



MOLDING MACHINE SERIES

2025



TITANIUM SERIES TSV

TITANIUM SERIES TSV



PERFORMANCE

1. With special high-efficiency screw, the injection amount is increased, with the injection rate and plasticization time higher than that of ordinary machines.
2. The operating efficiency of the whole machine is greatly improved when compared with ordinary machines (optional) by using synchronous control of storage while opening the mold.
3. The mature and reliable clamping mechanism is durable, and the pin shaft and sliding part are designed for self-lubricating to ensure good lubrication for long-term operation.
4. The motor oil pump is designed to be enlarged, the power source is fully configured, the overload capacity is strong, and the motor heat is reduced to improve the service life.
5. It is suitable for recycling and processing of recycled plastics. With low cost and short molding cycle, it greatly reduces the material cost of the plastic basket, so it especially suitable for the operation and production of small and medium-sized entrepreneurs.

INJECTION PART

1. High-efficiency screw, enlarged barrel screw diameter, length-diameter ratio of 21 :1, special motor drive, fast plasticizing speed and short molding cycle.
2. Screw barrel made of double alloy material for wear-resistant and corrosion-resistant properties to improve the service life by 3-5 times longer than that of ordinary screw barrel.

MOLD CLAMPING PART

1. Synchronous operation of storage while opening the mold, shortened the product cycle, significantly improved production efficiency.
2. Increase of specification of the standard cooling water distributor to 12-12 groups, which is more suitable for the cooling of large molds.

CONTROL SYSTEM

1. Fast precision injection technology, injection speed and precision are guaranteed.
2. With automatic positioning function of mold opening, the mold is opened accurately.
3. Intelligent injection system can realize debugging free and rapid product formation.
4. Program update, user configuration data update and porting can be easily realized through the panel USB, and all models of the user can be directly integrated into the panel to realize the automatic configuration of parameters of different models.

SAFE & RELIABLE

1. The barrel heating shield, hopper slide by roller structure, ejection shield, centralized lubrication controller and other optimized designs can reduce la or intensity and improve operation and maintenance convenience while protecting operation safety.
2. With mechanical, electrical and hydra lie safety protection, the mold protection with high sensitivity can sense very small obstacles and thus effectively protect the mold.

PRODUCT APPLICATION

This series of models, suitable for processing disposable black fruit baskets (used for placing apples, grapes, strawberries and other seasonal fruits), can also be used to process various vegetable baskets (bean sprouts basket, oyster mushrooms basket, etc.), various turnover boxes, beer baskets and various plastic flower pots and other plastic products.

MODELS

Model	TSV 308	TSV 358	TSV 408	
INJECTION DEVICE	1420	1615	2650	
Screw model	Fruit basket	Fruit basket	Fruit basket	
Screw model	[mm]	75	80	90
Screw diameter	[L/D]	19.5	21.0	21.0
Screw ratio	[cm³]	1435	1608	2524
Injection capacity	[g]	1306	1463	2297
Shot weight	[g/s]	478	521	637
Injection rate	[cm³/s]	525	573	700
Injection rate	[MPa]	127	116	117
Injection pressure	[mm]	325	320	397
Injection stroke	[rpm/min]	185	175	185
Screw speed	[mm]	SR18	SR18	SR18
Sphere diameter of nozzle				
Clamping force	[kN]	3080	3580	4080
Max. opening stroke	[mm]	600	660	730
Space between tie bar(W×H)	[mm]	680x630	730x680	780x730
Min. mould size	[mm]	475x440	510x475	545x510
Min. mould height	[mm]	230	250	250
Max. mould height	[mm]	650	700	780
Dia of mould location hole	[mm]	Ø160H7	Ø160H7	Ø160H7
Ejector stroke	[mm]	170	180	200
Ejector force forward	[kN]	70	70	110
Number of ejector bar	[PC]	13	13	13
Number of ejector bar				
Rated pressure of oil pump	[MPa]	16	16	16
Pump motor power	[KW]	50.7	50.7	60.5
Heating capacity of screw cylinder	[KW]	26.5	33	41
Heating section		4+1	5+1	5+1
Oil tank capacity	[L]	600	640	720
Dimensions of machine (LxWxH)	[m]	6.20x2.03x2.16	6.64x2.09x2.30	7.48x2.17x2.38
Machine weight	[t]	11.0	12.7	15.2

MODELS

Model	TSV 488	TSV 568	TSV 658	
INJECTION DEVICE	3350	4100	5300	
Screw model	Fruit basket	Fruit basket	Fruit basket	
Screw model	[mm]	95	100	110
Screw diameter	[L/D]	21.0	21.0	20.0
Screw ratio	[cm³]	3117	3807	4749
Injection capacity	[g]	2837	3465	4322
Shot weight	[g/s]	839	847	1103
Injection rate	[cm³/s]	922	931	1212
Injection rate	[MPa]	119	118	120
Injection pressure	[mm]	440	485	500
Injection stroke	[rpm/min]	160	150	120
Screw speed	[mm]	SR18	SR18	SR18
Sphere diameter of nozzle				
Clamping force	[kN]	4880	5680	6580
Max. opening stroke	[mm]	800	850	930
Space between tie bar(W×H)	[mm]	830x780	880x830	690x880
Min. mould size	[mm]	580x545	615x580	670x615
Min. mould height	[mm]	320	350	350
Max. mould height	[mm]	800	850	900
Dia of mould location hole	[mm]	Ø200H7	Ø200H7	Ø200H7
Ejector stroke	[mm]	220	240	250
Ejector force forward	[kN]	110	158	158
Number of ejector bar	[PC]	13	17	21
Number of ejector bar				
Rated pressure of oil pump	[MPa]	16	16	17.5
Pump motor power	[KW]	40.9+40.9	40.9+40.9	50.7+50.7
Heating capacity of screw cylinder	[KW]	45	49	52
Heating section		5+1	5+1	5+1
Oil tank capacity	[L]	850	950	1000
Dimensions of machine (LxWxH)	[m]	8.11x2.18x2.58	8.81x2.26x2.77	9.80x2.38x2.35
Machine weight	[t]	18.9	21.7	27.5



TITANIUM SERIES TSV•PET

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PET bottle embryo special machine series



The PET specialized screw design is designed for the low shear high mixing characteristics of PET resin materials. A length to diameter ratio of 25:1 is selected, and a special material treatment is used to divide the single melt groove into high and low pressure zones, forming a wavy structure to replace the solid-liquid phase groove, allowing the melt to flow independently in this area without hindering the travel time, thus obtaining a good energy efficiency ratio. Effectively improve plasticization efficiency and shorten molding cycle.(The specific screw model shall be provided by the screw unit).

The hydraulic power part adopts a servo motor to drive a large displacement oil pump, combined with a high-speed hydraulic motor (PET specialized motor) to effectively increase the rated torque, ensure smooth and reliable screw operation, and achieve high-speed production. (Optional electric glue melting solution, synchronous mold opening and plasticizing function, further improving production efficiency).

The heating is controlled by Solid-state relay. Compared with ordinary AC contactor, Solid-state relay has the advantages of Good sensitivity, small control power, good Electromagnetic compatibility, fast conversion speed, etc., and is highly praised by industry professionals.

The main components such as templates have undergone multiple optimization designs, and based on the analysis of finite element software Strengthen the design of the template to ensure its longevity Life also protects the mold.



Equipped with a high-performance Hongxun computer as standard, equipped with a PET specialized needle valve control program, it can easily achieve process adjustment, meet the control requirements of PET specialized machines, support expansion of I/O groups, and support CAN/ETHER CAT communication.



In response to the difficult problems of PET bottle embryo molds, such as a large number of mold cavities, high ejection stress, and long plastic products, our machine is equipped with oversized ejection cylinders to effectively improve ejection force and ejection stroke, meeting various bottle embryo production requirements.



The double cylinder balanced injection mechanism adopts a line rail scheme at the foot of the injection seat, which runs smoothly, efficiently, and energy-efficient. It strengthens the rigidity and strength of the guide pillar support structure, and is matched with a high-precision electronic ruler to control the injection stroke, adapting to the requirements of high-precision product molding.

Model	TSV 158 II-PET		TSV 178 II-PET					
International specification	620H		620H		850H			
Injection unit	A	B	A	B	A	B		
Screw diameter [mm]	53	58	53	58	60	65		
Screw L/D ratio [L/D]	25.0	25.0	25.0	25.0	25.	25.0		
Cylinder head volume [cm³]	485	581	485	581	763	895		
Shot weight [g]	524	627	524	627	824	967		
Injection rate [oz]	234	280	234	280	390	457		
Injection pressure [g/s]	135	112	135	112	129	110		
Injection stroke [MPa]	220		220		270			
Shot speed [mm]	98.3		98.3		127.7			
Screw speed [r/min]	140		140		160			
Sphere diameter of nozzle [mm]	SR15		SR15		SR15			
Clamping unit								
Clamping force [kN]	1580		1780					
Max.mould opening stroke [mm]	410		435					
Space between tie bars [mm]	440x440		470x470					
Min.Mould size [mm]	310x310		325x325					
Min.Mould height [mm]	150		180					
Max.Mould height [mm]	470		520					
Dia of mould location hole [mm]	Ø125H7		Ø125H7					
Eject stroke [mm]	130		140					
Eject force [kN]	49		53					
Eject number [PC]	5		5					
Others								
Rated pressure of oil pump [MPa]	17.5		17.5		17.5			
Oil pump motor power [KW]	17.6		20.5		26.7			
Heater power [KW]	14.6		14.3		22.7			
Heating section	5+1		5+1		5+1			
Oil tank capacity [L]	232		250		250			
Machine dimension [m]	5.62x1.26x2.15		5.8x1.31x2.15		6.05x1.31x2.17			
Machine weight [t]	4.8		5.3		5.6			

Model	TSV 208 II-PET				TSV 268 II-PET					
International specification	850H		1300H		1300H		1450H			
Injection unit	A	B	A	B	A	B	A	B		
Screw diameter [mm]	60	65	67	70	67	70	76	80		
Screw L/D ratio [L/D]	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0		
Cylinder head volume [cm³]	763	895	1057	1154	1057	1154	1451	1608		
Shot weight [g]	824	967	1142	1246	1142	1246	1567	1736		
Injection rate [oz]	390	457	420	459	420	459	520	577		
Injection pressure [g/s]	129	110	120	110	120	110	121	109		
Injection stroke [MPa]	270		300		300		320			
Shot speed [mm]	127.7		110.5		110.5		106.3			
Screw speed [r/min]	160		130		130		125			
Sphere diameter of nozzle [mm]	SR15		SR15		SR15		SR15			
Clamping unit										
Clamping force [kN]	2080		2680							
Max.mould opening stroke [mm]	485		550							
Space between tie bars [mm]	520x520		580x580							
Min.Mould size [mm]	360x360		420x420							
Min.Mould height [mm]	200		220							
Max.Mould height [mm]	550		580							
Dia of mould location hole [mm]	Ø160H7		Ø160H7							
Eject stroke [mm]	145		155							
Eject force [kN]	99		99							
Eject number [PC]	9		9							
Others										
Rated pressure of oil pump [MPa]	17.5		17.5		17.5		17.5			
Oil pump motor power [KW]	31.1		31.1		31.1		40.9			
Heater power [KW]	22.7		24.2		24.3		32.5			
Heating section	5+1		5+1		5+1		5+1			
Oil tank capacity [L]	300		300		400		400			
Machine dimension [m]	6.29x1.39x2.17		6.55x1.39x2.26		6.16x1.47x2.26		7.19x1.47x2.26			
Machine weight [t]	6.5		6.7		7.7		7.9			

MODELS

Model	TSV 308 II-PET				TSV 358 II-PET									
International specification	1450H		1800H		1800H		2700H							
Injection unit	A	B	A	B	A	B	A	B						
Screw diameter [mm]	76	80	82	85	82	85	90	95						
Screw L/D ratio [L/D]	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0						
Cylinder head volume [cm³]	1451	1608	1837	1974	1837	1974	2524	2813						
Shot weight [g]	1567	1736	1984	2132	1984	2132	2726	3038						
Injection rate [oz]	520	577	650	698	650	698	808	900						
Injection pressure [g/s]	121	109	121	113	121	113	125	112						
Injection stroke [MPa]	320		348		348		397							
Shot speed [mm]	106.3		114.0		114.0		117.6							
Screw speed [r/min]	125		110		110		115							
Sphere diameter of nozzle [mm]	SR15		SR15		SR15		SR15							
Clamping unit														
Clamping force [kN]	3080				3580									
Max.mould opening stroke [mm]	600			660										
Space between tie bars [mm]	680×630				730×680									
Min.Mould size [mm]	475×440			510×475										
Min.Mould height [mm]	230				250									
Max.Mould height [mm]	650			700										
Dia of mould location hole [mm]	Ø125H7				Ø125H7									
Eject stroke [mm]	190			200										
Eject force [kN]	124				124									
Eject number [PC]	13			13										
Others														
Rated pressure of oil pump [MPa]	17.5		17.5		17.5		17.5							
Oil pump motor power [KW]	40.9		50.7		50.7		60.5							
Heater power [KW]	32.5		34.4		34.4		56							
Heating section	5+1		5+1		5+1		5+1							
Oil tank capacity [L]	600		600		640		640							
Machine dimension [m]	7.46×2.03×2.16		7.76×2.03×2.3		7.93×2.09×2.3		8.47×2.1×2.42							
Machine weight [t]	11.3		11.7		13		13.6							

