

SM-TP

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

Smallest Footprint

Largest Specs

Japanese-based designs



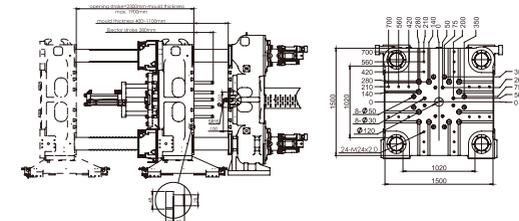
Insist on “True” Two-Platen Design

Shortest footprint - easy to fit into any factory



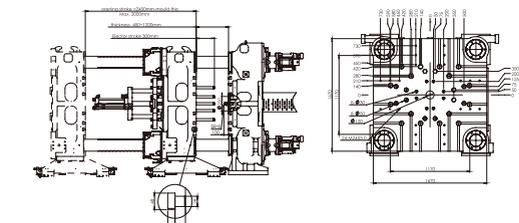
SM700-TP-SVP/2

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																										
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	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		95		83		69		65		50		60		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	82		93		112		119.5		157.5		195		206		206		255		315		375		510		690		750
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



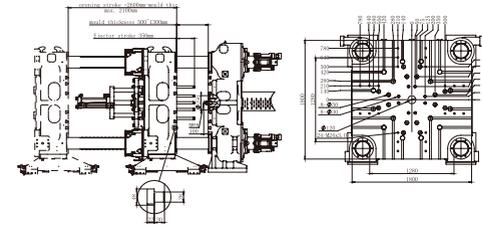
SM850-TP-SVP/2

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																										
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	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		95		83		69		65		50		60		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	82		93		112		119.5		157.5		195		206		206		255		315		375		510		690		750
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



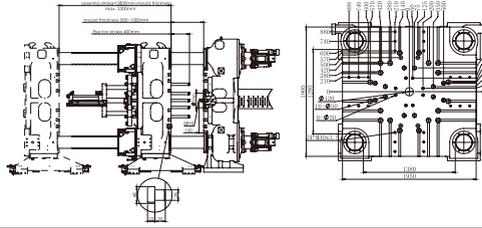
SM1050-TP-SVP/2

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								
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	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		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	82		93		112		119.5		157.5		195		206		206		255		315		375		510		690		750
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

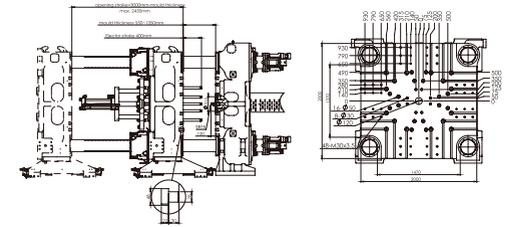
Clamping Unit	Clamping Force(Max.)	ton																				1,250							
	Opening Force	ton																				125							
	Opening Stroke	mm																				1,500 - 2,300							
	Space Between Tie Bar(HxV)	mm																				1,380 X 1,280							
	Mould Thickness(Min.-Max.)	mm																				500 - 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								
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	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		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	82		93		112		119.5		157.5		195		206		206		255		315		375		510		690		750
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	1,730		1,780		1,830		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	10.2x3.5x3		10.3x3.5x3		10.4x3.5x3		11.2x3.5x3		11.8x3.5x3		11.9x3.5x3		12.3x3.5x3		12.3x3.5x3		13.3x3.5x3		14.2x3.5x3		15.8x3.5x3		17.1x3.5x3		19.6x3.5x3		21.6x3.5x3
	Machine Weight(Approx.)	ton	49		50		52		54		56		58		59		60		67		75		85		98		115		135



* 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.

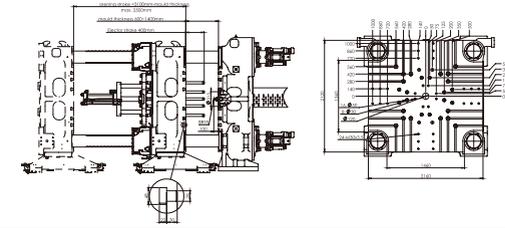
SM1450-TP-SVP/2

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	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	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		95		83		69		60		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	82		93		112		119.5		157.5		195		206		206		255		315		375		510		690		750	
Electrial Heating Power		kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390	
Temperature Heating Zone			7																											
Others	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	
	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		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	



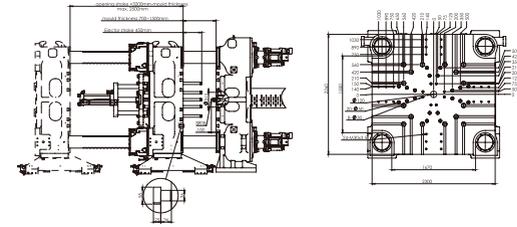
SM1650-TP-SVP/2

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	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	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		95		83		69		60		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	82		93		112		119.5		157.5		195		206		206		255		315		375		510		690		750	
Electrial Heating Power		kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390	
Temperature Heating Zone			7																											
Others	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		12,500	
	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	



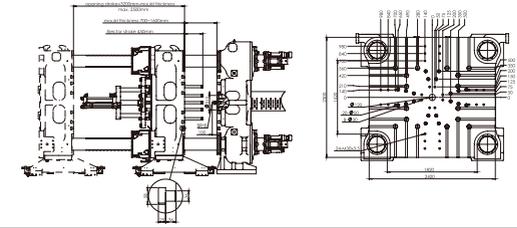
SM1900-TP-SVP/2

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	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	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		95		80		83		69		60		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	82		93		112		119.5		157.5		195		206		206		255		315		375		510		690		750	
Electrical Heating Power		kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390	
Temperature Heating Zone			7																											
Others	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	
	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	



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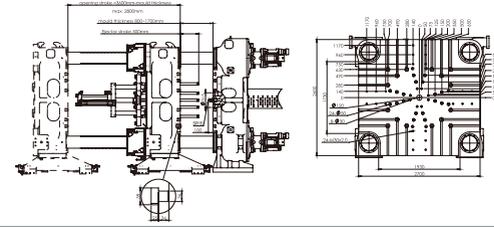
Clamping Unit	Clamping Force(Max.)	ton																				2,200								
	Opening Force	ton																				210								
	Opening Stroke	mm																				1,600 - 2,500								
	Space Between Tie Bar(HxV)	mm																				1,820 X 1,520								
	Mould Thickness(Min.-Max.)	mm																				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	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	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		95		80		83		69		60		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	82		93		112		119.5		157.5		195		206		206		255		315		375		510		690		750	
Electrical Heating Power		kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390	
Temperature Heating Zone			7																											
Others	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	
	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	74		75		77		79		81		83		84		85		92		100		110		123		140		160	



* 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.

