td>204</td> <td>204</td> <td>240</td> <td>300</td> <td>360</td> <td>480</td> <td>660</td> <td>720</td> </tr> <tr> <td>Electrical Heating Power</td> <td colspan="28">kW</td> <td>38</td> <td>42</td> <td>48</td> <td>50</td> <td>70</td> <td>80</td> <td>95</td> <td>100</td> <td>130</td> <td>175</td> <td>220</td> <td>270</td> <td>330</td> <td>390</td> </tr> <tr> <td>Temperature Heating Zone</td> <td colspan="28"></td> <td colspan="2">7</td> </tr> <tr> <td>Oil Tank Capacity</td> <td colspan="28">L</td> <td>1,850</td> <td>1,900</td> <td>1,950</td> <td>2,450</td> <td>2,550</td> <td>2,900</td> <td>3,500</td> <td>4,050</td> <td>4,350</td> <td>6,150</td> <td>7,600</td> <td>8,850</td> <td>11,150</td> <td>12,650</td> </tr> <tr> <td rowspan="2">Others</td> <td>Machine Dimensions(LxWxH)</td> <td colspan="28">m</td> <td>11.5x4.4x3.7</td> <td>11.6x4.4x3.7</td> <td>11.7x4.4x3.7</td> <td>12.5x4.4x3.7</td> <td>13.1x4.4x3.7</td> <td>13.2x4.4x3.7</td> <td>13.6x4.4x3.7</td> <td>13.6x4.4x3.7</td> <td>14.6x4.4x3.7</td> <td>15.5x4.4x3.7</td> <td>17.0x4.4x3.7</td> <td>18.4x4.4x3.7</td> <td>20.8x4.4x3.7</td> <td>20.9x4.4x3.7</td> </tr> <tr> <td>Machine Weight(Approx.)</td> <td colspan="28">ton</td> <td>94</td> <td>95</td> <td>97</td> <td>99</td> <td>101</td> <td>103</td> <td>104</td> <td>105</td> <td>112</td> <td>120</td> <td>130</td> <td>143</td> <td>160</td> <td>180</td> </tr> </tbody> </table>																															J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H	Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081	Swept Volume	cm ³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573	Screw Diameter	mm	83	90	90	98	98	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300	300	Injection Pressure(Max.)	Mpa	187	159	184	155	184	146	184	155	184	157	180	157	180	132	160	123	160	126	160	130	160	132	160	134	160	160	160	Injection Stroke	mm	400		450		500		550		600		650		700		820		960		1,100		1,240		1,370		1,500		1,650	Screw Rotation Speed (Max.)	rpm	150		140		130		115		110		100		95		95		80		83		69		65		50		40	Injection Rate	cm ³ /s	560	658	635	753	720	907	885	1,053	1,045	1,226	1,215	1,409	1,390	1,596	1,390	1,892	1,790	2,339	2,210	2,797	2,720	3,358	3,120	3,775	4,310	5,129	4,965	Screw L/D Ratio		22.0	20.3	22.0	20.2	22.0	19.6	22.0	20.2	22.0	20.3	22.0	20.4	22.0	20.5	22.0	18.9	22.0	19.3	22.0	19.6	22.0	19.8	22.0	20.0	22.0	20.2	22.0	Nozzle Contact Force	ton	13.2																												Power/Heating Unit	System Pressure	kgf/cm ²																												175		Servo Motor Power	kW																												84	96	108	132	168	180	204	204	240	300	360	480	660	720	Electrical Heating Power	kW																												38	42	48	50	70	80	95	100	130	175	220	270	330	390	Temperature Heating Zone																													7		Oil Tank Capacity	L																												1,850	1,900	1,950	2,450	2,550	2,900	3,500	4,050	4,350	6,150	7,600	8,850	11,150	12,650	Others	Machine Dimensions(LxWxH)	m																												11.5x4.4x3.7	11.6x4.4x3.7	11.7x4.4x3.7	12.5x4.4x3.7	13.1x4.4x3.7	13.2x4.4x3.7	13.6x4.4x3.7	13.6x4.4x3.7	14.6x4.4x3.7	15.5x4.4x3.7	17.0x4.4x3.7	18.4x4.4x3.7	20.8x4.4x3.7	20.9x4.4x3.7	Machine Weight(Approx.)	ton																												94	95	97	99	101	103	104	105	112	120	130	143	160	180