MODELS

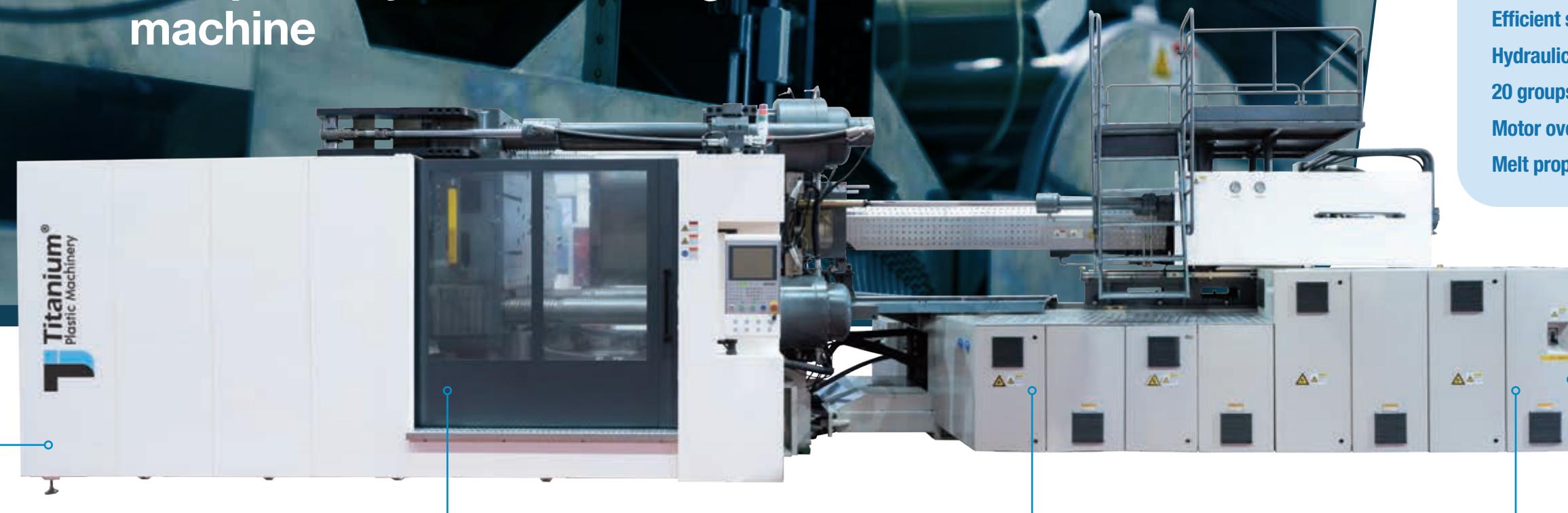
Model	TSV 408 II-PET		TSV 488 II-PET				
International specification	2700H		3600H		3600H		
Injection unit	A	B	A	B	A	B	
Screw diameter [mm]	90	95	95	100	95	100	
Screw L/D ratio [L/D]	25.0	25.0	25.0	25.0	25.	25.0	
Cylinder head volume [cm³]	2524	2813	3401	3768	3401	3768	
Shot weight [g]	2726	3038	3673	4069	3736	4069	
Injection rate [oz]	808	900	834	924	834	924	
Injection pressure [g/s]	125	112	132	119	132	119	
Injection stroke [MPa]	397		480				
Shot speed [mm]	117.6				109.0		
Screw speed [r/min]	115		110				
Sphere diameter of nozzle [mm]	SR15				SR15		
Clamping unit							
Clamping force [kN]	4080		4480				
Max.mould opening stroke [mm]	730		800				
Space between tie bars [mm]	780x730				830x780		
Min.Mould size [mm]	545x510		580x545				
Min.Mould height [mm]	250				320		
Max.Mould height [mm]	780		800				
Dia of mould location hole [mm]	Ø160H7				Ø160H7		
Eject stroke [mm]	210		250				
Eject force [kN]	182				182		
Eject number [PC]	13		13				
Others							
Rated pressure of oil pump [MPa]	17.5		17.5		17.5		
Oil pump motor power [KW]	60.5		31.1+31.1		31.1+31.1		
Heater power [KW]	56		60		60		
Heating section	5+1				6+1		
Oil tank capacity [L]	720		720		850		
Machine dimension [m]	8.82x2.15x2.42		8.95x2.15x2.55		9.26x2.18x2.58		
Machine weight [t]	15.6		16.6		19.5		



TITANIUM SERIES TSV TWO PLATE INJECTION MOLDING MACHINE

TITANIUM SERIES TSV

Two plate injection molding machine



Highly-rigid box-type template design, good flatness, large spacing between guide pillars, large mold capacity and large mold opening stroke.

Rapid mold transfer cylinder with diagonally balanced force distribution, faster mold opening and clamping and effectively shortened cycle time. Synchronized band-type brake mechanism with four short-stroke high-pressure cylinders to quickly establish clamping force.

Double-cylinder parallel injection structure, injection Linear guide rail design, more stable machine operation, higher injection precision and injection response. Full closed-loop control with high-response proportional directional valve for mold opening and clamping, fast response speed, stable operation and high precision.

Two-platen mold clamping mechanism, optimized template structure, synchronous band-type brake with four short-stroke high-pressure cylinders, quickly established clamping force, effectively shortening the mold opening and clamping cycle.

Real-time monitoring of magnetostrictive electronic ruler, high flatness control accuracy of template, high repeatability of mold opening and closing position.

Fast mold movement, slow high-pressure mold locking, short dry cycle and effective mold protection.

Synchronous band-type brake mechanism, fast and reliable band-brake type.

Multilingual support, LCD color panel, real-time animation display of machine operation, Euro 12 robot interface, Parameter data protection lock.

Automatic PID temperature control to realize self-correction of barrel temperature, shutdown memory function. 100 sets of mold data can be stored randomly.

100 sets of abnormal alarms and 100 sets of modification records storage, multi-level password protection, changed and set according to different authorization levels, to prevent incorrect modification of molding parameters

Standard front and rear door emergency stop buttons, spare aviation socket (5-pin three-phase 380V), USB interface for easy panel program update and mold parameter backup.

Oil temperature detection and automatic alarm of oil temperature deviation

High-precision closed-loop technology of opening and closing die

Independent cooling and filtering system

Efficient servo energy saving system

Hydraulic core extraction configuration, standard 4 groups

20 groups of mold cooling water discharge

Motor overload protection function

Melt proportional back pressure device

TSV series injection table is designed with integral linear guide rail. Together with double-cylinder dynamic balance injection and high-precision digital position sensor, it effectively improves the injection response speed and positional accuracy, and the product molding repeatability is high.

Integral linear guide, low friction loss, fast response and high precision.

Adjustable barrel support structure, convenient and reliable fine height adjustment.

Injection platform, optimized injection seat casting structure strength, small deformation and more stable injection.

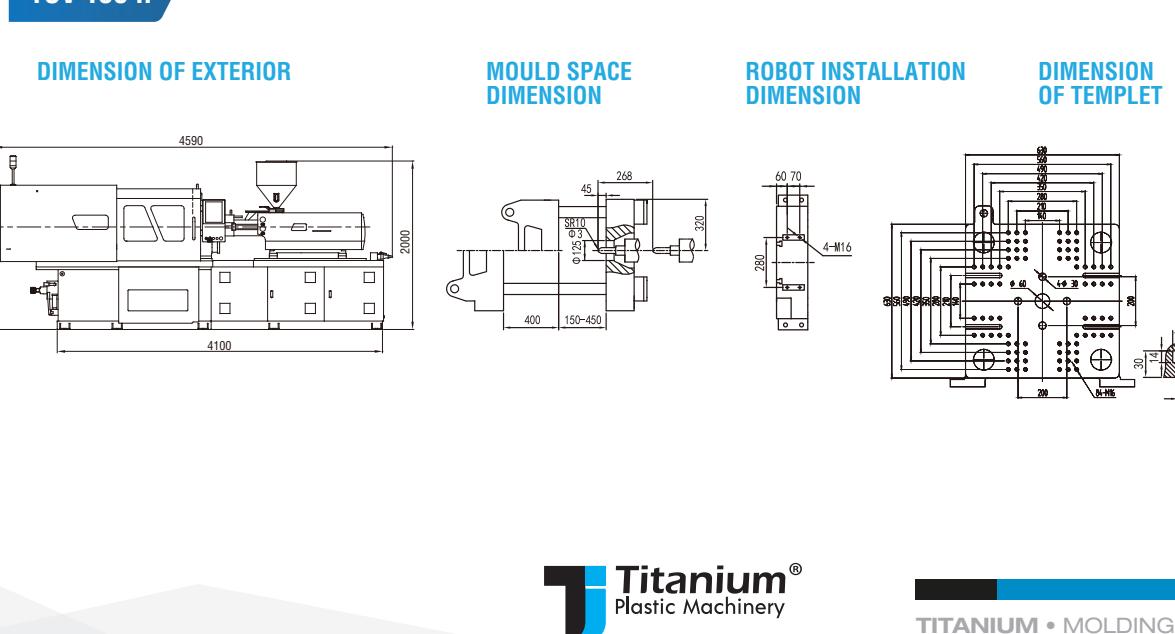
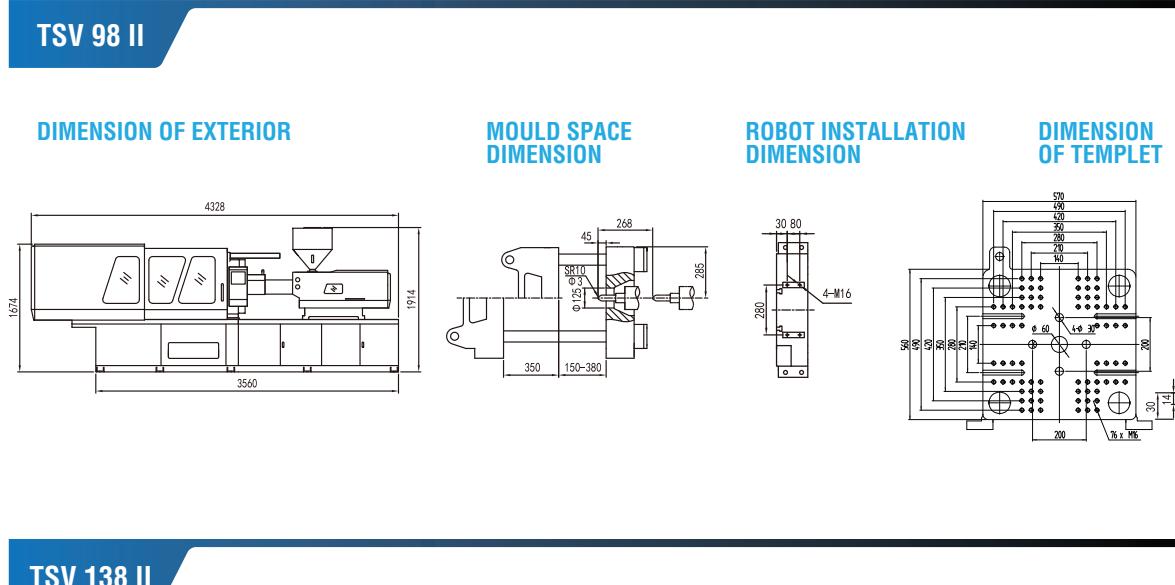
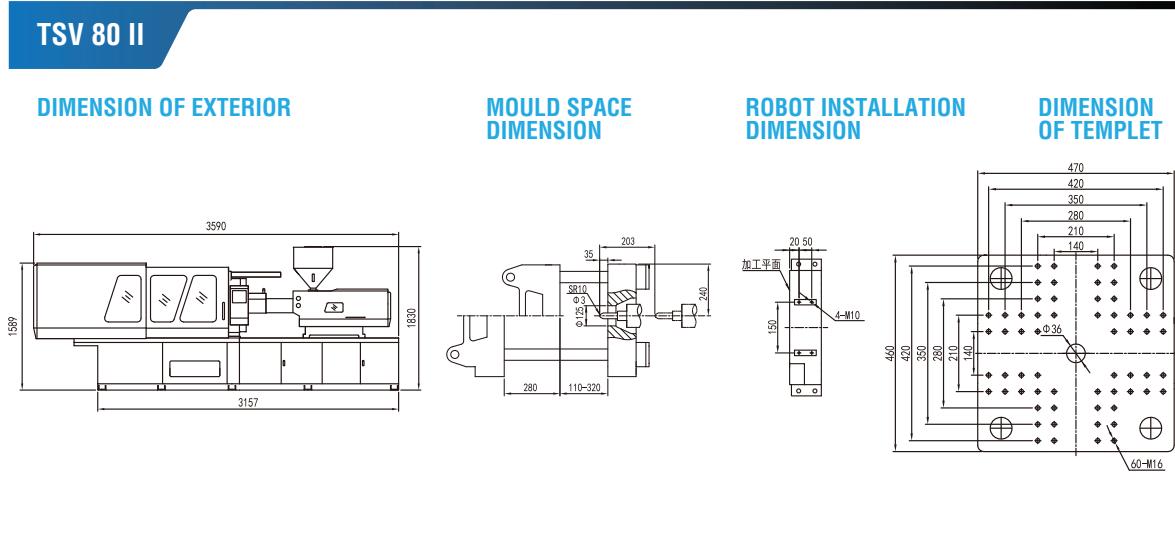
Model	TSV 1080				TSV 1450					
International specification	9700H				12000H					
Injection unit	A	B	A	B	A	B	A	B		
Screw diameter [mm]	100	110	120	130	110	120	130	140		
Screw L/D ratio [L/D]	24.2	22.0	20.2	25.0	24.0	22.0	20.3	18.9		
Cylinder head volume [cm³]	4595	5559	6616	1974	6044	7193	8441	9790		
Shot weight [g]	4181	5059	6021	7066	5500	6545	7682	8909		
Injection rate [oz]	716	867	1031	1210	938	1116	1310	1519		
Injection pressure [g/s]	211	175	147	125	198	116	142	122		
Injection stroke [MPa]	585.3			636.3						
Shot speed [mm]	100.3				108.5					
Screw speed [r/min]	115			100						
Sphere diameter of nozzle [mm]	SR20				SR20					
Clamping unit										
Clamping force [kN]	11039			15103						
Mold transfer stroke [mm]	2000/1350			2400/1550						
Maximum template spacing [mm]	2550				3100					
Internal spacing of pull rod [mm]	1280x1100			1480x1380						
Min.Mould height [mm]	5550				700					
Max.Mould height [mm]	1200			1550						
Dia of mould location hole [mm]	Ø200H7				Ø200H7					
Eject stroke [mm]	350			400						
Eject force [kN]	260				330					
Eject number [PC]	21			25						
Others										
Rated pressure of oil pump [MPa]	17.5			17.5						
Oil pump motor power [kW]	6.5+60.5+1.5			60.5+40.9+50.7+1.5						
Heater power [kW]	66.5			77.5						
Heating section	5+2				5+2					
Oil tank capacity [L]	1300			1700						
Machine dimension [m]	10.20x3.33x3.10				12.50x3.60x3.38					
Machine weight [t]	46			70						