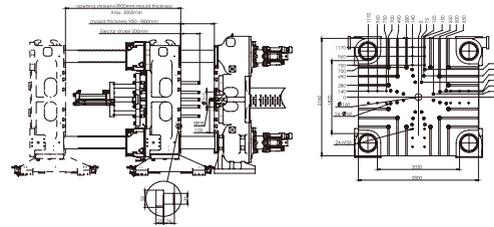
SM2600-TP-SVP/2

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																										
	Maximum Daylight	mm		3,600																										
	Clamp Closing Speed(Max.)	m/min		45																										
	Clamp Opening Speed(Max.)	m/min		45																										
	Ejector Force(Max.)	ton		45																										
	Ejector Stroke	mm		500																										
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	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	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		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	82	93		112	119.5		157.5	195		206	206		255	315		375	510		690	750								
Electrical Heating Power		kW	38	42		48	50		70	80		95	100		130	175		220	270		330	390								
Temperature Heating Zone			7																											
Others	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	
	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	



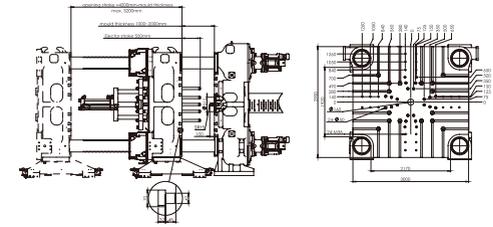
SM3000-TP-SVP/2

Clamping Unit	Clamping Force(Max.)	ton		3,000																										
	Opening Force	ton		300																										
	Opening Stroke	mm		2,100 - 3,000																										
	Space Between Tie Bar(HxV)	mm		2,020 X 1,820																										
	Mould Thickness(Min.-Max.)	mm		900 - 1,800																										
	Maximum Daylight	mm		3,900																										
	Clamp Closing Speed(Max.)	m/min		45																										
	Clamp Opening Speed(Max.)	m/min		45																										
	Ejector Force(Max.)	ton		45																										
	Ejector Stroke	mm		500																										
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	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	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		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	82	93		112	119.5		157.5	195		206	206		255	315		375	510		690	750								
Electrical Heating Power		kW	38	42		48	50		70	80		95	100		130	175		220	270		330	390								
Temperature Heating Zone			7																											
Others	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	
	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	



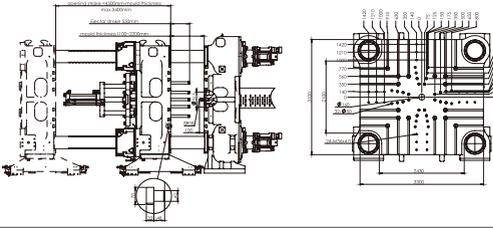
SM3600-TP-SVP/2

Clamping Unit	Clamping Force(Max.)	ton																								3,600																	
	Opening Force	ton																								300																	
	Opening Stroke	mm																								2,200 - 3,200																	
	Space Between Tie Bar(HxV)	mm																								2,170 X 1,920																	
	Mould Thickness(Min.-Max.)	mm																								1,000 - 2,000																	
	Maximum Daylight	mm																								4,200																	
	Clamp Closing Speed(Max.)	m/min																								45																	
	Clamp Opening Speed(Max.)	m/min																								45																	
	Ejector Force(Max.)	ton																								55																	
	Ejector Stroke	mm																								550																	
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	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		60		50		47		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	22.0													
	Nozzle Contact Force	ton																									13.2																
	Power/Heating Unit	System Pressure	kgf/cm²																								175																
Servo Motor Power		kW	82		93		112		119.5		157.5		195		206		206		255		315		375		510		690		750														
Electrical Heating Power		kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390														
Temperature Heating Zone																											7																
Others	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														
	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		225													



SM4500-TP-SVP/2

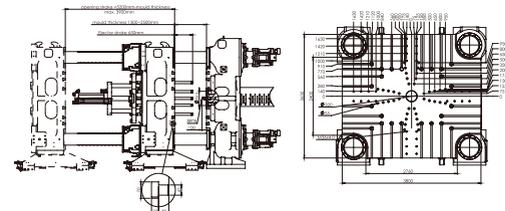
Clamping Unit	Clamping Force(Max.)	ton																								4,500																	
	Opening Force	ton																								300																	
	Opening Stroke	mm																								2,300 - 3,400																	
	Space Between Tie Bar(HxV)	mm																								2,430 X 2,100																	
	Mould Thickness(Min.-Max.)	mm																								1,100 - 2,200																	
	Maximum Daylight	mm																								4,500																	
	Clamp Closing Speed(Max.)	m/min																								40																	
	Clamp Opening Speed(Max.)	m/min																								40																	
	Ejector Force(Max.)	ton																								55																	
	Ejector Stroke	mm																								550																	
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	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		60		50		47		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	22.0													
	Nozzle Contact Force	ton																									13.2																
	Power/Heating Unit	System Pressure	kgf/cm²																								175																
Servo Motor Power		kW	82		93		112		119.5		157.5		195		206		206		255		315		375		510		690		750														
Electrical Heating Power		kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390														
Temperature Heating Zone																											7																
Others	Oil Tank Capacity	L	2,100		2,150		2,200		2,700		2,800		3,150		3,750		4,300		4,600		6,400		7,850		9,100		11,400		12,900														
	Machine Dimensions(LxWxH)	m	13.0x5.9x4.4			13.1x5.9x4.4			13.2x5.9x4.4			14.0x5.9x4.4			14.6x5.9x4.4			14.7x5.9x4.4			15.1x5.9x4.4			15.1x5.9x4.4			16.1x5.9x4.4			17x5.9x4.4			18.6x5.9x4.4			20x5.9x4.4			22.4x5.9x4.4			24.4x5.9x4.4	
Machine Weight(Approx.)	ton	174		175		177		179		181		183		184		185		192		200		210		223		240		260		260													



* 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.