	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Swept Volume	cm ³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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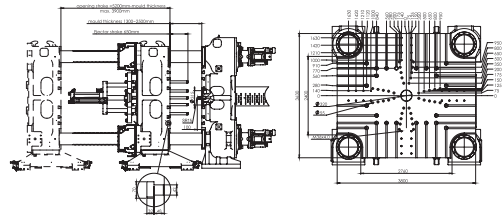
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<td>6,217</td> <td>6,782</td> <td>7,960</td> <td>8,623</td> <td>10,001</td> <td>10,770</td> <td>12,364</td> <td>14,483</td> <td>19,713</td> <td>23,079</td> <td>30,144</td> <td>34,540</td> <td>43,715</td> <td>49,278</td> <td>60,838</td> <td>67,216</td> <td>81,331</td> <td>89,048</td> <td>105,975</td> <td>116,573</td> </tr> <tr> <td>Screw Diameter</td> <td>mm</td> <td>83</td> <td>90</td> <td>90</td> <td>98</td> <td>98</td> <td>110</td> <td>120</td> <td>120</td> <td>130</td> <td>130</td> <td>140</td> <td>140</td> <td>150</td> <td>150</td> <td>175</td> <td>175</td> <td>200</td> <td>200</td> <td>225</td> <td>225</td> <td>250</td> <td>250</td> <td>275</td> <td>275</td> <td>300</td> <td>300</td> <td>300</td> </tr> <tr> <td>Injection Pressure(Max.)</td> <td>Mpa</td> <td>187</td> <td>159</td> <td>184</td> <td>155</td> <td>184</td> <td>146</td> <td>184</td> <td>155</td> <td>184</td> <td>157</td> <td>180</td> <td>155</td> <td>180</td> <td>132</td> <td>160</td> <td>123</td> <td>160</td> <td>126</td> <td>160</td> <td>130</td> <td>160</td> <td>132</td> <td>160</td> <td>134</td> <td>160</td> <td>160</td> <td>160</td> </tr> <tr> <td>Injection Stroke</td> <td>mm</td> <td colspan="2">400</td> <td colspan="2">450</td> <td colspan="2">500</td> <td colspan="2">550</td> <td colspan="2">600</td> <td colspan="2">650</td> <td colspan="2">700</td> <td colspan="2">820</td> <td colspan="2">960</td> <td colspan="2">1,100</td> <td colspan="2">1,240</td> <td colspan="2">1,370</td> <td colspan="2">1,500</td> <td>1,650</td> </tr> <tr> <td>Screw Rotation Speed (Max.)</td> <td>rpm</td> <td colspan="2">150</td> <td colspan="2">140</td> <td colspan="2">130</td> <td colspan="2">115</td> <td colspan="2">110</td> <td colspan="2">100</td> <td colspan="2">95</td> <td colspan="2">95</td> <td colspan="2">80</td> <td colspan="2">83</td> <td colspan="2">69</td> <td colspan="2">65</td> <td colspan="2">50</td> <td>40</td> </tr> <tr> <td>Injection Rate</td> <td>cm³/s</td> <td>560</td> <td>658</td> <td>635</td> <td>753</td> <td>720</td> <td>907</td> <td>885</td> <td>1,053</td> <td>1,045</td> <td>1,226</td> <td>1,215</td> <td>1,409</td> <td>1,390</td> <td>1,596</td> <td>1,390</td> <td>1,892</td> <td>1,790</td> <td>2,339</td> <td>2,210</td> <td>2,797</td> <td>2,720</td> <td>3,358</td> <td>3,120</td> <td>3,775</td> <td>4,310</td> <td>5,129</td> <td>4,965</td> </tr> <tr> <td>Screw L/D Ratio</td> <td></td> <td>22.0</td> <td>20.3</td> <td>22.0</td> <td>20.2</td> <td>22.0</td> <td>19.6</td> <td>22.0</td> <td>20.2</td> <td>22.0</td> <td>20.3</td> <td>22.0</td> <td>20.4</td> <td>22.0</td> <td>20.5</td> <td>22.0</td> <td>18.9</td> <td>22.0</td> <td>19.3</td> <td>22.0</td> <td>19.6</td> <td>22.0</td> <td>19.8</td> <td>22.0</td> <td>20.0</td> <td>22.0</td> <td>20.2</td> <td>22.0</td> </tr> <tr> <td>Nozzle