Model	TSV 1700				TSV 1900					
International specification	16900H				12000H					
Injection unit	A	B	A	B	A	B	A	B		
Screw diameter [mm]	130	140	150	160	130	140	150	160		
Screw L/D ratio [L/D]	23.7	22.0	20.5	19.3	23.7	22.0	20.5	19.3		
Cylinder head volume [cm³]	9158	10621	12192	13872	9158	10621	12192	13872		
Shot weight [g]	8334	9665	11095	12624	8334	6545	11095	12624		
Injection rate [oz]	1148	1332	1529	1739	1148	1332	1529	1739		
Injection pressure [g/s]	185	159	139	122	185	159	139	122		
Injection stroke [MPa]	690.3				690.3					
Shot speed [mm]	95.1				95.1					
Screw speed [r/min]	95			95						
Sphere diameter of nozzle [mm]	SR20				SR20					
Clamping unit										
Clamping force [kN]	17584				19568					
Mold transfer stroke [mm]	2600/1700				2700/1750					
Maximum template spacing [mm]	3300				3450					
Internal spacing of pull rod [mm]	1680x1480				1780x1580					
Min.Mould height [mm]	700				750					
Max.Mould height [mm]	1600			1700						
Dia of mould location hole [mm]	Ø250H7				Ø250H7					
Eject stroke [mm]	400			450						
Eject force [kN]	330				450					
Eject number [PC]	25			25						
Others										
Rated pressure of oil pump [MPa]	17.5				17.5					
Oil pump motor power [kW]	50.7+50.7+60.5+1.5				50.7+50.7+60.5+1.5					
Heater power [kW]	98.4			98.4						
Heating section	6+2				6+2					
Oil tank capacity [L]	2500				2500					
Machine dimension [m]	13.00x3.90x4.90				13.50x4.10x5.10					
Machine weight [t]	88			98						

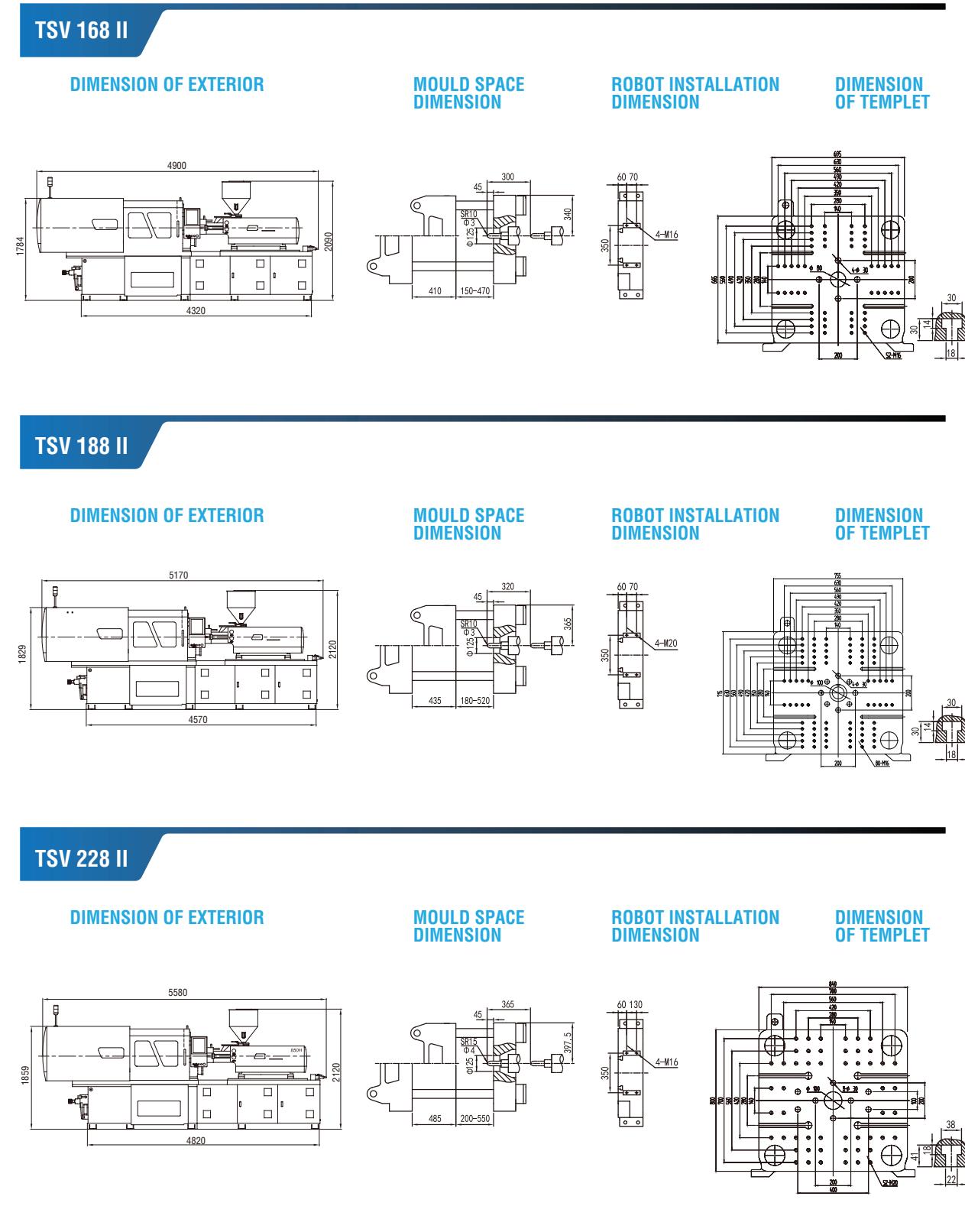


TITANIUM SERIES TSV INJECTION MOLDING MACHINE

Model	TSV 80 II			TSV 98 II			TSV 138 II		
International specification	200H			330H			380H		
Injection unit	A	B	C	A	B	C	A	B	C
Screw diameter [mm]	30	32	35	35	38	40	36	40	43
Screw ratio [L/D]	22.4	21.0	19.2	22.8	21.0	20.0	20.0	21.0	19.5
Theoretical injection capacity [cm³]	95	109	130	152	179	198	198	221	255
Shot weight (PS) [g]	87	99	118	138	163	181	181	201	232
Shot weight (PS) [oz]	3.1	75	4.2	4.9	5.7	6.4	6.4	7.1	8.2
Injection rate into Air [g/s]	66	192	90	93	110	122	122	114	132
Injection pressure [MPa]	219	135	161	228	193	174	174	186	161
Injection stroke [mm]	135			158			176		
Screw speed [r/min]	170			216			216		
Sphere diameter of nozzle [mm]	SR10			SR10			SR10		
Clamping unit									
Clamping force [kN]	800			980			1380		
Opening stroke [mm]	280			345			400		
Space between tie bar(WxH) [mm]	325X310			380X370			410X410		
Min. mould size [mm]	225X215			260X260			300X300		
Min. mould height [mm]	110			150			150		
Max. mould height [mm]	320			380			450		
Dia of mould location hole [mm]	Ø125H7			Ø125H7			Ø125H7		
Ejector stroke [mm]	80			100			100		
Ejector force forward [kN]	45			38			38		
Number of ejector bar [PC]	1			5			5		
Others									
Sys. Pressure [MPa]	17.5			17.5			17.5		
Pump Motor [KW]	9			14			14		
Heater power [KW]	5.4			9.15			9.15		
Number of temp. control zones	3+1			4+1			4+1		
Oil tank capacity [L]	165			170			200		
Machine dimensions(LxWxH) [m]	3.59X1.11X1.83			4.33X1.16X1.92			4.59X1.20X2.0		
Machine weight [t]	2.7			3.3			4.0		



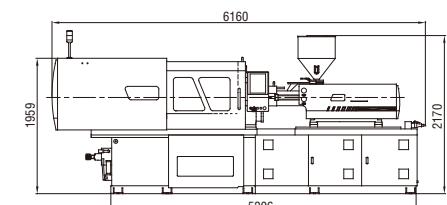
Model	TSV 168 II			TSV 188 II			TSV 228 II		
International specification	530H			620H			850H		
Injection unit	A	B	C	A	B	C	A	B	C
Screw diameter [mm]	42	45	50	42	45	50	45	50	55
Screw ratio [L/D]	23.1	21.6	19.4	23.1	21.6	19.4	23.3	21.0	19.1
Theoretical injection capacity [cm³]	263	302	373	291	334	412	382	471	570
Shot weight (PS) [g]	239	175	339	265	304	375	347	429	519
Shot weight (PS) [oz]	8.4	9.7	11.9	9.3	10.7	13.2	12.2	15.1	18.3
Injection rate into Air [g/s]	131	151	186	136	156	193	153	188	228
Injection pressure [MPa]	202	176	143	214	187	151	219	177	147
Injection stroke [mm]	190			210			240		
Screw speed [r/min]	185			180			162		
Sphere diameter of nozzle [mm]	SR10			SR10			SR15		
Clamping unit									
Clamping force [kN]	1680			1880			2280		
Opening stroke [mm]	410			435			485		
Space between tie bar(WxH) [mm]	470X440			510X470			560X520		
Min. mould size [mm]	330X300			355X325			390X360		
Min. mould height [mm]	150			180			200		
Max. mould height [mm]	470			520			550		
Dia of mould location hole [mm]	Ø125H7			Ø125H7			Ø125H7		
Ejector stroke [mm]	120			140			140		
Ejector force forward [kN]	38			53			70		
Number of ejector bar [PC]	5			5			9		
Others									
Sys. Pressure [MPa]	17.5			17.5			17.5		
Pump Motor [KW]	17.6			18.7			20.5		
Heater power [KW]	12.45			12.45			16.2		
Number of temp. control zones	4+1			4+1			4+1		
Oil tank capacity [L]	232			250			300		
Machine dimensions(LxWxH) [m]	4.90X1.23X2.09			5.17X1.30X2.12			5.58X1.37X2.12		
Machine weight [t]	4.7			5.4			6.6		