SM6500-TP-SVP/2

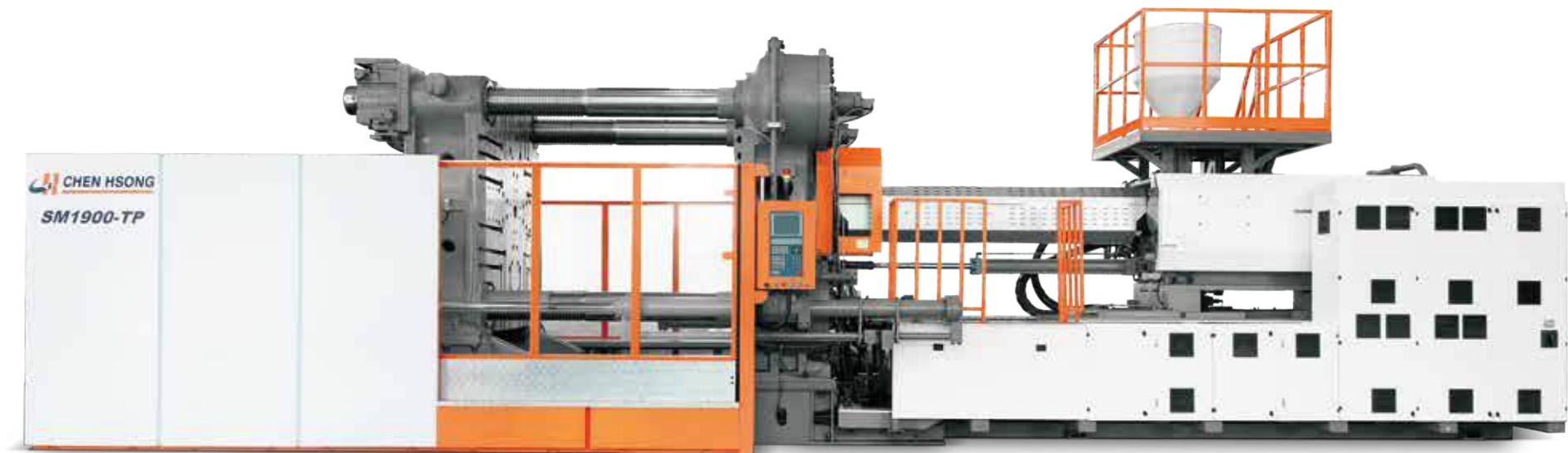
Clamping Unit																													
Clamping Force(Max.)	ton																											6,500	
Opening Force	ton																											400	
Opening Stroke	mm																											2,700 - 3,900	
Space Between Tie Bar(HxV)	mm																											2,760 X 2,400	
Mould Thickness(Min.-Max.)	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	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	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		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	82		93		112		119.5		157.5		195		206		206		255		315		375		510		690		750	
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	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	
Others																													
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	



Standard

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Cutting-Edge Two-Platen Technology from Mitsubishi Cooperation



MIK6 PRO

88-668 ton

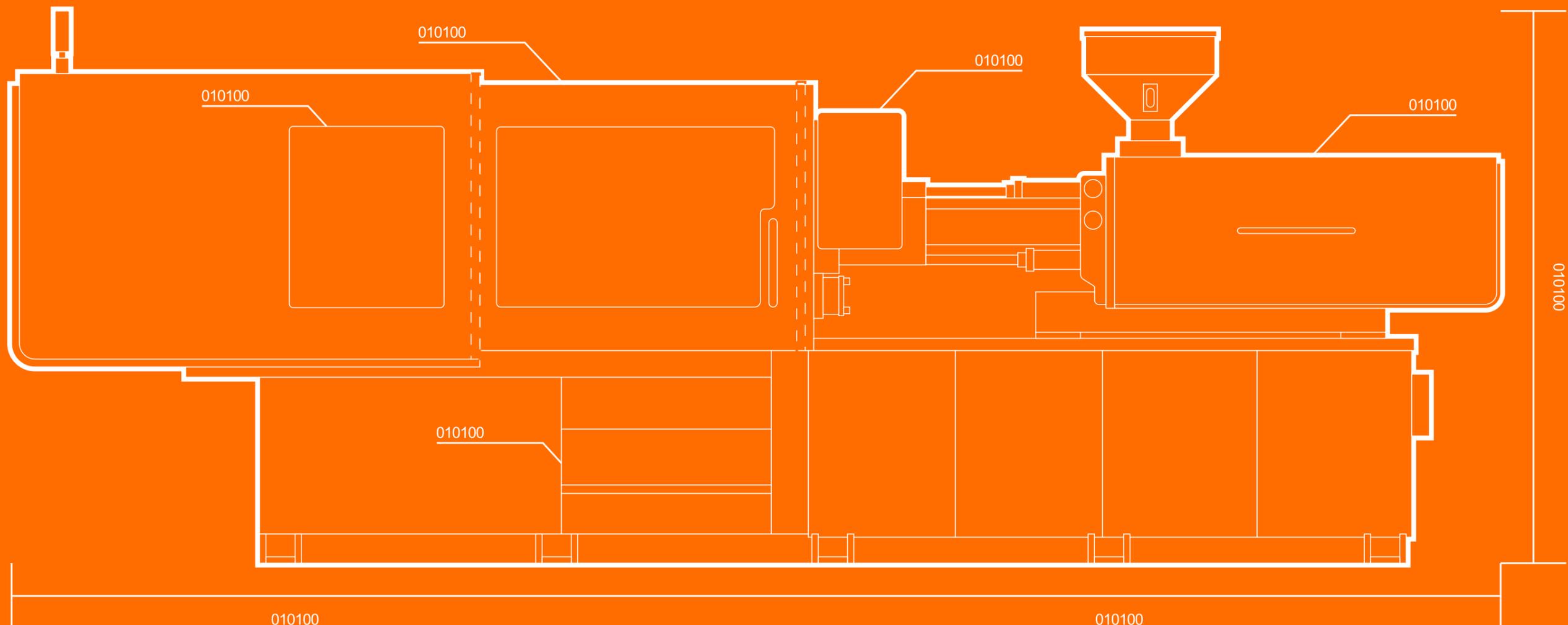


In pursuit of 100% complete satisfaction

Redefining professionalism, performance and value for the plastics industry

The 6 series, which was originally created by Chen MK is the new “professional” member of the world-renowned PRO6 MK Hsong and Japanese engineers through combining half a century of applications experience with top-of-the-line advanced technology and controls expertise. It seeks simply to be the best of its kind, in every aspect.