Contact Force</td> <td>ton</td> <td colspan="28">13.2</td> </tr> <tr> <td rowspan="5">Power/Heating Unit</td> <td>System Pressure</td> <td colspan="28">kgf/cm²</td> <td colspan="2">175</td> </tr> <tr> <td>Servo Motor Power</td> <td colspan="28">kW</td> <td>84</td> <td>96</td> <td>108</td> <td>132</td> <td>168</td> <td>180</td> <td>204</td> <td>204</td> <td>240</td> <td>300</td> <td>360</td> <td>480</td> <td>660</td> <td>720</td> </tr> <tr> <td>Electrical Heating Power</td> <td colspan="28">kW</td> <td>38</td> <td>42</td> <td>48</td> <td>50</td> <td>70</td> <td>80</td> <td>95</td> <td>100</td> <td>130</td> <td>175</td> <td>220</td> <td>270</td> <td>330</td> <td>390</td> </tr> <tr> <td>Temperature Heating Zone</td> <td colspan="28"></td> <td colspan="2">7</td> </tr> <tr> <td>Oil Tank Capacity</td> <td colspan="28">L</td> <td>1,950</td> <td>2,000</td> <td>2,050</td> <td>2,550</td> <td>2,650</td> <td>3,000</td> <td>3,600</td> <td>4,150</td> <td>4,450</td> <td>6,250</td> <td>7,700</td> <td>8,950</td> <td>11,250</td> <td>12,750</td> </tr> <tr> <td rowspan="2">Others</td> <td>Machine Dimensions(LxWxH)</td> <td colspan="28">m</td> <td>12.4x5.3x4.2</td> <td>12.5x5.3x4.2</td> <td>12.6x5.3x4.2</td> <td>13.5x5.3x4.2</td> <td>14.0x5.3x4.2</td> <td>14.2x5.3x4.2</td> <td>14.5x5.3x4.2</td> <td>14.5x5.3x4.2</td> <td>15.6x5.3x4.2</td> <td>16.5x5.3x4.2</td> <td>18.0x5.3x4.2</td> <td>19.4x5.3x4.2</td> <td>21.8x5.3x4.2</td> <td>23.8x5.3x4.2</td> </tr> <tr> <td>Machine Weight(Approx.)</td> <td colspan="28">ton</td> <td>139</td> <td>140</td> <td>142</td> <td>144</td> <td>146</td> <td>148</td> <td>149</td> <td>150</td> <td>157</td> <td>165</td> <td>175</td> <td>188</td> <td>205</td> <td>225</td> </tr> </tbody> </table>																															J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H	Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081	Swept Volume	cm ³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573	Screw Diameter	mm	83	90	90	98	98	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300	300	Injection Pressure(Max.)	Mpa	187	159	184	155	184	146	184	155	184	157	180	155	180	132	160	123	160	126	160	130	160	132	160	134	160	160	160	Injection Stroke	mm	400		450		500		550		600		650		700		820		960		1,100		1,240		1,370		1,500		1,650	Screw Rotation Speed (Max.)	rpm	150		140		130		115		110		100		95		95		80		83		69		65		50		40	Injection Rate	cm ³ /s	560	658	635	753	720	907	885	1,053	1,045	1,226	1,215	1,409	1,390	1,596	1,390	1,892	1,790	2,339	2,210	2,797	2,720	3,358	3,120	3,775	4,310	5,129	4,965	Screw L/D Ratio		22.0	20.3	22.0	20.2	22.0	19.6	22.0	20.2	22.0	20.3	22.0	20.4	22.0	20.5	22.0	18.9	22.0	19.3	22.0	19.6	22.0	19.8	22.0	20.0	22.0	20.2	22.0	Nozzle Contact Force	ton	13.2																												Power/Heating Unit	System Pressure	kgf/cm ²																												175		Servo Motor Power	kW																												84	96	108	132	168	180	204	204	240	300	360	480	660	720	Electrical Heating Power	kW																												38	42	48	50	70	80	95	100	130	175	220	270	330	390	Temperature Heating Zone																													7		Oil Tank Capacity	L																												1,950	2,000	2,050	2,550	2,650	3,000	3,600	4,150	4,450	6,250	7,700	8,950	11,250	12,750	Others	Machine Dimensions(LxWxH)	m																												12.4x5.3x4.2	12.5x5.3x4.2	12.6x5.3x4.2	13.5x5.3x4.2	14.0x5.3x4.2	14.2x5.3x4.2	14.5x5.3x4.2	14.5x5.3x4.2	15.6x5.3x4.2	16.5x5.3x4.2	18.0x5.3x4.2	19.4x5.3x4.2	21.8x5.3x4.2	23.8x5.3x4.2	Machine Weight(Approx.)	ton																												139	140	142	144	146	148	149	150	157	165	175	188	205	225