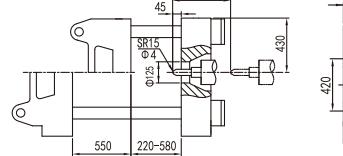
Model	TSV 288 II			TSV 308 II			TSV 358 II		
International specification	1300H			1450H			1800H		
Injection unit	A	B	C	A	B	C	A	B	C
Screw diameter [mm]	55	60	64	55	60	64	60	65	70
Screw ratio [L/D]	22.9	21.0	19.7	22.9	21	19.7	22.8	21	19.5
Theoretical injection capacity [cm³]	641	763	868	653	777	884	848	995	1154
Shot weight (PS) [g]	583	694	790	594	707	805	771	905	1050
Shot weight (PS) [oz]	20.5	24.5	27.8	20.9	24.9	28.3	27.2	31.9	37.0
Injection rate into Air [g/s]	189	225	256	249	297	338	262	308	357
Injection pressure [MPa]	194	163	144	213	179	157	202	173	149
Injection stroke [mm]	270			275			300		
Screw speed [r/min]	170			230			150		
Sphere diameter of nozzle [mm]	SR15			SR15			SR15		
Clamping unit									
Clamping force [kN]	2880			3080			3580		
Opening stroke [mm]	550			600			660		
Space between tie bar(WxH) [mm]	610X580			680X630			730X680		
Min. mould size [mm]	425X405			475X440			510X475		
Min. mould height [mm]	220			230			252		
Max. mould height [mm]	580			650			700		
Dia of mould location hole [mm]	Ø125H7			Ø125H7			Ø125H7		
Ejector stroke [mm]	150			170			180		
Ejector force forward [kN]	70			77			77		
Number of ejector bar [PC]	13			13			13		
Others									
Sys. Pressure [MPa]	17.5			17.5			17.5		
Pump Motor [KW]	31.1			40.9			40.9		
Heater power [KW]	19.8			19.8			18.8		
Number of temp. control zones	4+1			4+1			4+1		
Oil tank capacity [L]	400			600			640		
Machine dimensions(LxWxH) [m]	6.16X1.45X2.17			6.70X2.03X2.25			6.94X2.05X2.38		
Machine weight [t]	7.7			11			12.7		

TSV 288 II

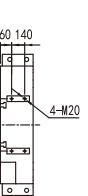
DIMENSION OF EXTERIOR



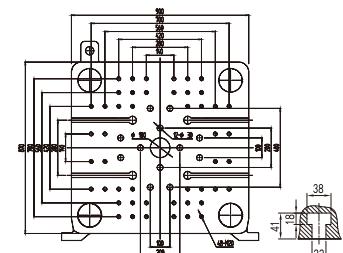
MOULD SPACE DIMENSION



ROBOT INSTALLATION DIMENSION

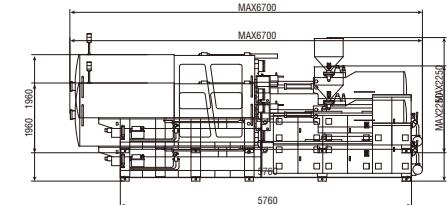


DIMENSION OF TEMPLET

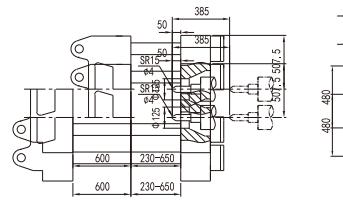


TSV 308 II

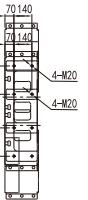
DIMENSION OF EXTERIOR



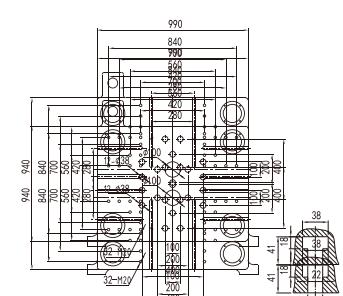
MOULD SPACE DIMENSION



ROBOT INSTALLATION DIMENSION

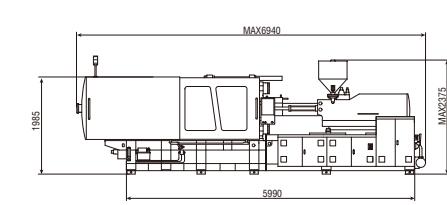


DIMENSION OF TEMPLET

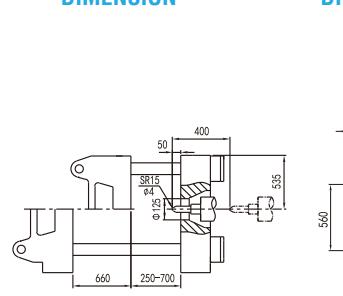


TSV 358 II

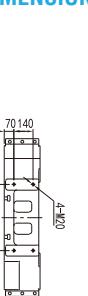
DIMENSION OF EXTERIOR



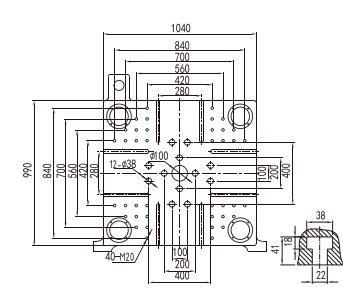
MOULD SPACE DIMENSION



ROBOT INSTALLATION DIMENSION



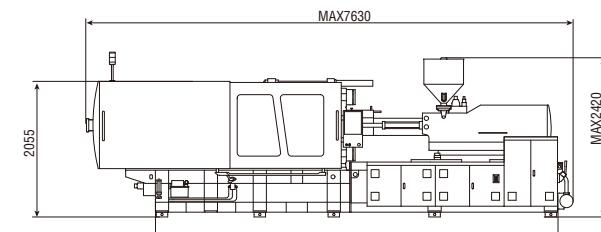
DIMENSION OF TEMPLET



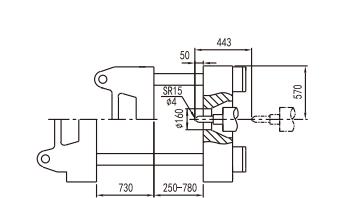
Model	TSV 408 II				TSV 488 II	
International specification	2700H			3600H		
Injection unit	A	B	C	D	A	B
Screw diameter [mm]	70	75	80	75	80	85
Screw ratio [L/D]	22.5	21	19.7	22.4	21	19.8
Theoretical injection capacity [cm³]	1346	1545	1758	1722	1959	2212
Shot weight (PS) [g]	1225	1406	1600	1567	1763	2013
Shot weight (PS) [oz]	43.1	49.5	56.3	55.2	62.8	70.9
Injection rate into Air [g/s]	344	395	449	441	501	566
Injection pressure [MPa]	193	168	148	193	169	150
Injection stroke [mm]	350			390		
Screw speed [r/min]	160			160		
Sphere diameter of nozzle [mm]	SR15			SR15		
Clamping unit						
Clamping force [kN]	4080			980		
Opening stroke [mm]	730			800		
Space between tie bar(WxH) [mm]	780X730			830X780		
Min. mould size [mm]	545X510			580X545		
Min. mould height [mm]	250			320		
Max. mould height [mm]	780			800		
Dia of mould location hole [mm]	Ø160H7			Ø160H7		
Ejector stroke [mm]	200			220		
Ejector force forward [kN]	120			110		
Number of ejector bar [PC]	13			13		
Others						
Sys. Pressure [MPa]	17.5			17.5		
Pump Motor [KW]	50.7			31.1+31.1		
Heater power [KW]	26.2			31.2		
Number of temp. control zones	4+1			4+1		
Oil tank capacity [L]	720			850		
Machine dimensions(LxWxH) [m]	7.63X2.15X2.42			8.20X2.08X2.75		
Machine weight [t]	15.2			18.9		

TSV 408 II

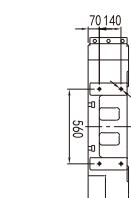
DIMENSION OF EXTERIOR



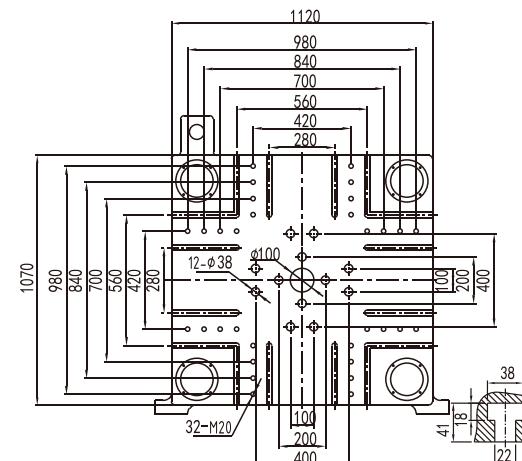
MOULD SPACE DIMENSION



ROBOT INSTALLATION DIMENSION

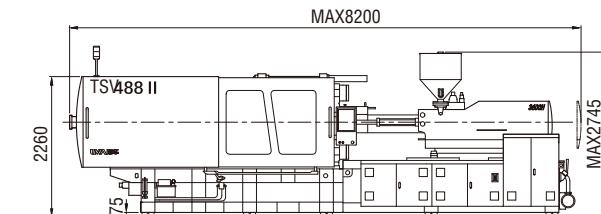


DIMENSION OF TEMPLET

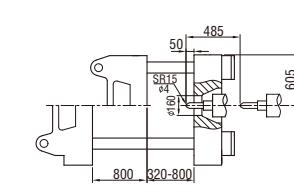


TSV 488 II

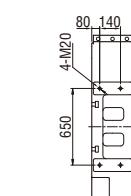
DIMENSION OF EXTERIOR



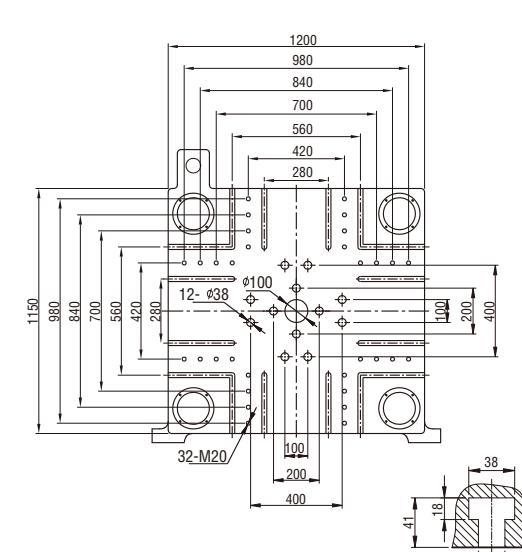
MOULD SPACE DIMENSION



ROBOT INSTALLATION DIMENSION



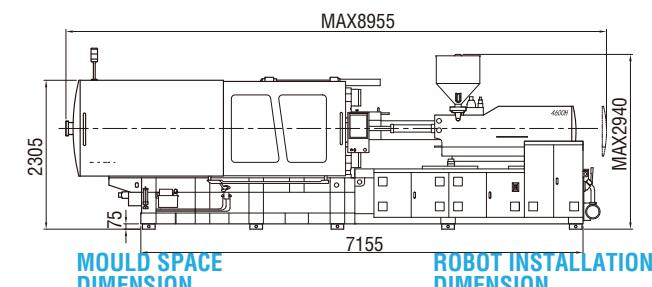
DIMENSION OF TEMPLET



Model	TSV 568 II			TSV 658 II			
International specification	4600H			5300H			
Injection unit	A	B	C	A	B	C	D
Screw diameter [mm]	80	85	90	85	90	95	100
Screw ratio [L/D]	22.3	21.0	19.8	22.2	21.0	19.9	18.9
Theoretical injection capacity [cm³]	2185	2467	2766	2637	2957	3294	3650
Shot weight (PS) [g]	1989	2245	2517	2400	2691	2998	3322
Shot weight (PS) [oz]	70.0	79.1	88.6	84.5	94.7	105.6	117.0
Injection rate into Air [g/s]	443	500	560	527	591	658	729
Injection pressure [MPa]	192	170	152	202	180	161	146
Injection stroke [mm]	435		465				
Screw speed [r/min]	145		114				
Sphere diameter of nozzle [mm]	SR15		SR15				
Clamping unit							
Clamping force [kN]	5680		6580				
Opening stroke [mm]	850		930				
Space between tie bar(WxH) [mm]	880X830		960X880				
Min. mould size [mm]	615X580		670X615				
Min. mould height [mm]	350		350				
Max. mould height [mm]	850		900				
Dia of mould location hole [mm]	Ø160H7		Ø160H7				
Ejector stroke [mm]	240		250				
Ejector force forward [kN]	158		158				
Number of ejector bar [PC]	17		21				
Others							
Sys. Pressure [MPa]	17.5		17.5				
Pump Motor [KW]	31.1+31.1		40.9+40.9				
Heater power [KW]	34.6		41				
Number of temp. control zones	4+1		5+1				
Oil tank capacity [L]	950		1000				
Machine dimensions(LxWxH) [m]	8.96X2.15X2.94		9.90X2.29X3.21				
Machine weight [t]	21.7		27				