The MK6 PRO inherits its high reliability and non-compromising performance from the MK6 legacy, but also adds a brand-new, next-generation, high-end computing control platform, meticulously fine-tuned mechanics and hydraulics, and state-of-the-art control algorithms. It seeks to be even better, again, in every way.



Chen Hsong Core Competences



Experience (65 years since 1958)

Over half a century of applications experience and technical expertise.

Global reach (100+ countries worldwide)

The customer is king, almost literally.

For us, your needs are paramount. We exist to provide value.

Mitsubishi worldwide strategic partner (since 2011)

Adopted world-leading Japanese lean manufacturing practices and the M-System (Mitsubishi quality system) to give you 100% perfect products, 100% of the time.

Half a century of applications expertise, working for you

65 years of focusing on nothing but injection moulding technology – professionalism and technical capabilities you can trust.

In pursuit of 100% complete satisfaction

Your Need is our Command



Partnership of the titans

In 2011, Chen Hsong joined forces with Mitsubishi (Japan) to form a worldwide strategic partnership covering the full range of technical and manufacturing cooperation.

Shioda-sensei, ex-Chief Engineer of Mitsubishi, joined as technical consultant, up-lifting a complete overhaul of Chen Hsong's technical capabilities, including advanced hydraulics, mechanical design and motion control.



Shared research



Co-development



Craftsmanship

Redefining the professional injection moulding machine

- 01 Redefining ergonomics
- 02 Redefining precision controls
- 03 Redefining perfect quality
- 04 Redefining high performance

Redefining ergonomics

Beauty is both internal and external

-  Masterpiece of industrial design
Modern and pleasing
-  Professional ergonomics
User-friendly and easy to operate
-  Optimised structural design
High-strength construction with rock-solid stability
-  Glowing logo
Light up the future of the plastics processing



Lights up !

Redefining precision control

Next-gen intelligent computer controller

High-speed advanced CPU provides ample computing power for closed-loop calculations, leading to lightning-speed responses, ultra-high precision and exceptional repeatability.

- 01 12"/15" large-sized touch-screen LCD panel
- 02 Wicked-fast CPU for lightning responses
- 03 Ultimate user-friendly HMI
- 04 Intelligent controls and easy smart tuning
- 05 Over-drive performance
- 06 Comprehensive features set



The fastest compute platform

25%
higher HMI CPU
clock speed

60%
faster PLC CPU
clock speed and
I/O scan time



CPU clock speed	MK6 PRO	Competition
HMI	1.0MHz	0.8MHz
PLC	0.48MHz	0.3MHz

Advanced high-speed CPU enables lightning-fast closed-loop calculations for faster responses and higher precision.

Mainstream Linux-based O/S with modern .GUI

The best panel



MK6 PRO	Competition
Touch-screen:Fast and precise	Physical buttons
Snappy and smooth	Slow operation
Easy and simple	Low resolution (800x600)
One-touch access	

The largest features set

All the professional features you'd ever need for demanding applications.

- | | | | |
|--|---------------------------|-------------------------------------|-----------------------------------|
| 01 USB socket | 02 Ethernet socket | 03 Smart clamp motion control | 04 Closed-loop injection/ejection |
| 05 Stored mould recipes | 06 Production log | 07 Upgrade system via USB | 08 Settings change audit log |
| 09 Standardised data interchange format | 10 Rapid-setting page | 11 Comprehensive quality monitoring | |
| 12 Built-in digital oscilloscope to monitor any data point value | 13 SPC data logs | 14 One-touch access to pages | |
| 15 Remap I/O | 16 Screenshot at any time | 17 Interface with auxiliaries | 18 Freely programmable movements |
| 19 MES interface | 20 User control | | |

The highest over-drive

Increase injection speed by up to 20% for more flexible application scenarios.

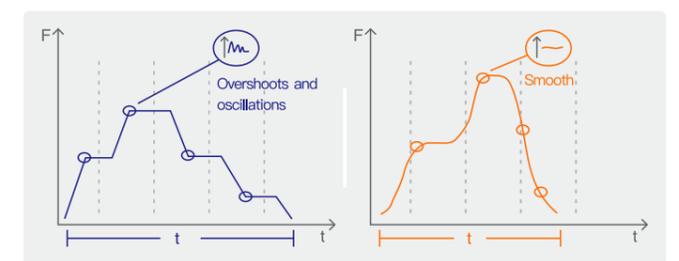


The most intelligent

With Chen Hsong's proprietary advanced Japanese motion-control algorithms, running on a top-speed CPU, the highly-intelligent automatic clamping force adjustment mechanism achieves precision within $\pm 5\%$ of your set-point value without any human interaction.

There is no longer any need to rely on expensive high-precision transducers, experienced technicians or "black arts" for fine-tuned clamping adjustments. In the end, much fewer errors are made.

Shorter cycle time
and smoother clamp
motion.



The most connected

Easy and effective Industry 4.0 smart manufacturing, now at your fingertips, with Chen Hsong's MegaCloud online data platform.

True IOT connectivity, remote control and diagnostics, and fully networked productivity.