	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Swept Volume	cm ³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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<table border="1"> <thead> <tr> <th></th> <th>J1</th> <th>J2</th> <th>K1</th> <th>K2</th> <th>N1</th> <th>N2</th> <th>P1</th> <th>P2</th> <th>Q1</th> <th>Q2</th> <th>A1</th> <th>A2</th> <th>R1</th> <th>R2</th> <th>B1</th> <th>B2</th> <th>C1</th> <th>C2</th> <th>D1</th> <th>D2</th> <th>E1</th> <th>E2</th> <th>F1</th> <th>F2</th> <th>G1</th> <th>G2</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>Shot Weight(PS)</td> <td>g</td> <td>1,968</td> <td>2,314</td> <td>2,604</td> <td>3,087</td> <td>3,430</td> <td>4,322</td> <td>4,754</td> <td>5,658</td> <td>6,172</td> <td>7,244</td> <td>7,847</td> <td>9,101</td> <td>9,801</td> <td>11,251</td> <td>13,180</td> <td>17,939</td> <td>21,002</td> <td>27,431</td> <td>31,431</td> <td>39,780</td> <td>44,843</td> <td>55,362</td> <td>61,166</td> <td>74,011</td> <td>81,034</td> <td>96,437</td> <td>106,081</td> </tr> <tr> <td>Swept Volume</td> <td>cm³</td> <td>2,163</td> <td>2,543</td> <td>2,861</td> <td>3,393</td> <td>3,770</td> <td>4,749</td> <td>5,224</td> <td>6,217</td> <td>6,782</td> <td>7,960</td> <td>8,623</td> <td>10,001</td> <td>10,770</td> <td>12,364</td> <td>14,483</td> <td>19,713</td> <td>23,079</td> <td>30,144</td> <td>34,540</td> <td>43,715</td> <td>49,278</td> <td>60,838</td> <td>67,216</td> <td>81,331</td> <td>89,048</td> <td>105,975</td> <td>116,573</td> </tr> <tr> <td>Screw Diameter</td> <td>mm</td> <td>83</td> <td>90</td> <td>90</td> <td>98</td> <td>98</td> <td>110</td> <td>120</td> <td>120</td> <td>130</td> <td>130</td> <td>140</td> <td>140</td> <td>150</td> <td>150</td> <td>175</td> <td>175</td> <td>200</td> <td>200</td> <td>225</td> <td>225</td> <td>250</td> <td>250</td> <td>275</td> <td>275</td> <td>300</td> <td>300</td> <td>300</td> </tr> <tr> <td>Injection Pressure(Max.)</td> <td>Mpa</td> <td>187</td> <td>159</td> <td>184</td> <td>155</td> <td>184</td> <td>146</td> <td>184</td> <td>155</td> <td>184</td> <td>157</td> <td>180</td> <td>155</td> <td>180</td> <td>132</td> <td>160</td> <td>123</td> <td>160</td> <td>126</td> <td>160</td> <td>130</td> <td>160</td> <td>132</td> <td>160</td> <td>134</td> <td>160</td> <td>160</td> <td>160</td> </tr> <tr> <td>Injection Stroke</td> <td>mm</td> <td colspan="2">400</td> <td colspan="2">450</td> <td colspan="2">500</td> <td colspan="2">550</td> <td colspan="2">600</td> <td colspan="2">650</td> <td colspan="2">700</td> <td colspan="2">820</td> <td colspan="2">960</td> <td colspan="2">1,100</td> <td colspan="2">1,240</td> <td colspan="2">1,370</td> <td colspan="2">1,500</td> <td>1,650</td> </tr> <tr> <td>Screw Rotation Speed (Max.)