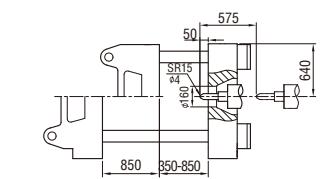
TSV 568 II

DIMENSION OF EXTERIOR



MOULD SPACE DIMENSION

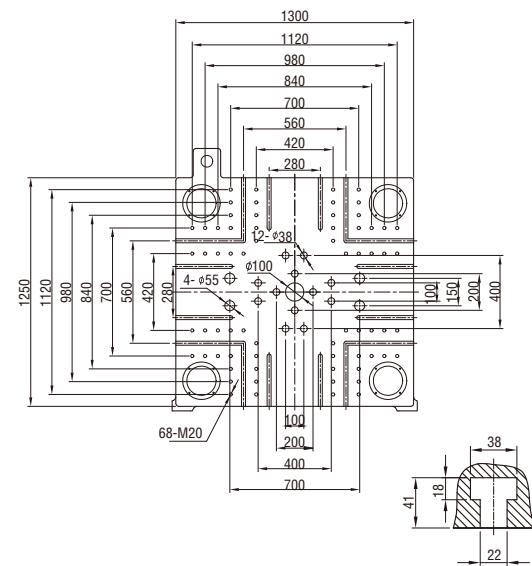
Mould space dimension



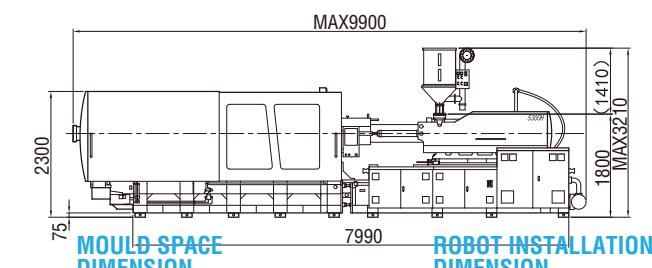
ROBOT INSTALLATION DIMENSION

Robot Installation dimension

DIMENSION OF TEMPLET

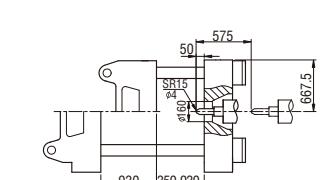


DIMENSION OF EXTERIOR



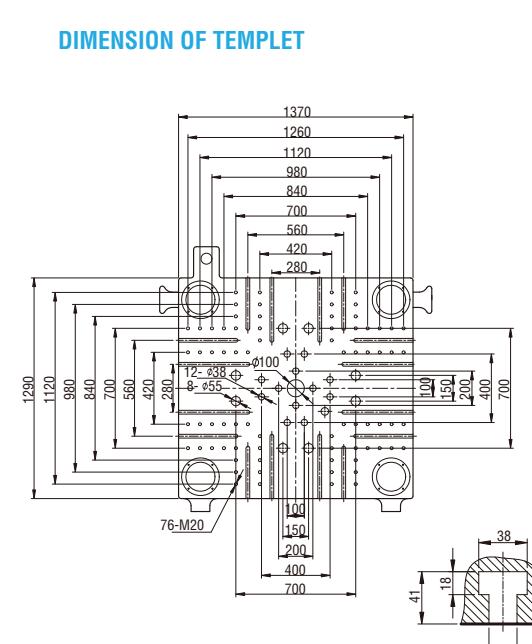
MOULD SPACE DIMENSION

Mould space dimension



ROBOT INSTALLATION DIMENSION

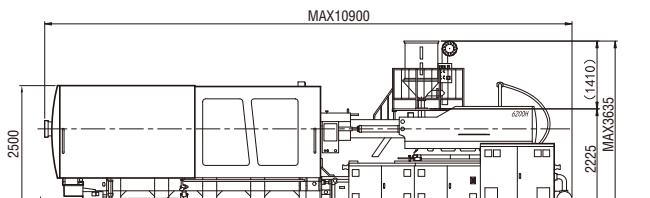
Robot Installation dimension



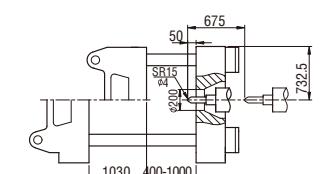
Model	TSV 788 II				TSV 968 II				
International specification	6000H				6900H				
Injection unit	A	B	C	D	A	B	C	D	
Screw diameter	[mm]	90	95	105	110	90	100	110	120
Screw ratio	[L/D]	23.2	22.0	19.9	19.0	24.4	22.0	20.0	18.3
Theoretical injection capacity	[cm³]	3052	3401	4154	4559	3181	3927	4752	5655
Shot weight (PS)	[g]	2777	3095	3780	4149	2895	3574	4324	5146
Shot weight (PS)	[oz]	97.8	109.0	133.1	146.1	101.9	125.8	152.2	181.1
Injection rate into Air	[g/s]	608	677	827	908	609	752	910	1083
Injection pressure	[MPa]	197	176	144	132	218	218	146	123
Injection stroke	[mm]	480				500			
Screw speed	[r/min]	103				80			
Sphere diameter of nozzle	[mm]	SR15				SR20			
Clamping unit									
Clamping force	[kN]	7880				9680			
Opening stroke	[mm]	1030				1150			
Space between tie bar(WxH)	[mm]	1060X980				1160X1080			
Min. mould size	[mm]	740X685				810X755			
Min. mould height	[mm]	400				400			
Max. mould height	[mm]	1000				1100			
Dia of mould location hole	[mm]	Ø200H7				Ø200H7			
Ejector stroke	[mm]	280				300			
Ejector force forward	[kN]	215				215			
Number of ejector bar	[PC]	21				21			
Others									
Sys. Pressure	[MPa]	17.5				17.5			
Pump Motor	[KW]	50.7+40.9				50.7+50.7			
Heater power	[KW]	45.1				55.2			
Number of temp. control zones		5+1				5+1			
Oil tank capacity	[L]	1100				1250			
Machine dimensions(LxWxH)	[m]	10.90X2.55X3.64				12.00X2.74X3.84			
Machine weight	[t]	34				44			

TSV 788 II

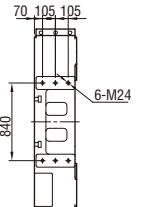
DIMENSION OF EXTERIOR



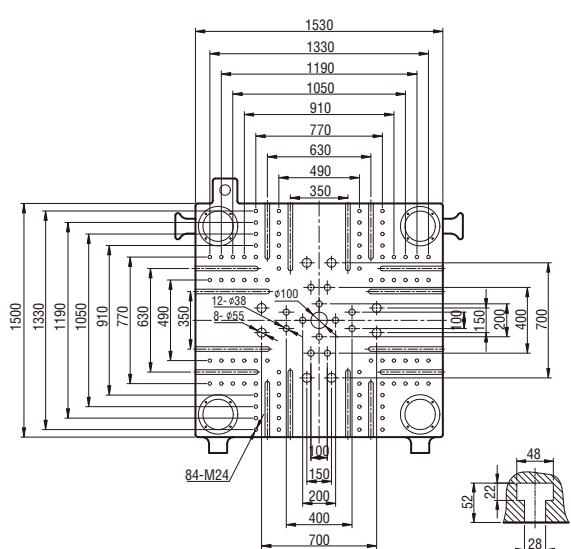
MOULD SPACE DIMENSION



ROBOT INSTALLATION DIMENSION

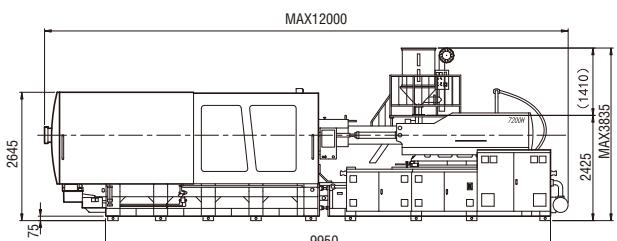


DIMENSION OF TEMPLET

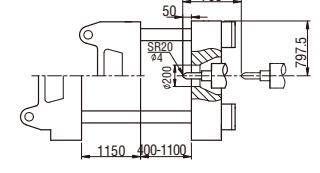


TSV 968 II

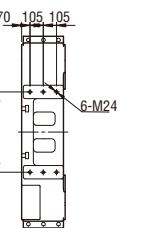
DIMENSION OF EXTERIOR



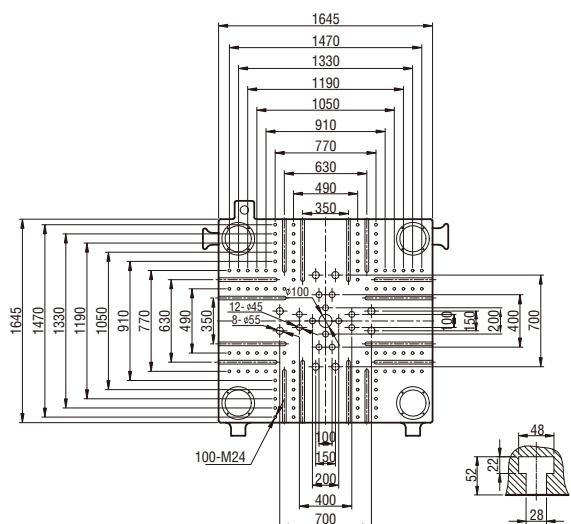
MOULD SPACE
DIMENSION



ROBOT INSTALLATION DIMENSION



DIMENSION OF TEMPLET





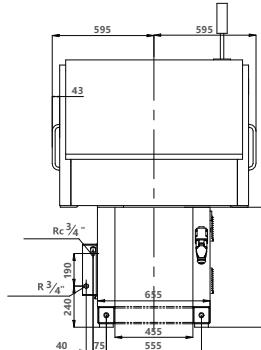
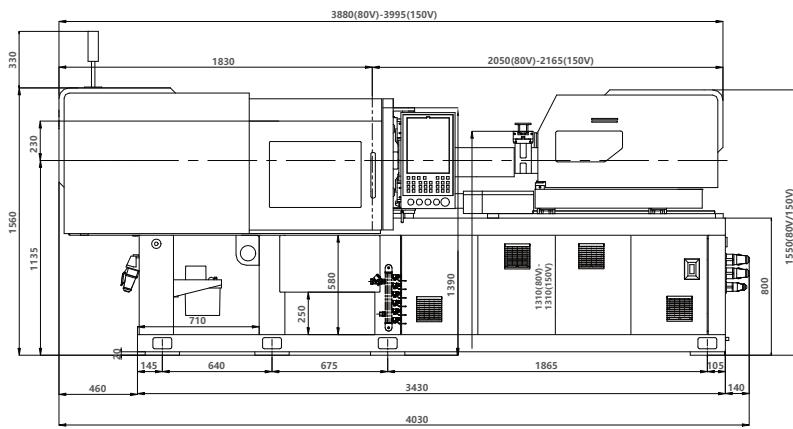
TITANIUM ELECTRIC SERIES TSV ALL-ELECTRIC INJECTION MOLDING MACHINE

TSV 60W

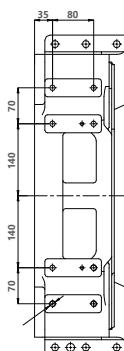
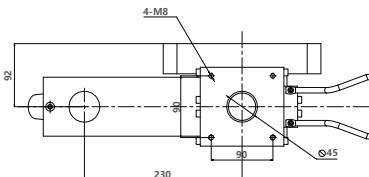
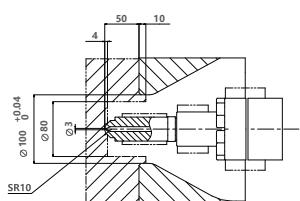
TSV 60W						
Specification		80VE/80V			150VE/150V	
Injection unit		A	B	C	A	B
Injection Unit	[mm]	20	22	26	26	28
Screw diameter	[L/D]	20	20	18	21	21
Screw L/D ratio	[cm³]	28	34	47	58	67
Cylinder head volume	[g]	25	31	43	53	61
Shot weight	[Mpa]	270	223	160	255	220
Injection pressure	[g/s]	57/100	69/121	97/169	97/169	112/196
Injection rate	[mm/s]	200/350			200/350	
Shot speed	[mm]	90			110	
Injection stroke	[rpm]	400			400	
Screw speed	[KN]	14.8			14.8	
Nozzle tooth force	[mm]	SR10			SR10	
Sphere diameter of nozzle						
Clamping force	[kN]	600				
Max.mould opening stroke	[mm]	270				
Space between tie bars	[mm]	370X320				
Min.Mould size	[mm]	240X205				
Min.Mould height	[mm]	150				
Max.Mould height	[mm]	370				
Dia of mould location hole	[mm]	Ø100H7				
Eject stroke	[mm]	70				
Eject force	[kN]	20				
Eject number	[PC]	5				
Others						
Motor power	[Kw]	8.9/9.5			11.8/11	
Heating power	[Kw]	5.85			7.95	
Heating section		3+2			3+2	
Machine dimensions(LxWxH)	[m]	4.03X1.2X1.55			4.03X1.2X1.55	
Machine weight	[t]	3.3			3.5	