* iPad visualization interface



Redefining perfect quality

Advanced toggle design

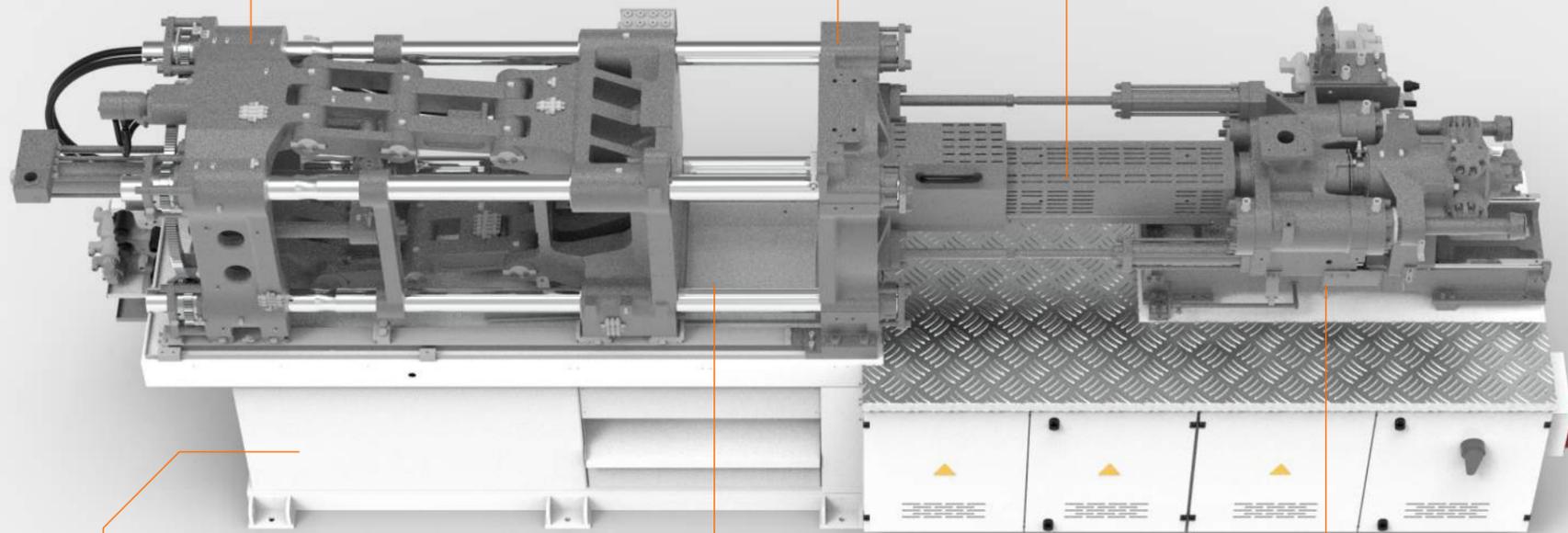
Proprietary Japanese mechanical design with highly-optimised motion profile; core components toggle produced on high-end machining centres to 0.01mm precision.

Patented Circular Platen design

Proprietary Circular Platen design (patented) is a technological marvel perfected from years of detailed structural analysis, ensuring smooth stress distribution throughout the platen for maximum part quality and mould protection.

Professional screw designs

Leveraging over 60 years of application expertise and field experience, professional screw designs are available for an amazingly wide range of applications demands and resins. There is always an optimised screw ready for your particular, unique processing needs.



High-strength machine base

Improved structural stability, reduced deformation and enhanced torsion resistance from thicker and stronger I-beams that make up the machine base, plus an optimised design created through high-end computer stress simulations of various loading conditions.

Wide applicability

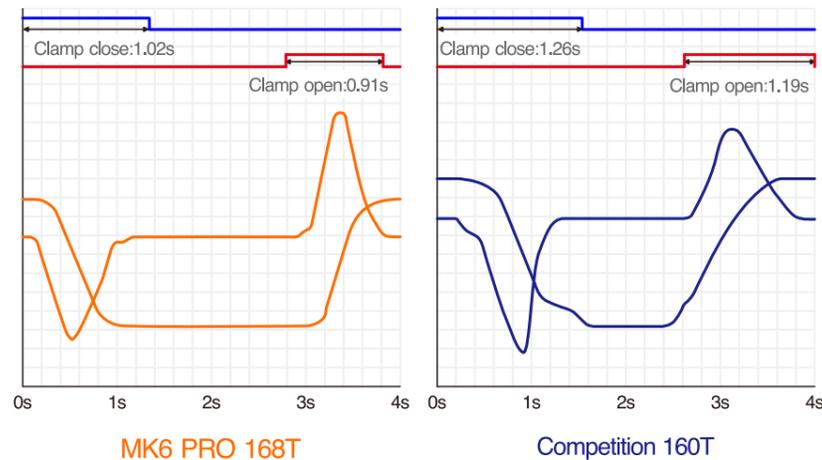
Highly precise control over speed, pressure and temperature leads to easy processing of a wide range of resins, from PP, ABS to PC, PET, PMMA, PA and more exotic engineering plastics, where the MK6 PRO shows its professional colours.

High precision linear guide rails

Silky-smooth – low friction
 Reliable – longer usage life
 Stable – higher positional accuracy for higher yields
 Fast – low friction enables higher speeds and better control
 Precision – better control and accuracy leads to higher precision

Redefining high performance

Fastest cycle time for 100% satisfaction



Model	MK6 PRO 168T	Competition 160T
Clamp close (s)	1.02	1.26
Clamp open (s)	0.91	1.19
Cycle time (s)	1.93	2.45
Opening stroke (mm)	300	300

21%
faster dry cycle
than competition

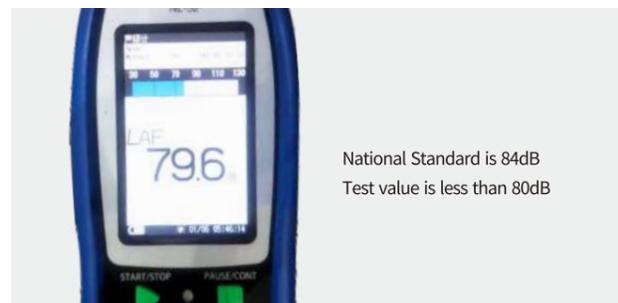
Shorter cycle time brings immediate financial return.

Achieving 100% satisfaction with electric plasticising (optional)

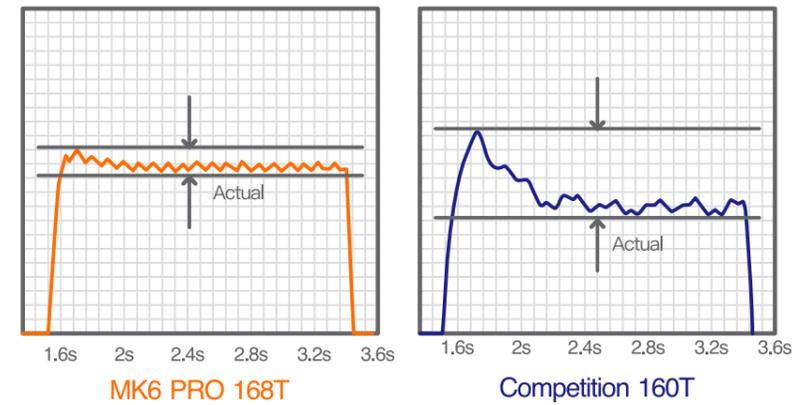
Servo electric plasticising is more energy-efficient, with total efficiency of 90% compared to the traditional hydraulic motor.

