



## Hybrid Injection moulding machine PH series 120-140 Ton

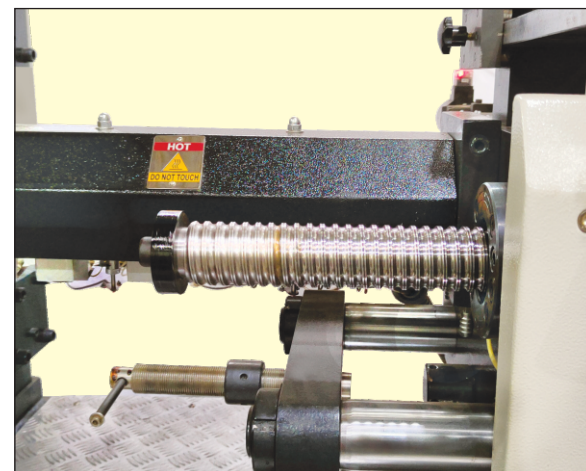


Energy efficient, reliable, user friendly,  
highly accurate moulding machines.

Most suitable for multi-cavity moulds,  
thin walled components, engineering products



Servo drive for Injection.



Ball Screw for Injection movement control.



### PRATISHNA ENGINEERS LTD.

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MODEL	UNIT	PH-120		PH-140	
		A	B	A	B
<b>INJECTION UNIT</b>					
Screw Diameter	mm	35	32	38	35
Screw L/D Ratio		19:1	20:1	17.5:1	19:1
Max. Swept Volume	Cub.cm	168	140	244	207
Max. Shot Weight (PS)	gms	151	126	219	186
Max. Injection Pressure	Mpa	168	201	186	220
Rate Of Injection	cc/sec	109	91	128	109
Screw Speed	rpm	300	300	300	300
Nozzle Force	Tons	3.6	3.6	3.6	3.6

<b>LOCKING UNIT</b>			
Mould Clamping Force	Tons	120	140
Mould Clamping Stroke	mm	300	340
Mould Thickness - Min - Max.	mm	165 - 450	190 - 500
Max. Day Light Opening	mm	750	840
Space Betn. Tie Bars - H X V	mm	410 X 345	440 X 420
Platen Size	mm	640 X 570	675 X 640

<b>HYDRAULIC EJECTOR</b>			
Ejector Stroke	mm	85	100
Ejector Force	Tons	4.7	4.7

<b>GENERAL</b>			
Servo Motor	KW	12.5	15.7
Heating Capacity	KW	8.0	8.0
Total Connected Load	KW	20.5	23.7
Tank Capacity	Ltrs	260	350
Machine Weight	Tons	3.9	4.6
Floor Space ( L X W X H )	Mtr.	4.2 X 1.25 X 1.75	4.6 X 1.5 X 1.8

### SALIENT FEATURES

- 1) Very high level of repeatability in injection function.
- 2) Low power consumption
- 3) Moving platen on linear motion guide
- 4) Smooth, High speed & High pressure Injection.



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