</td> <td>rpm</td> <td colspan="2">150</td> <td colspan="2">140</td> <td colspan="2">130</td> <td colspan="2">115</td> <td colspan="2">110</td> <td colspan="2">100</td> <td colspan="2">95</td> <td colspan="2">95</td> <td colspan="2">80</td> <td colspan="2">83</td> <td colspan="2">69</td> <td colspan="2">65</td> <td colspan="2">50</td> <td>40</td> </tr> <tr> <td>Injection Rate</td> <td>cm³/s</td> <td>560</td> <td>658</td> <td>635</td> <td>753</td> <td>720</td> <td>907</td> <td>885</td> <td>1,053</td> <td>1,045</td> <td>1,226</td> <td>1,215</td> <td>1,409</td> <td>1,390</td> <td>1,596</td> <td>1,390</td> <td>1,892</td> <td>1,790</td> <td>2,339</td> <td>2,210</td> <td>2,797</td> <td>2,720</td> <td>3,358</td> <td>3,120</td> <td>3,775</td> <td>4,310</td> <td>5,129</td> <td>4,965</td> </tr> <tr> <td>Screw L/D Ratio</td> <td></td> <td>22.0</td> <td>20.3</td> <td>22.0</td> <td>20.2</td> <td>22.0</td> <td>19.6</td> <td>22.0</td> <td>20.2</td> <td>22.0</td> <td>20.3</td> <td>22.0</td> <td>20.4</td> <td>22.0</td> <td>20.5</td> <td>22.0</td> <td>18.9</td> <td>22.0</td> <td>19.3</td> <td>22.0</td> <td>19.6</td> <td>22.0</td> <td>19.8</td> <td>22.0</td> <td>20.0</td> <td>22.0</td> <td>20.2</td> <td>22.0</td> </tr> <tr> <td>Nozzle Contact Force</td> <td>ton</td> <td colspan="28">13.2</td> </tr> <tr> <td rowspan="5">Power/Heating Unit</td> <td>System Pressure</td> <td colspan="28">kgf/cm²</td> <td colspan="2">175</td> </tr> <tr> <td>Servo Motor Power</td> <td colspan="28">kW</td> <td>84</td> <td>96</td> <td>108</td> <td>132</td> <td>168</td> <td>180</td> <td>204</td> <td>204</td> <td>240</td> <td>300</td> <td>360</td> <td>480</td> <td>660</td> <td>720</td> </tr> <tr> <td>Electrical Heating Power</td> <td colspan="28">kW</td> <td>38</td> <td>42</td> <td>48</td> <td>50</td> <td>70</td> <td>80</td> <td>95</td> <td>100</td> <td>130</td> <td>175</td> <td>220</td> <td>270</td> <td>330</td> <td>390</td> </tr> <tr> <td>Temperature Heating Zone</td> <td colspan="28"></td> <td colspan="2">7</td> </tr> <tr> <td>Oil Tank Capacity</td> <td colspan="28">L</td> <td>1,900</td> <td>1,950</td> <td>2,000</td> <td>2,500</td> <td>2,600</td> <td>2,950</td> <td>3,550</td> <td>4,100</td> <td>4,400</td> <td>6,200</td> <td>7,650</td> <td>8,900</td> <td>11,200</td> <td>12,700</td> </tr> <tr> <td rowspan="2">Others</td> <td>Machine Dimensions(LxWxH)</td> <td colspan="28">m</td> <td>11.9x5.0x4</td> <td>12.0x5.0x4</td> <td>12.1x5.0x4</td> <td>12.9x5.0x4</td> <td>13.6x5.0x4</td> <td>13.7x5.0x4</td> <td>14.1x5.0x4</td> <td>14.1x5.0x4</td> <td>15.1x5.0x4</td> <td>16.0x5.0x4</td> <td>17.5x5.0x4</td> <td>18.9x5.0x4</td> <td>21.3x5.0x4</td> <td>23.3x5.0x4</td> </tr> <tr> <td>Machine Weight(Approx.)</td> <td colspan="28">ton</td> <td>114</td> <td>115</td> <td>117</td> <td>119</td> <td>121</td> <td>123</td> <td>124</td> <td>125</td> <td>132</td> <td>140</td> <td>150</td> <td>163</td> <td>180</td> <td>200</td> </tr> </tbody> </table>																															J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H	Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081	Swept Volume	cm ³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573	Screw Diameter	mm	83	90	90	98	98	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300	300	Injection Pressure(Max.)	