Servo electric plasticizing meets the higher production demands of the automotive industry by utilizing synchronous movements.

Equipped with servo electric plasticising for quieter operation



Closed-loop pressure control for 100% satisfaction

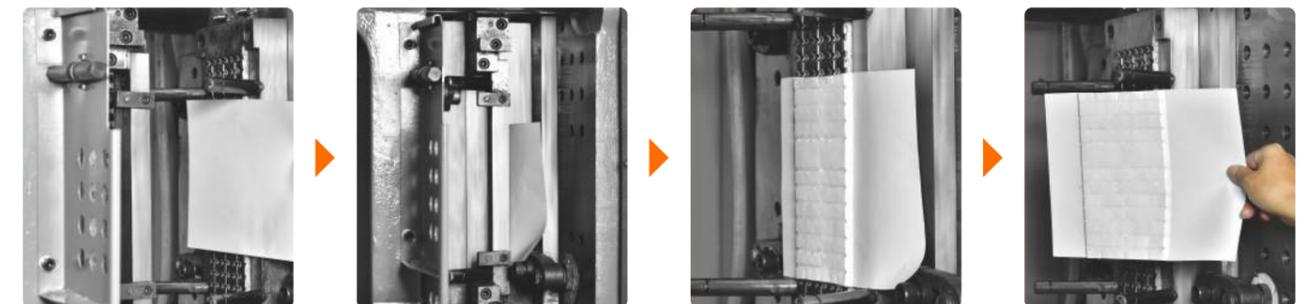


Precision pressure control is critical for good part quality and high yields, especially for demanding applications with strict dimensional stability and surface finish requirements (such as optical parts). Smooth pressure transitions also reduce mechanical shocks and prolong machine usage life.

Closed-loop precision pressure control within **±0.5%**

A new industry benchmark for low-pressure mould protection

High precision linear potentiometers are used for the clamping, injection and ejector axes which, when combined with high-optimised algorithms, enables superior low-pressure mould protection-effective even with obstacles thinner than 0.1mm (or the thickness of a sheet of paper)



Before clamp close, put in a sheet of standard A4 paper

Almost closing, detecting paper

Low-pressure mould protection causes clamp to open

A4 paper is not even punctured through!

Mega Cloud online data platform for 100% satisfaction

Online monitoring and control at your fingertips. Effectively prevents errors and reduces idle time. Improves utility and delivery accuracy.



Mega Cloud platform
IOT + APS + MES

- Remote monitoring
- Process control
- Production monitoring
- Mould management
- Maintenance
- Analytics
- Automatic scheduling
- Part management
- Quality control

* iPad visualization interface

The Mega Cloud is an optional independent service offering. Contact Chen Hsong personnel for more details.

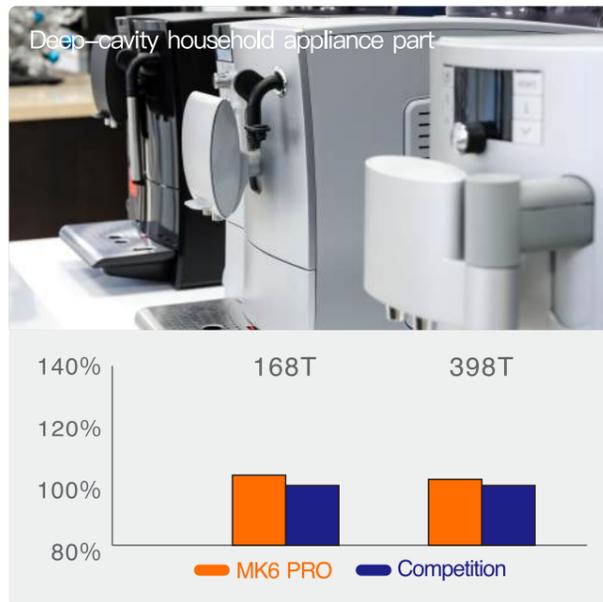
Injection speed for 100% satisfaction



5.5% higher injection speed

Higher injection speed enables more stable production of thin-walled parts with higher yields

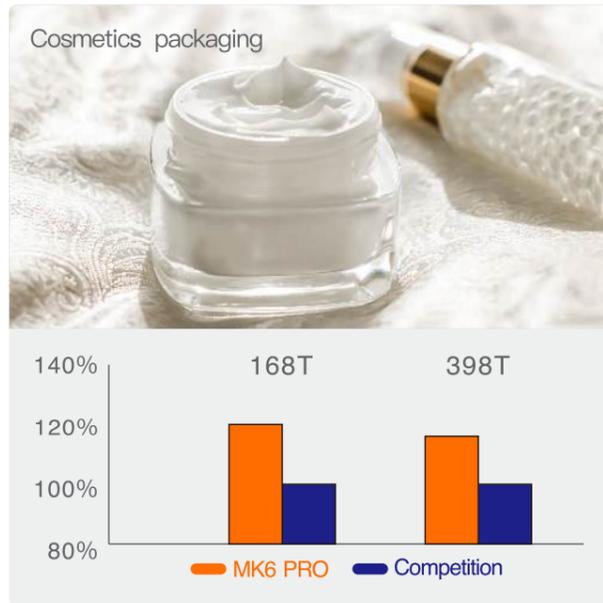
Opening stroke for 100% satisfaction



4% longer opening stroke

Longer opening stroke to produce deeper-cavity parts

Shot weight for 100% satisfaction



18% larger shot weight

Produce a wider range of parts on the same machine, especially thick-walled ones

Power pack for 100% satisfaction



26% larger power pack

Large power pack allows for much longer holding time, ideal for thick-walled parts made with tough engineering resins

