



Specifications **SM-TPV Series • 780 ton - 3500 ton** **Energy Saving Two Platen Injection Molding Machines**

MODEL		700-TP			900-TP			1200-TP			1500-TP		1800-TP		2500-TP		3200-TP	
Clamping Force	US tons	780			1000			1300			1650		2000		2750		3500	
Opening Stroke	in	74.80			82.68			90.55			94.49		102.36		106.30		118.11	
Max Daylight	in	90.55			102.36			114.17			122.05		129.92		137.80		149.61	
Mold Height (min/max)	in	15.75 - 43.31			19.69 - 47.24			23.62 - 51.18			27.56 - 55.12		27.56 - 59.06		31.50 - 66.93		31.50 - 78.74	
Space between Tie Bar	HxV in	37.8 x 37.8			41.73 x 41.73			48.03 x 48.03			59.84 x 55.91		71.65 x 59.84		79.53 x 63.78		87.4 x 73.23	
Platen Dimension	HxV in	57.48 x 56.69			68.5 x 68.5			78.4 x 78.4			94.49 x 94.49		96.85 x 94.49		113.78 x 98.03		125.98 x 114.17	
Hydraulic Ejector Force	US tons	17.6			19.8			22			22		33.1		33.1		48.5	
Hydraulic Eject Stroke	in	9.84			9.84			9.84			9.84		11.81		11.81		19.69	
Injection Volume	in ³	156	195	261	195	261	365	325	454	564	454	564	806	982	1104	1398	1104	1398
Shot Weight (PS)	oz	83	103	139	103	139	193	172	241	300	241	300	428	521	586	742	586	742
Screw Diameter	in	3.35	3.74	4.33	3.74	4.33	5.12	4.33	5.12	5.71	5.12	5.71	5.71	6.30	6.30	7.09	6.30	7.09
Injection Pressure	psi	28731	23042	17210	32145	24037	17210	29727	21335	17068	26455	21193	21193	17495	20482	16215	20482	16215
Injection Rate	in ³ / sec	31.1	38.9	52.1	41.9	56.2	77.4	51.6	72.1	89.7	69.6	86.6	82.6	100.6	98.1	124.2	98.1	124.2
Screw Stroke	in	17.7			17.7			22.0			22.0		31.5		35.4		35.4	
Screw Rotation	rpm	120			120			115			120		110		68		68	
Plasticizing Capacity	oz/sec	2.19	2.72	3.63	2.72	4.09	5.71	3.92	5.47	6.77	5.71	7.09	6.49	10.55	6.49	8.92	6.49	8.92
IPM Pump Motor	HP	75			100			120			135		135		155		155	
Standard Pump Motor	HP	25			30			50			75		75		75		75	
Total Pump Motor	HP	100			130			170			205		205		230		230	
Heating Capacity	Kw	37.1			46			48	60	60	64	67	67	67	81	81	81	81
Max System Pressure	psi	2489			2489			2489			2489		2489		2489		2489	
Oil Tank Capacity	gal	317			370			528			793		793		793		793	
Machine Dimensions	LWH ft	27.9 x 9.2 x 8.5			32.5 x 10.2 x 8.9			35.8 x 12.1 x 9.8			39.4 x 12.5 x 10.5		44.6 x 15.4 x 11.2		50.9 x 16.1 x 12.5		59.4 x 17.1 x 13.1	
Machine Weight	lbs	65036			109570			150576			086070		242508		379856		494055	



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