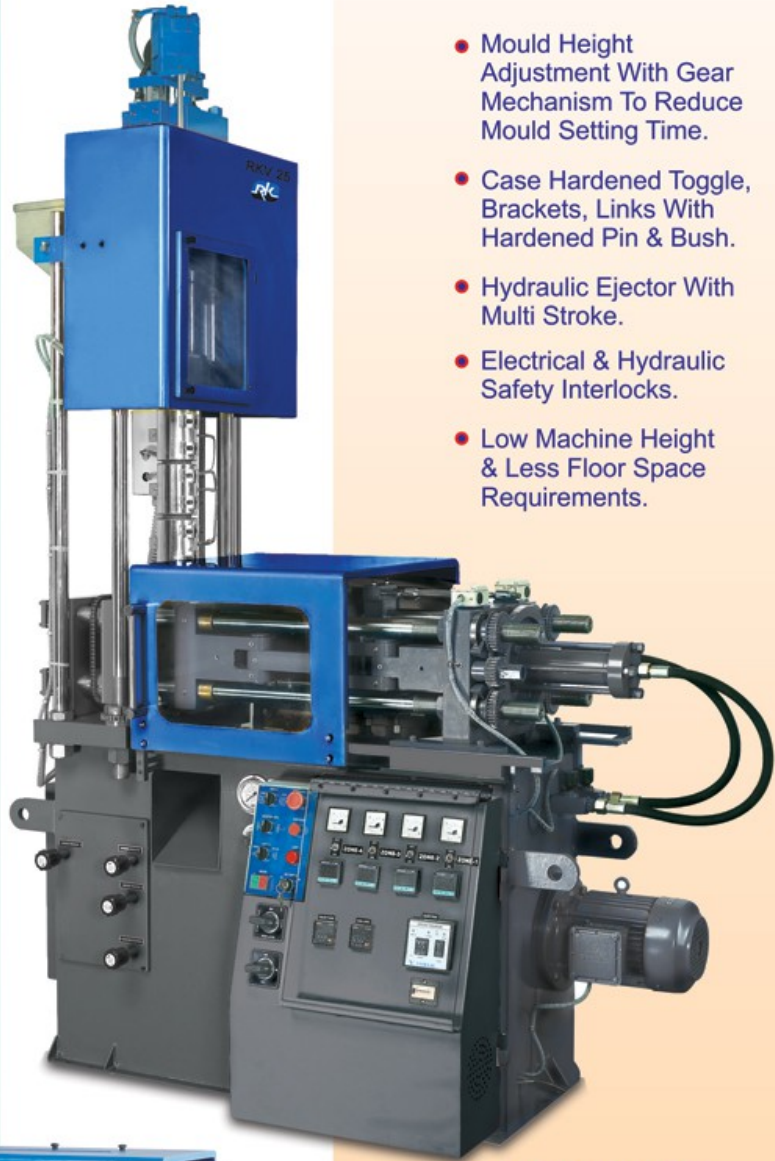
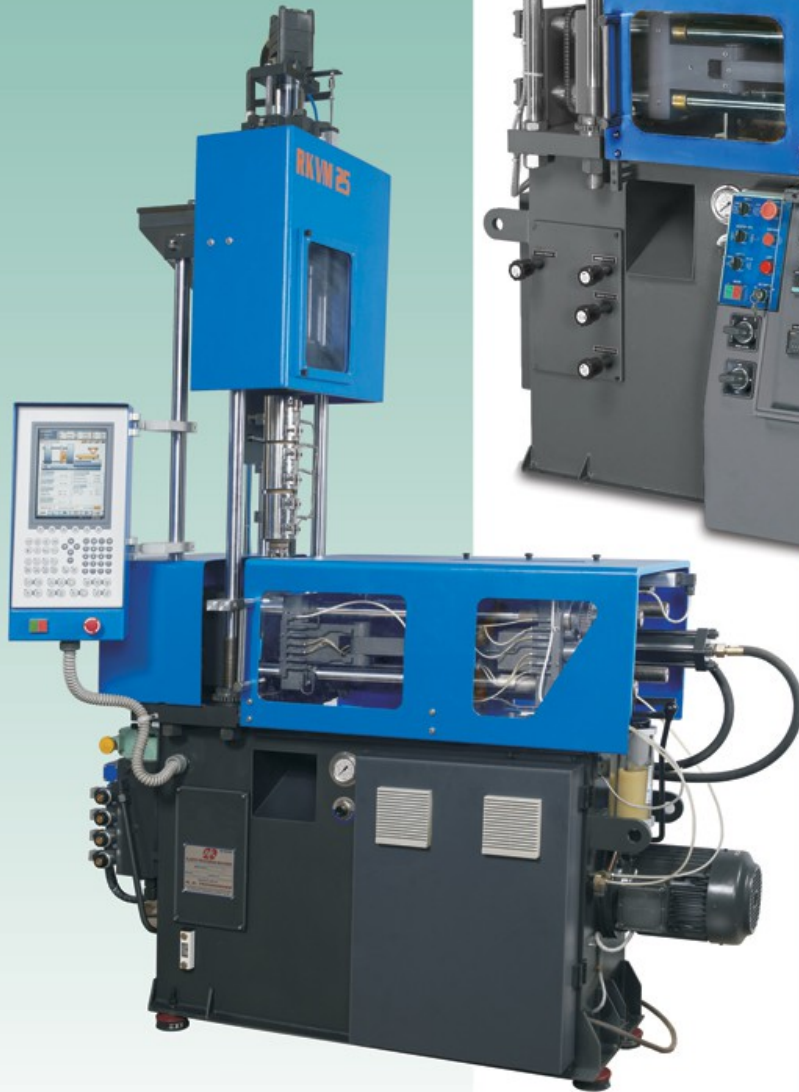