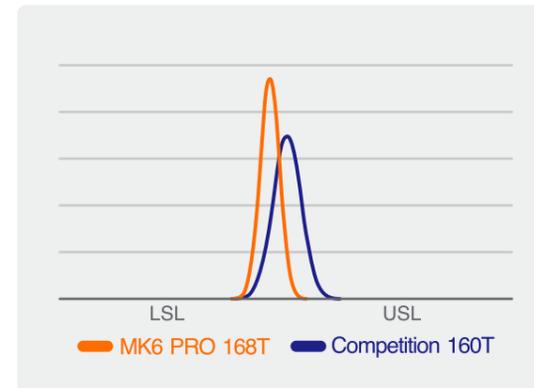
Closed-loop high-precision injection for 100% satisfaction

Part Specifications

Large thin flat testing plate
 Shot-weight: 122g
 Cavities: 1
 Resin: PE
 Cycle time: 16.5s



Part weight distribution



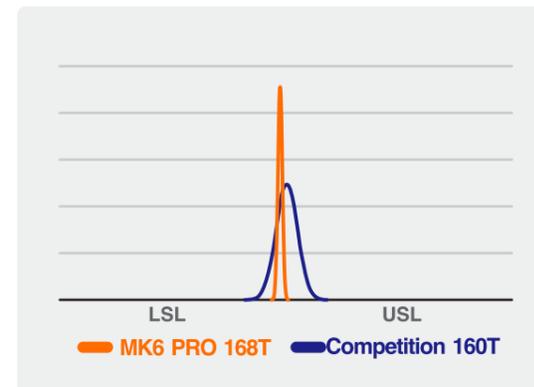
Part weight CPK comparison



31%
better CPK

CPK (Process Capability Index) – Higher is better, indicating higher stability and quality. Closed-loop injection can achieve high precision of $\pm 0.15\%$

Clamp open position distribution



Clamp open position CMK comparison



45%
more accurate clamp-open precision

Highly accurate clamp-open position simplifies robot take-out, allowing it to run faster for even shorter cycle time.

In pursuit of 100% complete satisfaction

Rock-solid stability for 100% satisfaction



Only the best machining equipment (e.g. Japanese FMS's and CNC's) are good enough to produce core components for the MK6 PRO, which all but guarantees reliability and stability for long years of operation.

Superior yields for 100% satisfaction



Through precision control of injection speed and pressure, the MK6 PRO is ideal for producing parts with demanding tolerances.

Higher productivity for 100% satisfaction



Productivity is the ultimate goal of the MK6 PRO, which leverages field experiences gained from wild popularity (98%+ repeat order rate) and seeks to exceed them in all aspects.

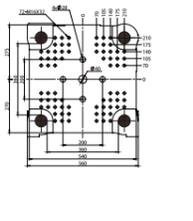
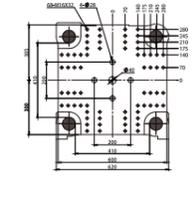
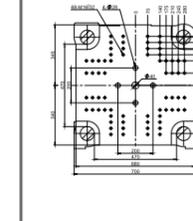
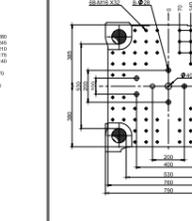
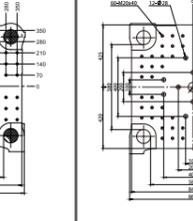
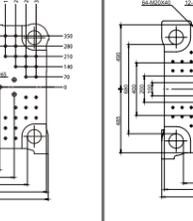
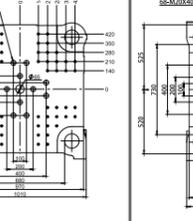
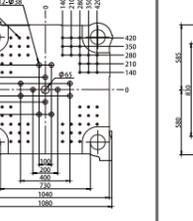
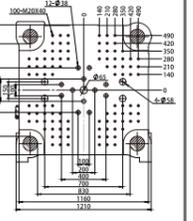
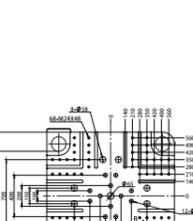
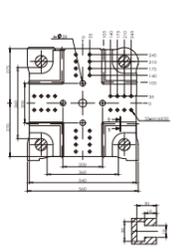
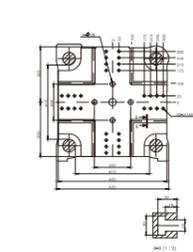
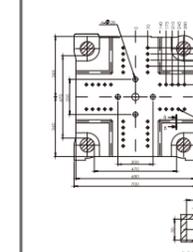
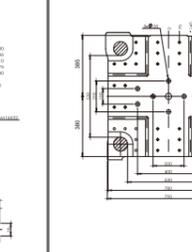
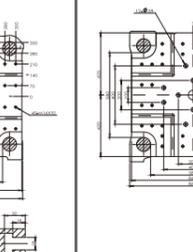
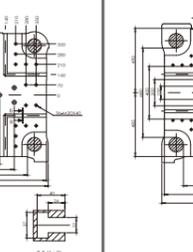
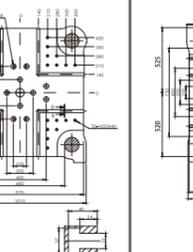
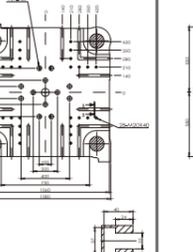
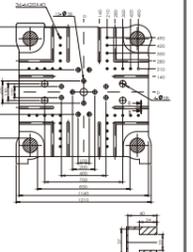
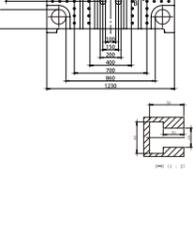
Standard Features

Clamping Unit		
1 Automatic toggle lubrication	2 Automatic mould thickness and clamping force adjustment	3 High-tensile chrome-plated tie-bars
4 Safety door with electrical and hydraulic safety interlock protection		5 Hydraulic core pulls
6 EUROMAP ejector	7 Differential boost for high-speed clamping	
Injection Unit		
1 Nitrided screw and Barrel	2 Automatic PID temperature control (including nozzle)	3 Digital back pressure control
4 Nozzle guard	5 Cold start prevention	6 Screw RPM display
		7 Broken thermocouple detection alarm
8 Ceramic heater	9 Barrel safety cover	10 Blocked nozzle and overflow detection
Hydraulics		
1 Low-noise internal gear pump	2 High efficiency oil cooler	3 Detachable oil tank
4 Suction and return line filter	5 Hydraulic safety interlock	6 Oil temperature control
Controller		
1 12" touch-screen panel (88-468T) / 15" touch-screen panel (568-668T)		

