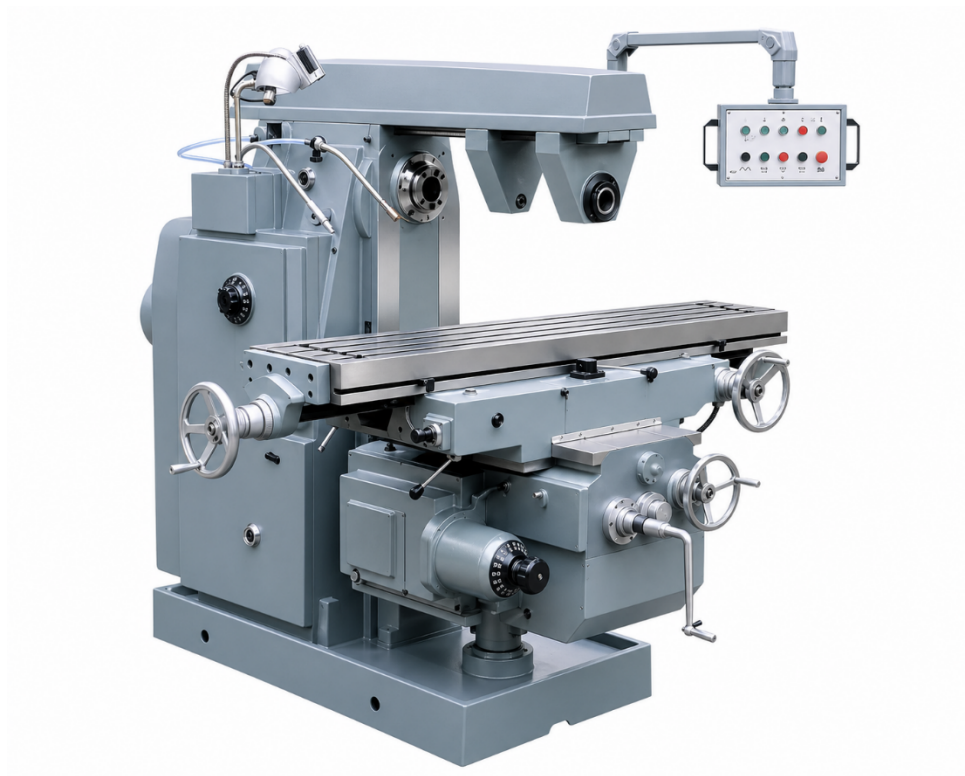


BHARAT MACHINES



UNIVERAL MILLING MACHINE

Technical Specifications

Technical Data Sheet (Model: SM-2)

SPECIFICATION	SM-2
Surface Of Table (MM)	1200 x 275
No. of T-Slots	3
Size of T-Slots	1/2"
Swivel either Side of Table	45°
Cross Traverse (MM)	200
Vertical Traverse (MM)	500
Longitudinal Traverse (MM)	625
Arbour Diameter (MM)	25.4
Taper of Spindle	ISO 40
No. of Spindle Speed	9
Range of Spindle Speed (RPM)	40-700
Spindle Diameter (MM)	80
No. of Feed in Longitudinal Table (Long.)	3
Main Motor Power (HP)	2
Weight (Kgs.)	1300



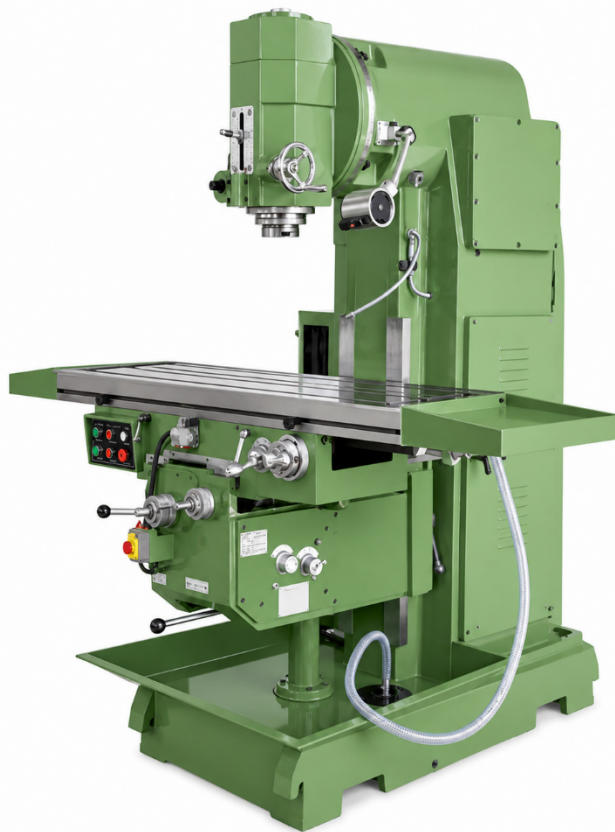
TURRET MILLING MACHINE

Technical Specifications

Technical Data Sheet (Models: M3, M3H, M4, M4A, M4S, M4SA, M5, & M5Z)