TSV 60W

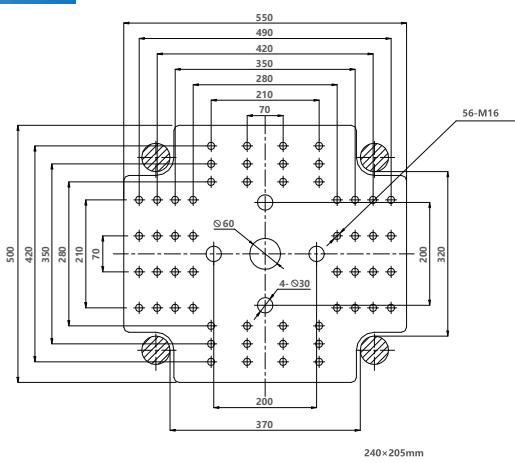
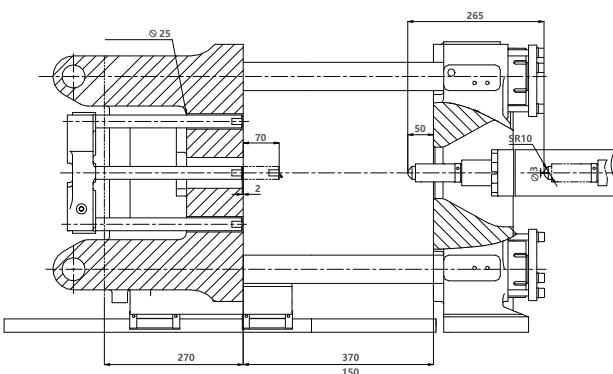
MACHINE DIMENSIONS



OTHERS DIMENSIONS



PLATEN DIMENSIONS

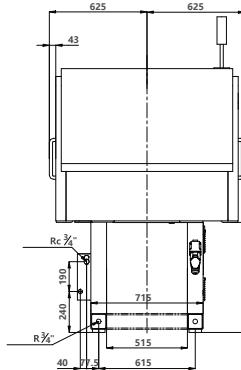
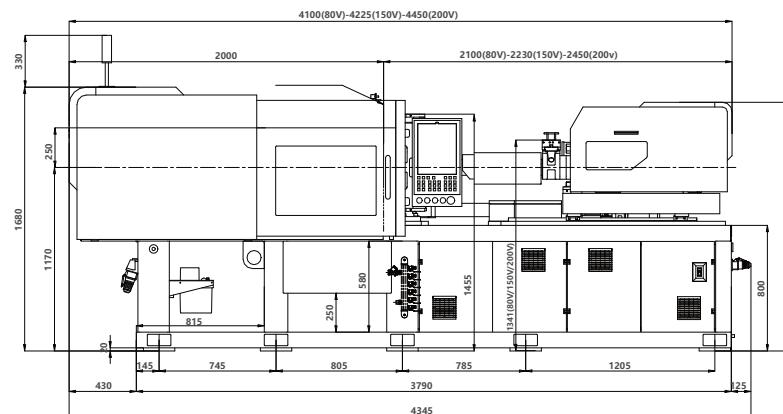


TSV 90W

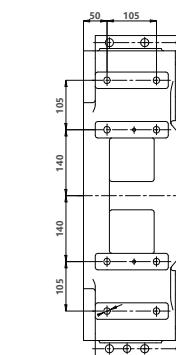
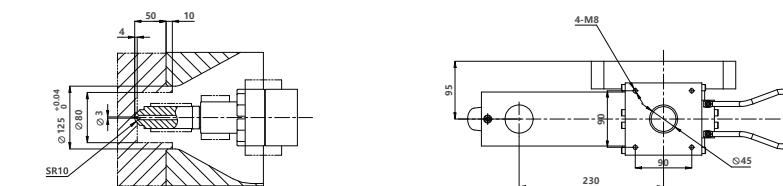
TSV 90W										
Specification		80VE/80V			150VE/150V			200VE/200V		
Injection unit		A	B	C	A	B	C	A	B	C
Screw diameter	[mm]	20	22	26	26	28	32	28	32	36
Screw ratio	[L/D]	20	20	18	21	21	19	22	21	18.7
Theoretical injection capacity	[cm³]	28	34	47	58	67	88	77	100	127
Shot weight (PS)	[g]	25	31	43	53	61	80	70	91	116
Shot weight (PS)	[Mpa]	270	223	160	255	200	168	261	200	158
Injection rate into Air	[g/s]	57/100	69/121	256	97/169	112/196	146/256	112/196	146/256	185/324
Injection pressure	[mm/s]	200/350			200/350			200/350		
Injection stroke	[mm]	90			110			125		
Injection pressure	[mm/s]	400			400			400		
Screw speed	[kN]	14.8			14.8			14.8		
Sphere diameter of nozzle	[mm]	SR10			SR10			SR10		
Clamping unit										
Clamping force	[kN]	900			900			900		
Opening stroke	[mm]	320			320			320		
Space between tie bar(WxH)	[mm]	420X370			420X370			420X370		
Min. mould size	[mm]	270X240			270X240			270X240		
Min. mould height	[mm]	150			150			150		
Max. mould height	[mm]	420			420			420		
Dia of mould location hole	[mm]	Ø125H7			Ø125H7			Ø125H7		
Ejector stroke	[mm]	80			80			80		
Ejector force forward	[kN]	32.4			32.4			32.4		
Number of ejector bar	[PC]	5			5			5		
Others										
Motor power	[kW]	8.9/9.5			11.8/11			14.5/5		
Heating power	[kW]	5.25			7.95			9.25		
Heating section		3+2			3+2			3+2		
Machine dimension	[m]	4.35X1.25X1.68			4.35X1.25X1.68			4.45X1.25X1.68		
Machine weight	[t]	3.8			3.6			4.2		

TSV 90W

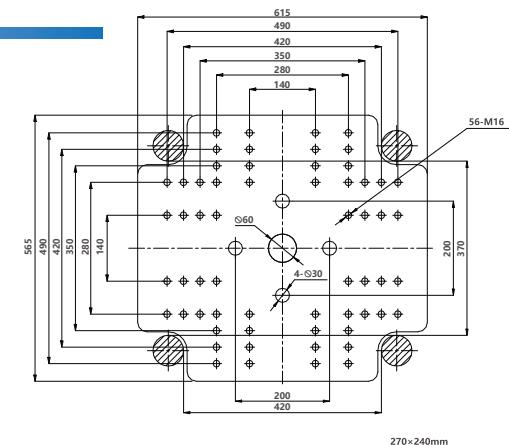
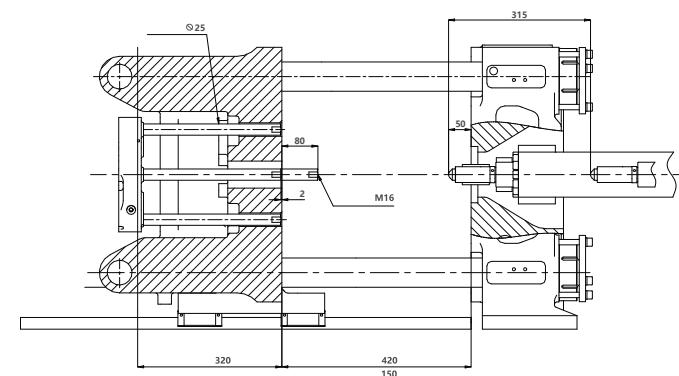
MACHINE DIMENSIONS



OTHERS DIMENSIONS



PLATEN DIMENSIONS



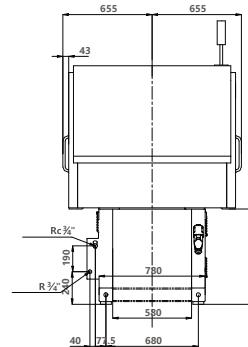
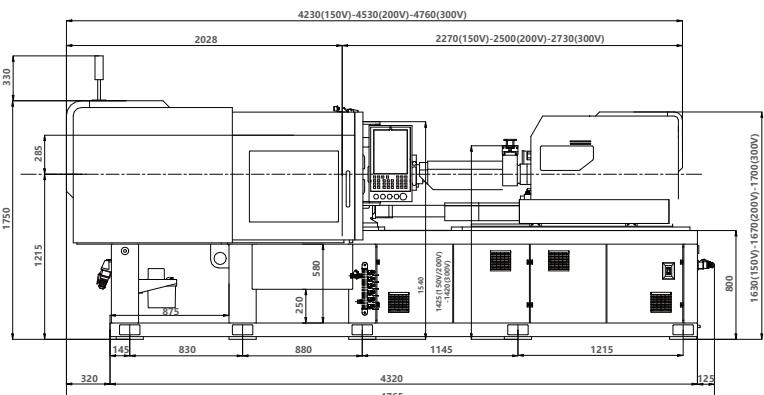


MODELS

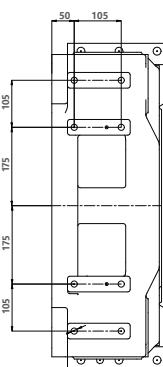
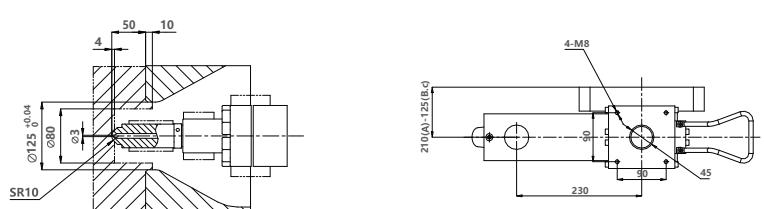
TSV 120W															
Specification	150VE/150V			200VE/200V			300VE/300V								
Injection unit	A	B	C	A	B	C	A	B	C						
Screw diameter [mm]	26	28	32	28	32	36	32	36	40						
Screw ratio [L/D]	21	21	19	22	21	18.7	23.6	21	19						
Theoretical injection capacity [cm³]	58	67	88	77	100	127	116	147	182						
Shot weight (PS) [g]	53	51	80	70	91	116	106	134	166						
Shot weight (PS) [Mpa]	255	220	168	261	200	158	253	200	162						
Injection rate into Air [g/s]	97/169	112/196	146/256	112/196	146/256	185/324	146/256	185/324	229/400						
Injection pressure [mm/s]	200/350			200/350			200/350								
Injection stroke [mm]	110			125			125								
Injection pressure [mm/s]	400			400			400								
Screw speed [kN]	19.7			19.7			19.7								
Sphere diameter of nozzle [mm]	SR10			SR10			SR10								
Clamping unit															
Clamping force [kN]	1200														
Opening stroke [mm]	360														
Space between tie bar(WxH) [mm]	470X420														
Min. mould size [mm]	305X270														
Min. mould height [mm]	180														
Max. mould height [mm]	480														
Dia of mould location hole [mm]	Ø125H7														
Ejector stroke [mm]	100														
Ejector force forward [kN]	32.4														
Number of ejector bar [PC]	5														
Others															
Motor power [kW]	13/13	15/15		23.6/22											
Heating power [kW]	7.95	9.25		13											
Heating section	3+2			3+2			3+2								
Machine dimension [m]	4.8X1.31X1.75			4.8X1.31X1.75			4.8X1.31X1.75								
Machine weight [t]	4.3			4.3			4.7								

TSV 120W

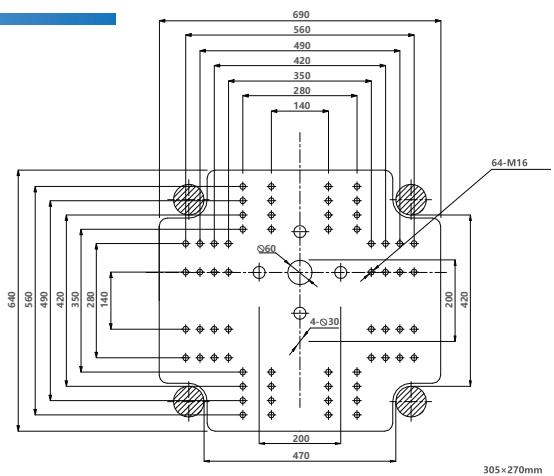
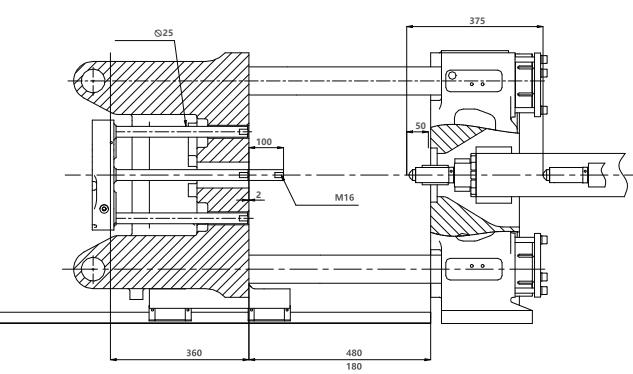
MACHINE DIMENSIONS



OTHERS DIMENSIONS



PLATEN DIMENSIONS

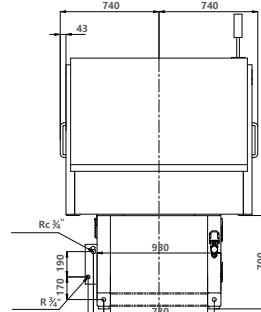
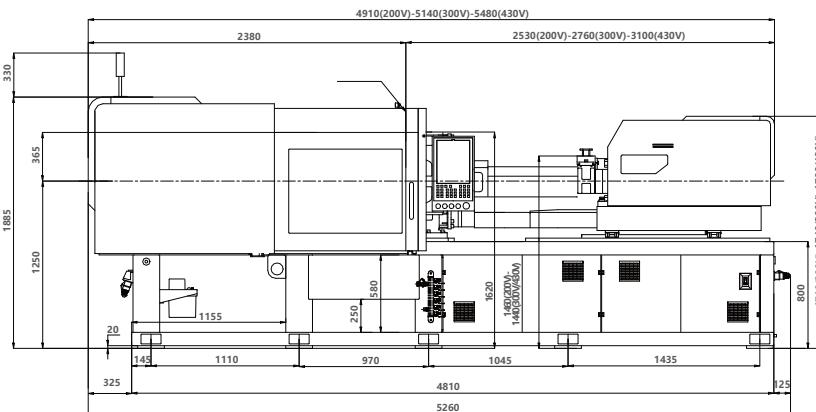


