

Vertical and Horizontal Milling Machine

Model Number		M7S	M7V	M7H	M7G
		Step-Pulley	Vari. Spd.	Heavy Duty	Gear
Work Table					
Work Table Size	mm	305x1370	305x1370	305x1370	305x1370
T-Slot (No. x W x Pitch.)	mm/min	3x16x80	3x16x80	3x16x80	3x16x80
Max. Load of Table	kgs	500	500	500	500
X-axis Feedrate	mm/min	0-2000	0-2000	0-2000	0-2000
Y-axis Feedrate	mm/min	0-2000	0-2000	0-2000	0-2000
Z-axis Feedrate	mm/min	1150	1150	1150	1150
X-axis Travel	mm	950	950	950	950
Y-axis Travel	mm	400	400	400	400
Z-axis Travel (Knee)	mm	400	400	400	400
Ram Travel	mm	450	450	450	450
Spindle					
Vertical Spindle Speed	rpm	80-5440 (16steps)	60-3750 (infinity)	60-3620 (10steps)	75-3600 (16 steps)

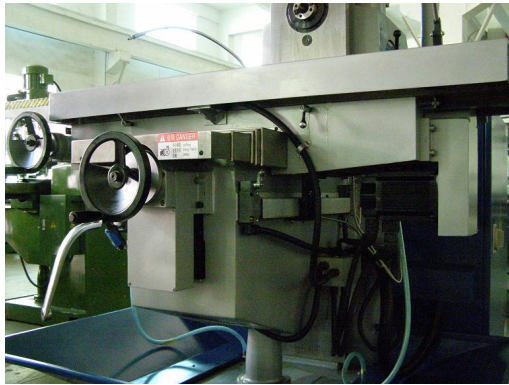
Horizontal Spindle Speed	rpm	60-820 (9 steps)	60-820 (9 steps)	60-820 (9 steps)	60-820 (9 steps)
Spindle Taper		ISO40	ISO40	ISO40	ISO40
Spindle Travel	mm	125	125	150	140
Spindle Feedrate		0.045/ 0.086/ 0.142	0.045/ 0.086/ 0.142	0.05/ 0.10/ 0.15	0.035/ 0.07/ 0.14
Horizontal Motor	kw	4	4	4	4
Vertical Motor	kw	3.75	3.75	3.75	3.75
Quill Diameter	mm	φ105	φ105	φ105	φ110
Angle of Head Movement		±45°	±45°	±45°	±45°
Distance btw. Table & Spindle End	mm	250-700	250-700	250-700	250-700
Distance btw. Column & Spindle Center	mm	180-630	180-630	180-630	180-630
Motor					
X-axis Servo Motor	kw	1.3(Yaskawa)	1.3(Yaskawa)	1.3(Yaskawa)	1.3(Yaskawa)
Y-axis Servo Motor	kw	0.85(Yaskawa)	0.85(Yaskawa)	0.85(Yaskawa)	0.85(Yaskawa)
Z-axis Motor (Knee)	kw	0.75	0.75	0.75	0.75
Coolant Pump	W	90	90	90	90
Oil Pump	W	80	80	80	80
Other					
Machine Dimensions	mm	2200×2140 ×2500	2200×2140 ×2500	2200×2140× 2500	2200×2140× 2500
Machine Weight	kgs	3000	3000	3000	3000



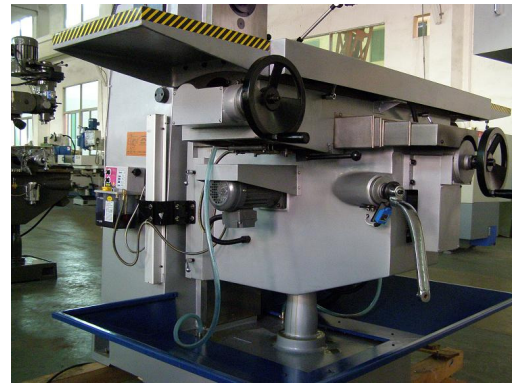
Electrical Cabinet



Far View From The Back



X & Y Servo Motor (Yaskawa)



Rapid Z (Induction Motor) / Auto-Lube Sys.



Side View



Optional DRO / Swing Bar Control Panel



Handle for Horizontal Spindle Speed



Gear Type Vertical ISO40 Milling Head