Model	M3	M3H	M4	M4A	M4S	M4SA	M5	M5Z
Milling Head	Square	Square	Square	Square	Square	Square	Square	Square
Table Size	1270 x 254mm	1270 x 254mm	1370 x 254mm	1370 x 254mm	1370 x 254mm	1370 x 305mm	1370 x 305mm	1370 x 305mm
T-Slot (No./Size/Distance)	3/16mm/65mm	3/16mm/65mm	3/16mm/65mm	3/16mm/65mm	3/16mm/65mm	3/16mm/65mm	3/16mm/65mm	3/16mm/65mm
Max Load on Table	300 Kgs	300 Kgs	300 Kgs	300 Kgs	300 Kgs	300 Kgs	350 Kgs	350 Kgs
X-Axis Travel	760mm	760mm	860mm	860mm	860mm	860mm	860mm	860mm
Y-Axis Cross Travel	400mm	400mm	400mm	400mm	400mm	400mm	380mm	380mm
Z-Axis Vertical Travel	405mm	500mm	405mm	405mm	405mm	480mm	360mm	360mm
X-Axis Guide Way	▲	▲	▲	▲	▲	▲	▲	▲
Y-Axis Guide Way	▲	▲	▲	—	—	—	—	—
Z-Axis Guide Way	▲	▲	▲	▲	▲	▲	—	—
Ram Travel	510mm	510mm	510mm	580mm	580mm	580mm	580mm	580mm
Spindle Taper	R8(NT30/ NT40- Optional)	R8(NT30/ NT40- Optional)	R8(NT30/ NT40- Optional)	R8(NT30/ NT40- Optional)	R8(NT30/ NT40- Optional)	R8(NT30/ NT40- Optional)	R8(NT30/ NT40- Optional)	R8(NT30/ NT40- Optional)
Spindle Quill Travel	127mm	127mm	127mm	127mm	127mm	127mm	127mm	127mm
Quill Feed	0.04, 0.08, 0.15	0.04, 0.08, 0.15	0.04, 0.08, 0.15	0.04, 0.08, 0.15	0.038, 0.076, 0.20	0.038, 0.076, 0.20	0.038, 0.076, 0.20	0.038, 0.076, 0.20
No. of Spindle Speeds	16	16	16	16	16	16	16	16
Range Of Spindle Speed	80-5440rpm	80-5440rpm	80-5440rpm	80-5440rpm	66-4540rpm	70-3600rpm	66-4540rpm	66-4540rpm
Spindle Nose To Table	70-470mm	70-600mm	70-470mm	70-470mm	70-470mm	70-600mm	70-550mm	70-550mm

Head Tilt	±90° Left & Right ±45° Front & Back	±90° Left & Right ±45° Front & Back	±90° Left & Right ±45° Front & Back	±90° Left & Right ±45° Front & Back	±90° Left & Right ±45° Front & Back	±90° Left & Right ±45° Front & Back	±90° Left & Right ±45° Front & Back	±90° Left & Right ±45° Front & Back
Motor Power	3 HP	3 HP	3 HP	3 HP	3 HP	3 HP	5 HP	5 HP
Motor Power-Z Axis	-	-	-	-	-	-	-	0.5 HP
Weight	1200Kgs	1250Kgs	1250Kgs	1300Kgs	1400Kgs	1425Kgs	1500Kgs	1525Kgs



VERTICAL KNEE TYPE MILLING MACHINE

Technical Specifications

Technical Data Sheet (Models: EVM-1332 & EVM-1536)

Model	EVM-1332	EVM-1536
Table Size	1320x320mm	1500x360mm
Number/Width/Distance of T-Slot	5-14-63mm	3-18-80mm
Max. Load of Table	300kg	300kg
Longitudinal Travel	1000mm	1100mm
Transverse Travel	300mm	300mm
Vertical Travel	400mm	380mm
Cutting Feed Speed (X/Y) mm/min	8/20-360	8/22-555
Cutting Feed Speed (Z) mm/min	1-400	1-590
Rapid Feed Speed (X/Y) mm/min	1200/1200/400	1100/1100/600
Spindle Nose To Table Distance (mm)	35/435mm	60/440mm
Dist. From Spindle Axis to Vertical Guideway	360mm	320mm
Spindle Taper	ISO-50	ISO-50

Spindle Travel	70mm	70mm
Spindle Speed Range	58-1710rpm	60-1700rpm
Spindle Speed Step	12 steps	12 steps
Max. Swivel Angle of Spindle	± 35°	± 35°
Spindle Motor Power	4kw	4kw
Overall Dimension (mm)	2020x1820x1880	2200x1820x1880
Machine Weight	2300kg	2400kg