Mpa	187	159	184	155	184	146	184	155	184	157	180	155	180	132	160	123	160	126	160	130	160	132	160	134	160	160	160	Injection Stroke	mm	400		450		500		550		600		650		700		820		960		1,100		1,240		1,370		1,500		1,650	Screw Rotation Speed (Max.)	rpm	150		140		130		115		110		100		95		95		80		83		69		65		50		40	Injection Rate	cm ³ /s	560	658	635	753	720	907	885	1,053	1,045	1,226	1,215	1,409	1,390	1,596	1,390	1,892	1,790	2,339	2,210	2,797	2,720	3,358	3,120	3,775	4,310	5,129	4,965	Screw L/D Ratio		22.0	20.3	22.0	20.2	22.0	19.6	22.0	20.2	22.0	20.3	22.0	20.4	22.0	20.5	22.0	18.9	22.0	19.3	22.0	19.6	22.0	19.8	22.0	20.0	22.0	20.2	22.0	Nozzle Contact Force	ton	13.2																												Power/Heating Unit	System Pressure	kgf/cm ²																												175		Servo Motor Power	kW																												84	96	108	132	168	180	204	204	240	300	360	480	660	720	Electrical Heating Power	kW																												38	42	48	50	70	80	95	100	130	175	220	270	330	390	Temperature Heating Zone																													7		Oil Tank Capacity	L																												1,900	1,950	2,000	2,500	2,600	2,950	3,550	4,100	4,400	6,200	7,650	8,900	11,200	12,700	Others	Machine Dimensions(LxWxH)	m																												11.9x5.0x4	12.0x5.0x4	12.1x5.0x4	12.9x5.0x4	13.6x5.0x4	13.7x5.0x4	14.1x5.0x4	14.1x5.0x4	15.1x5.0x4	16.0x5.0x4	17.5x5.0x4	18.9x5.0x4	21.3x5.0x4	23.3x5.0x4	Machine Weight(Approx.)	ton																												114	115	117	119	121	123	124	125	132	140	150	163	180	200
	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Swept Volume	cm ³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Screw Diameter	mm	83	90	90	98	98	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300	300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Injection Pressure(Max.)	Mpa	187	159	184	155	184	146	184	155	184	157	180	155	180	132	160	123	160	126	160	130	160	132	160	134	160	160	160																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Injection Stroke	mm	400		450		500		550		600		650		700		820		960		1,100		1,240		1,370		1,500		1,650																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Screw Rotation Speed (Max.)	rpm	150		140		130		115		110		100		95		95		80		83		69		65		50		40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Injection Rate	cm ³ /s	560	658	635	753	720	907	885	1,053	1,045	1,226	1,215	1,409	1,390	1,596	1,390	1,892	1,790	2,339	2,210	2,797	2,720	3,358	3,120	3,775	4,310	5,129	4,965																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Screw L/D Ratio		22.0	20.3	22.0	20.2	22.0	19.6	22.0	20.2	22.0	20.3	22.0	20.4	22.0	20.5	22.0	18.9	22.0	19.3	22.0	19.6	22.0	19.8	22.0	20.0	22.0	20.2	22.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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	Oil Tank Capacity	L																												1,900	1,950	2,000	2,500	2,600	2,950	3,550	4,100	4,400	6,200	7,650	8,900	11,200	12,700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Others	Machine Dimensions(LxWxH)	m																												11.9x5.0x4	12.0x5.0x4	12.1x5.0x4	12.9x5.0x4	13.6x5.0x4	13.7x5.0x4	14.1x5.0x4	14.1x5.0x4	15.1x5.0x4	16.0x5.0x4	17.5x5.0x4	18.9x5.0x4	21.3x5.0x4	23.3x5.0x4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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SM6500-TP-SVP/2