TSV 150W

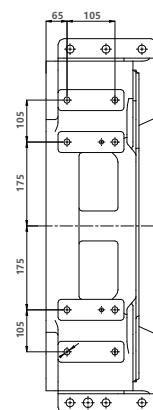
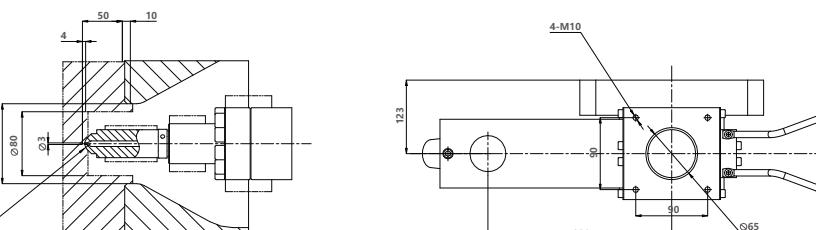
Specification		150VE/150V			200VE/200V			300VE/300V		
Injection unit		A	B	C	A	B	C	A	B	C
Screw diameter	[mm]	28	32	36	32	36	40	36	40	45
Screw ratio	[L/D]	22	21	18.7	23.6	21	19	23.3	21	19
Theoretical injection capacity	[cm³]	77	100	127	116	147	182	173	213	270
Shot weight (PS)	[g]	70	91	116	106	134	166	157	194	246
Shot weight (PS)	[Mpa]	261	200	158	253	200	162	247	200	158
Injection rate into Air	[g/s]	112/196	146/256	185/324	146/256	185/324	229/400	185/324	229/400	290/507
Injection pressure	[mm/s]	200/350			200/350			200/350		
Injection stroke	[mm]	125			145			170		
Injection pressure	[mm/s]	400			400			400		
Screw speed	[kN]	19.7			19.7			19.7		
Sphere diameter of nozzle	[mm]	SR10			SR10			SR10		
Clamping unit										
Clamping force	[kN]				1500					
Opening stroke	[mm]				420					
Space between tie bar(WxH)	[mm]				530X470					
Min. mould size	[mm]				335X305					
Min. mould height	[mm]				200					
Max. mould height	[mm]				520					
Dia of mould location hole	[mm]				Ø125H7					
Ejector stroke	[mm]				120					
Ejector force forward	[kN]				32.4					
Number of ejector bar	[PC]				5					
Others										
Motor power	[kW]	19.3/19.3			23.6/22			25.2/30		
Heating power	[kW]	9.25			13			14.2		
Heating section		3+3			3+3			3+3		
Machine dimension	[m]	5.26X1.48X1.89			5.26X1.48X1.89			5.48X1.48X1.89		
Machine weight	[t]	6			6.5			6.8		

TSV 150W

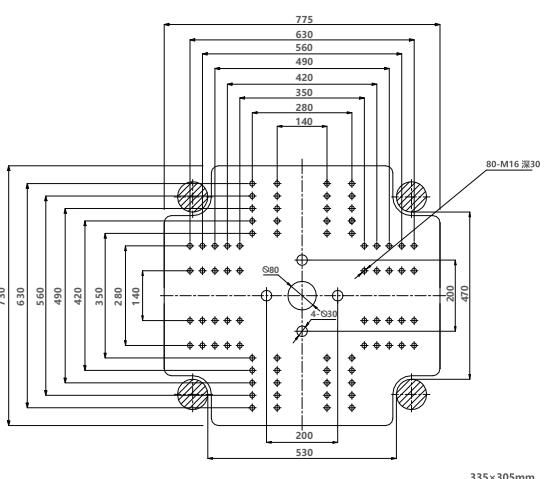
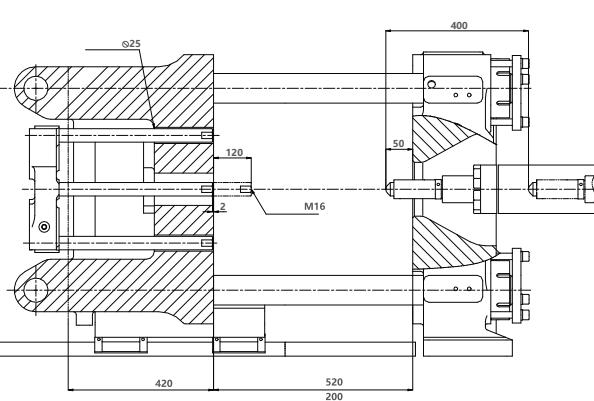
MACHINE DIMENSIONS



OTHERS DIMENSIONS



PLATEN DIMENSIONS

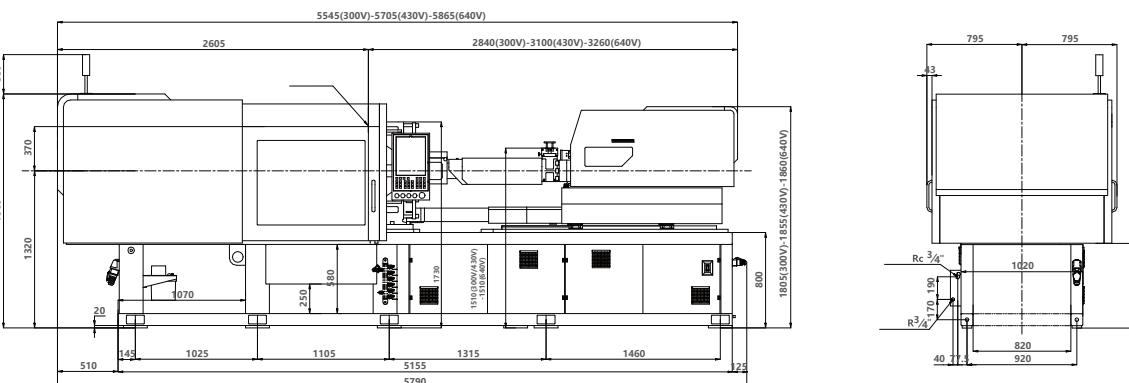


TSV 190W

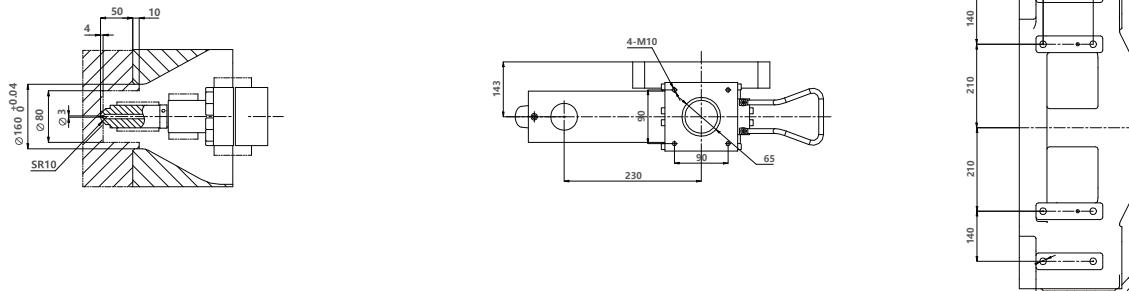
Specification		300VE/300V			430VE/430V			640VE/640V		
Injection unit		A	B	C	A	B	C	A	B	C
Screw diameter	[mm]	32	36	40	36	40	45	40	45	50
Screw ratio	[L/D]	23.6	21	19	23.3	21	19	23.3	21	19
Theoretical injection capacity	[cm³]	116	100	182	173	213	270	252	319	395
Shot weight (PS)	[g]	106	91	166	157	194	246	229	290	358
Shot weight (PS)	[Mpa]	253	200	162	247	200	158	253	200	162
Injection rate into Air	[g/s]	145/256	146/256	229/400	185/324	229/400	290/507	183/343	231/434	286/536
Injection pressure	[mm/s]	200/350			200/350			200/350		
Injection stroke	[mm]	125			170			200		
Injection pressure	[mm/s]	400			400			350		
Screw speed	[kN]	19.7			19.7			19.7		
Sphere diameter of nozzle	[mm]	SR10			SR10			SR10		
Clamping unit										
Clamping force	[kN]				1900					
Opening stroke	[mm]				470					
Space between tie bar(WxH)	[mm]				590X530					
Min. mould size	[mm]				355X335					
Min. mould height	[mm]				200					
Max. mould height	[mm]				520					
Dia of mould location hole	[mm]				Ø160H7					
Ejector stroke	[mm]				130					
Ejector force forward	[kN]				44.1					
Number of ejector bar	[PC]				5					
Others										
Motor power	[kW]	23.6/23.4			27.9/30			29/30		
Heating power	[kW]	13			14.2			16.6		
Heating section		3+2			3+3			3+3		
Machine dimension	[m]	5.8X1.6X1.96			5.8X1.6X1.96			5.87X1.6X1.96		
Machine weight	[t]	8.1			8.1			8.6		

TSV 190W

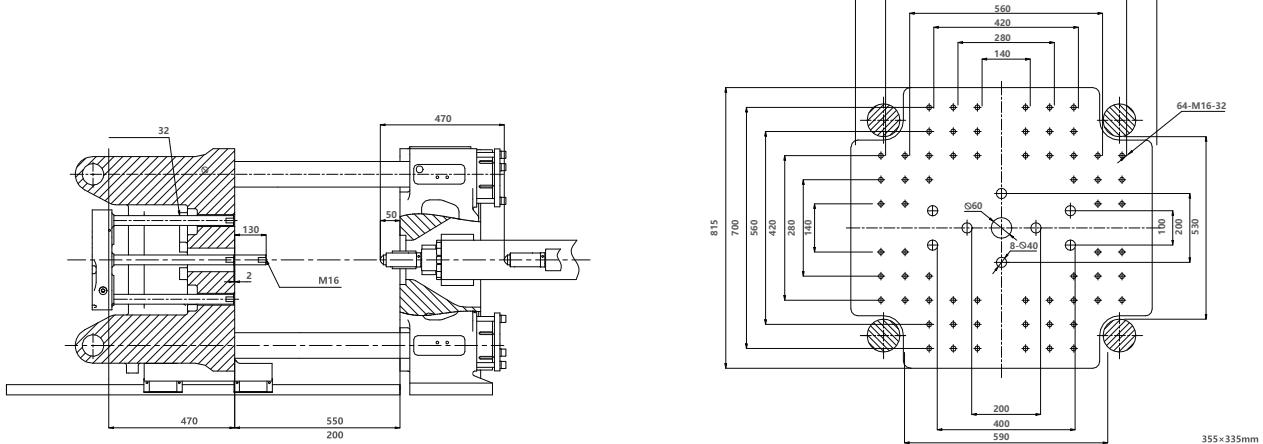
MACHINE DIMENSIONS



OTHERS DIMENSIONS



PLATEN DIMENSIONS

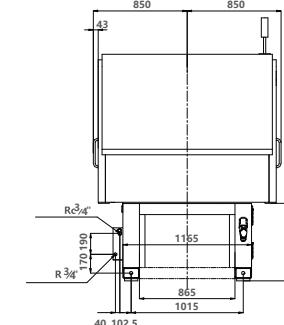
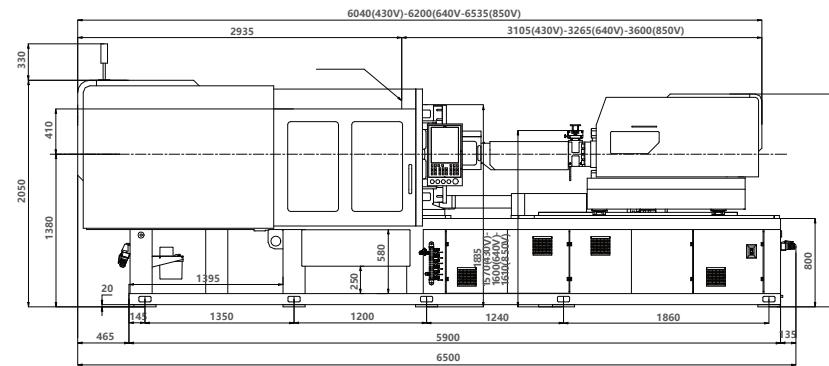