Optional Features

Clamping Unit		
1 Additional core pulls	2 EUROMAP 12 or EUROMAP 67 robot interface with connectors	3 T-slots
4 SPI mould platen	5 Multi-function air blow device	6 Mould hanger
		7 Ejection-on-fly/ core-pull-on-fly
8 Large ejector stroke	9 Larger max. mould thickness	10 Insulation board for mould
Injection Unit		
1 Barrel thermal insulation cover	2 Reduced/ enlarged injection unit	3 Cooling ring with temperature control
4 Bimetallic barrel	5 Stainless-steel hopper	6 Extended nozzle
		7 Shut-off nozzle
8 Chrome plated nozzle	9 Bimetallic screw	10 Cooling Fans on barrel
		11 eDrive (electric plasticising)
12 Infrared barrel heating system	13 Mixing screw head	14 Rigid PVC specialised injection units
		15 Movable hopper
Controller		
1 B&R controller	2 Beckhoff controller	3 Hot runner temperature control
		4 Feed-throat temperature control
5 Valve gates	6 Mega Cloud IOT router	
Hydraulics		
1 Oil level alarm	2 Unscrewing device	3 3R by-pass filter
		4 External return line filter
5 External suction filter	6 Larger screw motor	7 Larger oil cooler
		8 Enlarge power pack
9 Hydraulic oil preheat	10 High stability hydraulic control	11 Injection closed-loop control
		12 Proportional valve for clamping

MK6 PRO Specifications

Injection Unit	UNITS	JM88-MK6 PRO	JM128-MK6 PRO	JM168-MK6 PRO	JM208-MK6 PRO	JM258-MK6 PRO	JM328-MK6 PRO	JM398-MK6 PRO	JM468-MK6 PRO	JM568-MK6 PRO	JM668-MK6 PRO
Screw Diameter	mm	31 36 41	36 41 46	41 46 52	46 52 60	46 52 60	60 67 75	67 75 83	75 83 90	75 83 90	83 90 98
Screw L/D	L/D	24.4 21.0 18.4	23.9 21.0 18.7	23.6 21.0 18.6	23.7 21.0 18.2	23.7 21.0 18.2	23.5 21.0 18.8	23.5 21.0 19.0	23.2 21.0 19.4	23.2 21.0 19.4	23.9 22.0 20.2
Screw Stroke	mm	180 180 180	205 205 205	230 230 230	260 260 260	260 260 260	335 335 335	375 375 375	415 415 415	415 415 415	425 425 425
Calculated Injection Capacity	cm ³	136 183 238	209 271 341	304 382 488	432 552 735	432 552 735	947 1181 1480	1322 1657 2029	1833 2245 2640	1833 2245 2640	2300 2704 3206
Practical Injection Shot Weight (PS)	g	124 167 216	190 246 310	276 348 444	393 502 669	393 502 669	862 1075 1347	1203 1508 1846	1668 2043 2403	1668 2043 2403	2093 2460 2917
	oz	4.4 5.9 7.6	6.7 8.7 10.9	9.7 12.3 15.7	13.9 17.7 23.6	13.9 17.7 23.6	30.4 37.9 47.5	42.4 53.2 65.1	58.9 72.1 84.7	58.9 72.1 84.7	73.7 86.6 102.7
Injection Pressure (Max.)	kgf/cm ²	2549 1890 1457	2451 1890 1501	2368 1881 1472	2419 1893 1422	2419 1893 1422	2355 1889 1507	2333 1862 1520	2253 1840 1564	2253 1840 1564	2163 1840 1552
Injection Rate	cm ³ /s	80 108 140	104 135 170	138 174 222	169 216 287	169 216 287	302 376 472	351 440 539	442 541 636	442 541 636	540 635 753
Screw Speed	rpm	245	245	224	200	200	200	190	180	180	170
Nozzle Contact Force	t	4.2	4.2	6.2	6.2	6.2	9.1	11.1	11.1	12.0	12.0
Nozzle Stroke	mm	275	290	330	380	380	440	470	540	420	450
Clamping Unit											
Clamping Force (Max.)	t	88	128	168	208	258	328	398	468	568	668
Opening Stroke	mm	340	380	450	510	560	660	720	820	870	920
Space Between Tie Bar (HxV)	mm	360x360	410x410	470x470	530x530	580x580	680x680	730x730	830x830	860x860	920x920
Mould Thickness (Min.)	mm	125	150	170	180	190	225	250	300	350	380
Mould Thickness (Max.)	mm	380	450	520	550	580	680	730	850	880	920
Max. Daylight Between Platens	mm	720	830	970	1060	1140	1340	1450	1670	1750	1840
Ejector Force (Max.)	t	3.4	4.2	4.2	6.7	8.5	11.1	11.1	16.6	16.6	18.2
Ejector Stroke	mm	120	120	140	150	150	180	215	220	250	265
Centre Bore	mm	100	100	125	125	125	125	160	160	160	200
Power Pack											
System Pressure	kgf	175	175	175	175	175	175	175	175	175	175
Pump Power	kW	14	17	21	30	30	48	60	72	72	96
Barrel Heating	kW	8	10.3	12.9	16.6	16.6	26	31.1	35.5	35.5	35.5
Temperature Control Zones		3+1	3+1	3+1	3+1	3+1	4+1	5+1	5+1	5+1	5+1
Others											
Machine Dimensions (L*W*H)	m	4.48x1.17x1.88	4.95x1.25x1.94	5.48x1.28x2.02	6.10x1.48x2.15	6.30x1.56x2.24	7.45x1.73x2.21	8.02x1.94x2.19	8.78x2.04x2.26	9.29x1.94x2.33	9.86x2.02x2.24
Oil Tank Capacity	L	170	220	265	350	350	620	810	920	920	950
Machine Weight	t	3.3	4.0	4.9	6.8	7.8	13.2	16.7	19.8	21.0	23.0
Mounting Holes											
T slots with mounting holes(Optional)											

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.