Clamping Unit	Clamping Force(Max.)	ton	6,500	
	Opening Force	ton	400	
	Opening Stroke	mm	2,700 - 3,900	
	Space Between Tie Bar(HxV)	mm	2,760 X 2,400	
	Mould Thickness(Min.-Max.)	mm	1,300 - 2,500	
	Maximum Daylight	mm	5,200	
	Clamp Closing Speed(Max.)	m/min	35	
	Clamp Opening Speed(Max.)	m/min	35	
	Ejector Force(Max.)	ton	80	
	Ejector Stroke	mm	650	
Mould Register Hole	mm	315		



	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H		
Shot Weight(PS)	g	1,968	2,314	2,604	3,087	3,430	4,322	4,754	5,658	6,172	7,244	7,847	9,101	9,801	11,251	13,180	17,939	21,002	27,431	31,431	39,780	44,843	55,362	61,166	74,011	81,034	96,437	106,081	
Swept Volume	cm³	2,163	2,543	2,861	3,393	3,770	4,749	5,224	6,217	6,782	7,960	8,623	10,001	10,770	12,364	14,483	19,713	23,079	30,144	34,540	43,715	49,278	60,838	67,216	81,331	89,048	105,975	116,573	
Screw Diameter	mm	83	90	90	98	98	110	110	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300	300	
Injection Pressure(Max.)	Mpa	187	159	184	155	184	146	184	155	184	157	180	155	180	157	180	132	160	123	160	126	160	130	160	132	160	134	160	
Injection Stroke	mm	400		450		500		550		600		650		700		820		960		1,100		1,240		1,370		1,500		1,650	
Screw Rotation Speed (Max.)	rpm	150		140		130		115		110		100		95		95	80	83	69	65	50	60	50	60	47	50	40	40	
Injection Rate	cm³/s	560	658	635	753	720	907	885	1,053	1,045	1,226	1,215	1,409	1,390	1,596	1,390	1,892	1,790	2,339	2,210	2,797	2,720	3,358	3,120	3,775	4,310	5,129	4,965	
Screw L/D Ratio		22.0	20.3	22.0	20.2	22.0	19.6	22.0	20.2	22.0	20.3	22.0	20.4	22.0	20.5	22.0	18.9	22.0	19.3	22.0	19.6	22.0	19.8	22.0	20.0	22.0	20.2	22.0	
Nozzle Contact Force	ton	13.2																											
System Pressure	kgf/cm²	175																											
Servo Motor Power	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720	
Electrial Heating Power	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390	
Temperature Heating Zone		7																											
Oil Tank Capacity	L	2,400		2,450		2,500		2,950		3,050		3,400		4,000		4,550		4,850		6,650		8,100		9,350		11,650		13,150	
Machine Dimensions(LxWxH)	m	14.0x6.4x5.0		14.2x6.4x5.0		14.3x6.4x5.0		15.1x6.4x5.0		15.7x6.4x5.0		15.8x6.4x5.0		16.2x6.4x5.0		16.2x6.4x5.0		17.2x6.4x5.0		18.1x6.4x5.0		19.6x6.4x5.0		21.0x6.4x5.0		23.5x6.4x5.0		25.0x6.4x5.0	
Machine Weight(Approx.)	ton	284		285		287		289		291		293		294		295		302		310		320		333		350		370	

* The technical parameters above are for reference only and discrepancies may arise in different circumstances. The company keeps upgrading the products and reserves the right to change the product specifications and parameters without prior notice. The final interpretation to the above specifications and parameters belongs to the company.

Standard

Cutting-Edge Two-Platen Technology from Mitsubishi Cooperation

