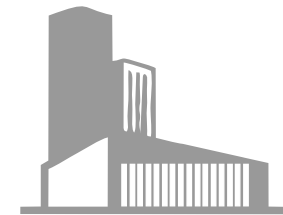




30 TO 130 TONS VERTICAL INJECTION MOULDING MACHINE



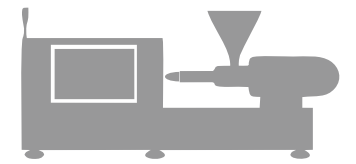
SINCE
2008



10000 + 4000
SQ. FT. AREA



6+ COUNTRIES
EXPORTED



500+
INSTALLATIONS



PATIDAR MACHINE TOOLS

-  Unit 1: 799/B, G.I.D.C. Ind. Estate, Makarpura, Vadodara-390010, Gujarat.
-  Unit 2: I-398, G.I.D.C. Ind. Estate, Makarpura, Vadodara-390010, Gujarat.
-  +91-94275 39185, 7016315469
-  patidarmachine@yahoo.com  www.patidarmachine.com



scan here to view
machine videos



TECHNICAL SPECIFICATIONS



Model		PMT-VM-30			PMT-VM-60			PMT-VM-90			PMT-VM-130		
Description	Unit	A	B	C	A	B	C	A	B	C	A	B	C
INJECTION UNIT													
Screw Diameter	mm	20	25	30	25	30	35	30	35	40	35	40	45
Screw L/D Ratio	L/D	25	20	17	24	20	17	23	20	17.5	22.5	20	18
Shot Volume	cm³	39	61	88	70	105	144	141	192	251	240	314	397
Shot Weight (PS)	gms	31	48	70	56	84	115	112	153	200	192	251	317
Injection Pressure	bar	2560	1640	1150	2240	1570	1140	2160	1587	1215	2140	1875	1295
Injection Rate Into Air	cm³/s	26	40	58	46	70	96	56	76	100	96	125	158
Screw Stroke	mm		125			150			200			250	
Screw Speed Max.	rpm		300			300			275			250	
CLAMPING UNIT													
Locking Force	ton		30			60			90			130	
Tie-Bar Distance (HxW)	mm		205 x 255			305 x 305			365 x 365			425 x 425	
Platen Size (HxV)	mm		400 x 350			470 x 470			550 x 550			640 x 640	
Opening Stroke	mm		180			250			350			400	
Max. Mould Height	mm		300			325			400			450	
Min. Mould Height	mm		125			125			150			150	
Max. Day Light	mm		480			575			710			850	
Ejector Stroke	mm		50			65			90			110	
Ejector Force	ton		1.75			3.75			4.5			4.5	
Ejector Number	no.		1			1			5			5	
ELECTRICAL UNIT													
Pump Motor Power (Servo)	kw		8.5			11.5			17.5			17.5	
Heater Power	kw		3.5			5			7.5			11	
Total Power	kw		12			16.5			25			28.5	
Temperature Control Zone	no.		3			4			4			5	
GENERAL													
Oil Tank Capacity	L		125			150			175			200	
Machine Dim.(LxWxH)	M		2 x 0.8 x 2.2			2.1 x 0.9 x 2.5			2.2 x 1 x 2.8			2.6 x 1.1 x 3.1	
Machine Weight Appx.	τ		2.1			2.7			3.3			4	
Hopper Capacity	L		15			15			20			20	

PMT VM SERIES

VERTICAL INJECTION
HORIZONTAL CLAMPING
MOULDING MACHINE

APPLICATIONS



Note: Due to continuous improvement specifications are subject to change without prior notice.

TECHNICAL SPECIFICATIONS



		PMT-VM-30R2			PMT-VM-60R2			PMT-VM-90R2			PMT-VM-130R2		
Description	Unit	A	B	C	A	B	C	A	B	C	A	B	C
INJECTION UNIT													
Screw Diameter	mm	20	25	30	25	30	35	30	35	40	35	40	45
Screw L/D Ratio	L/D	25	20	17	24	20	17	23	20	17.5	22.5	20	18
Shot Volume	cm³	39	61	88	70	105	144	141	192	251	240	314	397
Shot Weight (PS)	gms	31	48	70	56	84	115	112	153	200	192	251	317
Injection Pressure	bar	2560	1640	1150	2240	1570	1140	2160	1587	1215	2140	1875	1295
Injection Rate Into Air	cm³/s	26	40	58	46	70	96	56	76	100	96	125	158
Screw Stroke	mm		125			150			200			250	
Screw Speed Max.	rpm		300			300			275			250	
Nozzle Unit Stroke	mm		175			200			250			250	
CLAMPING UNIT													
Locking Force	ton		30			60			90			130	
Tie-Bar Distance (HxW)	mm		425 x 335			545 x 415			605 x 485			645 x 530	
Platen Size (HxV)	mm		850			1000			1150			1250	
Opening Stroke	mm		250			275			300			300	
Max. Mould Size	mm		355 x 290			400 x 325			500 x 400			560 x 430	
Min. Mould Height	mm		150			200			225			250	
Max. Day Light	mm		400			475			525			550	
Ejector Stroke	mm		100			150			150			150	
Ejector Force	ton		2.7			2.7			5			5	
Ejector Number	no.		1			1+4			1+4			1+4	
ELECTRICAL UNIT													
Pump Motor Power (Servo)	kw		8.5			11.5			17.5			17.5	
Heater Power	kw		3.5			5			7.5			11	
Total Power	kw		12			16.5			25			28.5	
Temperature Control Zone	no.		3			4			4			5	
GENERAL													
Oil Tank Capacity	L		150			200			250			280	
Machine Dim.(LxWxH)	M		2.2 x 1.25 x 3.1			2.5 x 1.5 x 3.5			2.75 x 1.65 x 4.2			3 x 1.75 x 4.35	
Machine Weight Appx.	τ		3			3.8			5.2			6.5	
Hopper Capacity	L		15			15			20			20	

PMT VM R2 SERIES

VERTICAL INJECTION
ROTARY MOULDING
MACHINE

APPLICATIONS



Note: Due to continuous improvement specifications are subject to change without prior notice.