



Simran Tools International

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Milling Machines – Vertical

SIMV-1



SIMV-2



SIMV-3



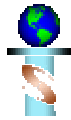
AUTO FINE FEED HEAD



MANUAL FEED HEAD



- ☞ Chrome Plated Precision Ground Quill.
- ☞ Adjustable Micrometer Stop for Quill Depth Setting.
- ☞ Table & Cross Feed Screw Features Double Nuts can Eliminate Backlash.
- ☞ Heavy & Rigid box type Column for vibration free operation.
- ☞ Hardened & ground Alloy Steel spindle for heavy milling operations.
- ☞ Alloy Steel, Hardened gears of headstock in oil bath.
- ☞ All slidways & leadscrews are lubricated by a simple and reliable one shot lubrication that reduce service time.
- ☞ The quill housing is precision bored & ground. The quill chromed & minor furnished to fit each individual quill housing. Such close matching process offers extreme high spindle accuracy.



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DESCRIPTION		SIMV-1	SIMV-2	SIMV-3
TABLE				
Working Surface (L x W)	MM	1067 x 240	1200 x 260	1385 x 280
T-Slots (Width x No. x Pitch)	MM	16 x 3 x 64.5	16 x 3 x 70.5	16 x 3 x 74.5
Table Load	KG	250	600	900
TRAVERSE (Manual)				
Longitudinal (X)	MM	540	750	825
Cross (Y)	MM	230	280	360
Vertical Travel Knee (Z)	MM	300	400	520
Ram Travel	MM	310	430	460
Ram Rotation about Vertical Axis	Deg.	360	360	360
Milling Head				
Spindle Taper		H 30 (or ISO 30 on request)	H 30 (or ISO 30 on request)	H 30 (or ISO 30 on request)
Quill Traverse	MM	120	127	130
Draw Bolt	MM	12 x 1.5	12 x 1.5	12 x 1.5
Motor Power	KW/HP	1.125 / 1.5	1.5 / 2	1.5 / 2
Head Swivel (Left & Right)	Deg.	90 - 0 - 90	90 - 0 - 90	90 - 0 - 90
Towards & Away from Column	Deg.	45 - 0 - 45	45 - 0 - 45	45 - 0 - 45
No. of Speeds		8	8	8
Range & Step of Spindle Speeds		66, 111, 176, 273, 548, 922, 1459, 2262,	66, 111, 176, 273, 548, 922, 1459, 2262,	66, 111, 176, 273, 548, 922, 1459, 2262,
Quill Speed		Manual	Manual	Manual
No. of Power Quill Feed with Auto Fine Feed Head only	MM/rev.	3 0.05 / 0.038 / 0.12	3 0.05 / 0.038 / 0.12	3 0.05 / 0.038 / 0.12
Net Weight	KG	800	1300	1500
Demensions				
Working Space Reqd. (L x W x H)	MM	1130 x 520 x 460	1700 x 1600 x 2290	1880 x 1830 x 2300
In each range the low speed is possible by engaging the back gear while the high speed is through spindle direct drive				

Standard Accessories with Auto Fine Feed Head Machines :

Electrical Motor, Coolent System, Hand Operated One Shot, Lubrication System, One Collect, Electrical Control Panel, Draw Bolt, Set of Service Tools, Machine Lamp

Standard Accessories with Manual Feed Head Machines :

Electrical Motor, Reversal Switch, Draw Bolt, One Collect, Machine Lamp, Set of Service Tools, Hand Operated One Shot, Lubrication System

Optional Accessories :

Clip Tray, Indexing Rotary Table, Horizontal Milling Attachment, Micro Boring Head, Milling Vice, Double Speed Motor

All Specifications are subject to change towards modifications and improvements without any prior notice.