Ultimate Lightning  
Solution People

## RKV SERIES VERTICAL SCREW TYPE INJECTION MOULDING MACHINE

- Microprocessor based control system with proportional hydraulic for pressure & flow.
- Mould safety.
- Large platen size
- Five Stage Injection



- Mould Height Adjustment With Gear Mechanism To Reduce Mould Setting Time.
- Case Hardened Toggle, Brackets, Links With Hardened Pin & Bush.
- Hydraulic Ejector With Multi Stroke.
- Electrical & Hydraulic Safety Interlocks.
- Low Machine Height & Less Floor Space Requirements.

- Sheet Metal Body.
- Sturdy Injection Unit.
- PID Temp. Controller with SSR.
- Digital Set Timers.
- Cold Start Screw Prevention.
- Suck Back.
- Selection Of Screw Diameter
- Nitrided Hardened Screw & Barrel.

# TECHNICAL DATA FOR VERTICAL SCREW TYPE INJECTION MOULDING MACHINE

## INJECTION UNIT

DESCRIPTION	UNIT	RKV - 25		RKV - 25 WIDE		RKV - 35	
Screw Diameter	mm	25	28	25	28	25	28
L/D Ratio	L/D	20 : 01	18 : 01	20 : 01	18 : 01	20 : 01	18 : 01
Injection Rate	c.c. / Sec.	42	50	42	50	42	50
Maximum Swept Volume	c.c.	54	68	61	75	61	75
Shot Capacity	gm / shot	45	60	50	65	50	65
Maximum Injection Pressure	kg / cm <sup>2</sup>	1550	1240	1550	1240	1550	1240
Screw Speed Infinitely Variable	rpm	10 - 270		10 - 270		10 - 270	
Injection Stroke (Suckback)	mm	125		125		125	
Hopper Capacity	ltr.	5		5		5	

## CLAMPING UNIT

Mould Clamping Force	ton	25	35	35
Mould Platen Size	mm	355 x 235	400 x 265	400 x 377
Maximum Area for Die Mounting	mm	240 x 240	285 x 265	275 x 240
Mould Opening Stroke	mm	180	180	210
Minimum Mould Thickness	mm	38 + 76	38 + 100	38 + 100
Maximum Mould Thickness	mm	100 + 195	100 + 195	100 + 195
Maximum Day-Light Opening	mm	475	475	495
Hydraulic Ejection Stroke	mm	50	50	50
Hydraulic Ejector Force	ton	1	1	1

## ELECTRICAL DATA

Electric Motor 3 Phase (1440 rpm)	h.p./kw	3 / 2.25	5 / 3.75	5 / 3.75
Heating Unit Load	h.p./kw	4.5 / 3.5	4.5 / 3.5	4.5 / 3.5
Heating Zones	no.	4	4	4
Installed Total Power	h.p./kw	7.5 / 5.75	9.5 / 7.25	9.5 / 7.25

## GENERAL DATA

Floor Space	mtr x mtr	1 x 1.7	1 x 1.7	1 x 1.7
Weight (Opprox)	ton	1.250	1.750	1.750
Oil Tank Capacity	ltr.	80	80	80
Machine Height	mtr	1.5	1.8	1.8

- All specifications are based on theoretical data.
- Specifications are subject to change without notice.



**R. K. TECHNIQUES**

MFG. OF : INJECTION MOULDING MACHINES

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