TSV 230W

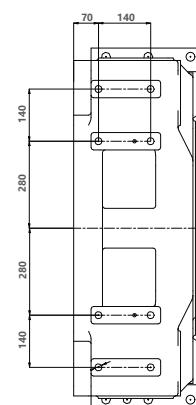
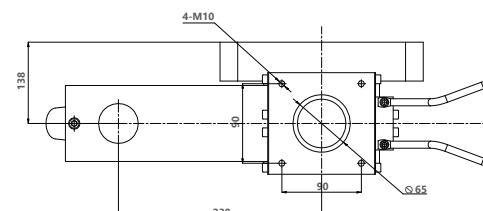
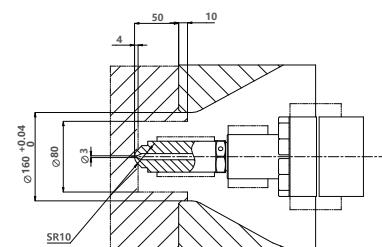
Specification		430VE/430V			640VE/640V			850VE/850V		
Injection unit		A	B	C	A	B	C	A	B	C
Screw diameter	[mm]	36	40	45	40	45	50	45	50	55
Screw ratio	[L/D]	23.3	21	19	23.5	21	19	23.2	21	19
Theoretical injection capacity	[cm³]	173	213	270	252	319	395	342	422	511
Shot weight (PS)	[g]	157	194	246	229	290	358	311	384	465
Shot weight (PS)	[Mpa]	247	200	158	253	200	162	247	200	165
Injection rate into Air	[g/s]	185/324	229/400	290/507	183/323	231/434	286/536	231/434	286/536	346/649
Injection pressure	[mm/s]	200/350			160/300			160/300		
Injection stroke	[mm]	170			200			215		
Injection pressure	[mm/s]	400			350			350		
Screw speed	[kN]	39.3			39.3			39.3		
Sphere diameter of nozzle	[mm]	SR10			SR10			SR10		
Clamping unit										
Clamping force	[kN]				2300					
Opening stroke	[mm]				550					
Space between tie bar(WxH)	[mm]				650X590					
Min. mould size	[mm]				425X385					
Min. mould height	[mm]				230					
Max. mould height	[mm]				680					
Dia of mould location hole	[mm]				Ø160H7					
Ejector stroke	[mm]				150					
Ejector force forward	[kN]				44.1					
Number of ejector bar	[PC]				13					
Others										
Motor power	[kW]	33.9/33.9			35/35			36.9/41		
Heating power	[kW]	14.2			16.6			20.2		
Heating section		3+2			3+2			4+2		
Machine dimension	[m]	6.5X1.7X2.05			6.5x1.7x2.05			6.55x1.7x2.05		
Machine weight	[t]	11.1			11.5			11.9		

TSV 230W

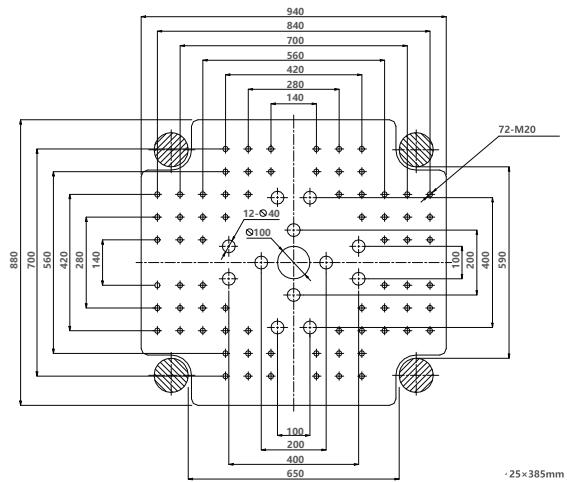
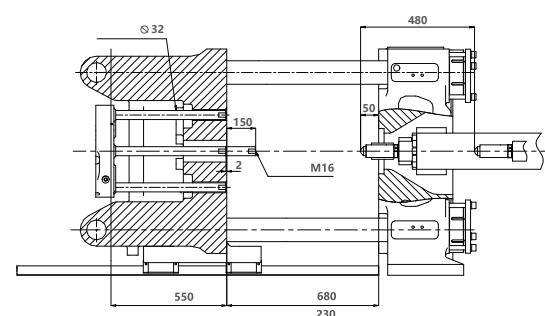
MACHINE DIMENSIONS



OTHERS DIMENSIONS



PLATEN DIMENSIONS





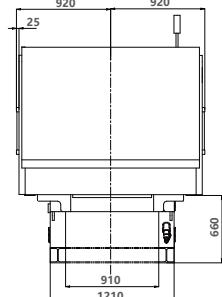
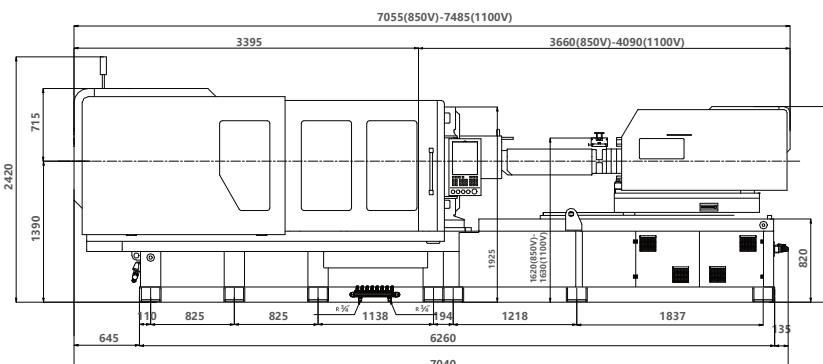
MODELS

TSV 300W

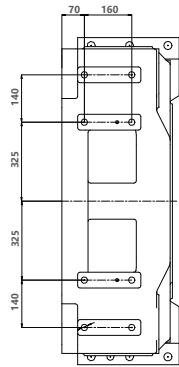
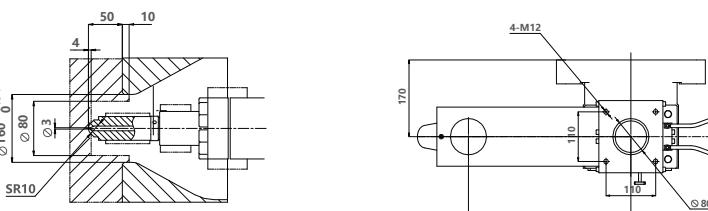
Specification	640VE/640V			850VE/850V			1100VE/1100V								
Injection unit	A	B	C	A	B	C	A	B	C						
Screw diameter [mm]	40	45	50	45	50	55	50	55	60						
Screw ratio [L/D]	23.1	21	19	23.2	21	19	23.1	21	19.3						
Theoretical injection capacity [cm³]	252	319	395	342	422	511	471	570	678						
Shot weight (PS) [g]	229	290	358	311	384	465	428	518	617						
Shot weight (PS) [Mpa]	253	200	162	247	200	165	236	195	164						
Injection rate into Air [g/s]	183/343	231/434	286/536	231/434	286/536	346/649	286/447	346/541	42/643						
Injection pressure [mm/s]	160/300			160/300			160/250								
Injection stroke [mm]	200			215			240								
Injection pressure [mm/s]	350			350			320								
Screw speed [kN]	39.3			39.3			39.3								
Sphere diameter of nozzle [mm]	SR10			SR10			SR10								
Clamping unit															
Clamping force [kN]	3000														
Opening stroke [mm]	600														
Space between tie bar(WxH) [mm]	730x730														
Min. mould size [mm]	470x470														
Min. mould height [mm]	250														
Max. mould height [mm]	720														
Dia of mould location hole [mm]	Ø160H7														
Ejector stroke [mm]	150														
Ejector force forward [kN]	59														
Number of ejector bar [PC]	13														
Others															
Motor power [kW]	38.1/38.1	40/44.1		47.2/47.2											
Heating power [kW]	16.6	20.2		26.8											
Heating section	3+2	4+2		4+2											
Machine dimension [m]	7.05x1.84x2.1		7.05x1.84x2.1		7.5x1.84x2.1										
Machine weight [t]	14		15.8		17										

TSV 300W

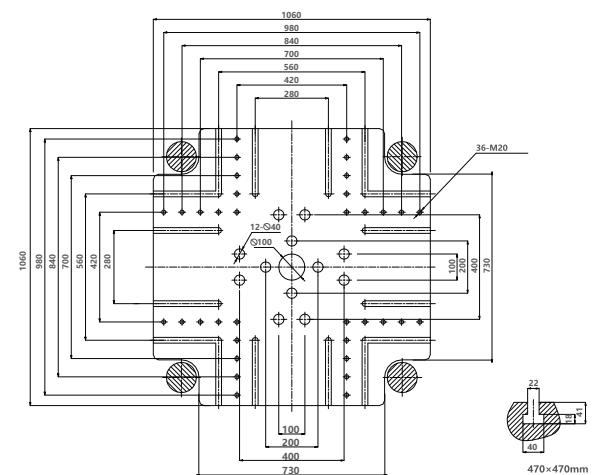
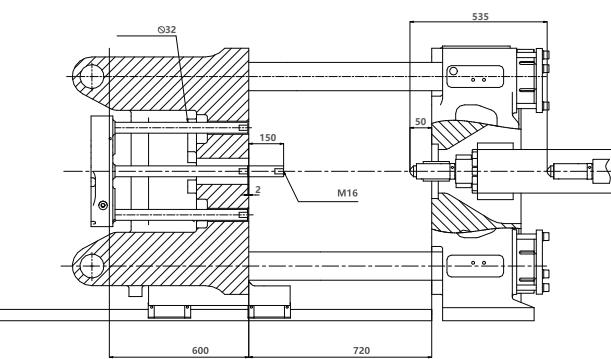
MACHINE DIMENSIONS



OTHERS DIMENSIONS



PLATEN DIMENSIONS



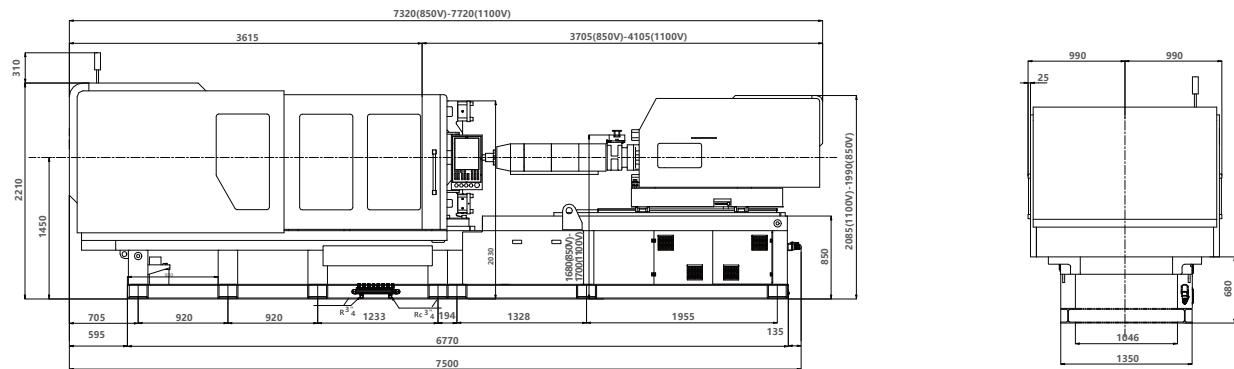


MODELS

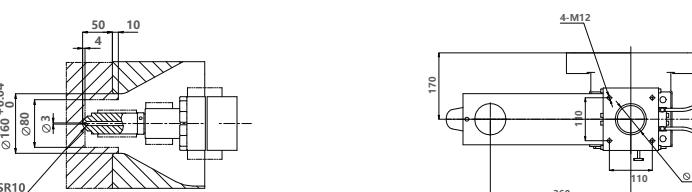
TSV 360W						
Specification	850VE/850V			1100VE/1100V		
	A	B	C	A	B	C
Injection unit						
Screw diameter [mm]	40	50	55	50	55	60
Screw ratio [L/D]	23.2	21	19	23.1	21	19.3
Theoretical injection capacity [cm³]	342	422	511	471	570	678
Shot weight (PS) [g]	311	384	465	428	518	617
Shot weight (PS) [Mpa]	247	200	165	236	195	167
Injection rate into Air [g/s]	231/434	286/536	346/649	286/447	346/541	412/643
Injection pressure [mm/s]		160/300			160/250	
Injection stroke [mm]		215			240	
Injection pressure [mm/s]		350			320	
Screw speed [kN]		39.3			54	
Sphere diameter of nozzle [mm]		SR10			SR10	
Clamping unit						
Clamping force [kN]			3600			
Opening stroke [mm]			700			
Space between tie bar(WxH) [mm]			820x820			
Min. mould size [mm]			540x540			
Min. mould height [mm]			300			
Max. mould height [mm]			770			
Dia of mould location hole [mm]			Ø160H7			
Ejector stroke [mm]			160			
Ejector force forward [kN]			59			
Number of ejector bar [PC]			17			
Others						
Motor power [kW]	43.1/47.2			47.2/50.3		
Heating power [kW]	20.2			26.8		
Heating section		4+3		4+3		
Machine dimension [m]		7.65x2.15x2.35		4.65x2.15x2.35		
Machine weight [t]		17.8		18.3		

TSV 360W

MACHINE DIMENSIONS



OTHERS DIMENSIONS



PLATEN DIMENSIONS

