

BHAMBAR[®]

MILLING MACHINES



Specification of Servo Ram Turret NC Precision Milling Machine

	Model	SRTM500	SRTM650	SRTM800	SRTM900	SRTM1100	Units
1	Table						
1.1	Overall Size (LxW)	1100x300	1300x300	1400x350	1600x350	1800x400	mm
1.2	T-Slot no.-width centre	3-20-70	3-20-70	3-20-80	3-20-90	3-20-100	nos
1.3	T-Slot Width	T Bolt M16	T Bolt M16	T Bolt M16	T bolt 16	T Bolt M16	mm
1.4	Max.safe weight on the table	350	550	800	1000	1300	kgs
2	Movement						
2.1	Feed Screw	Ball/Lead	Ball/Lead	Ball/Lead	Ball/Lead	Ball/Lead	mm pitch
2.2	Longitudinal Travel	500	650	800	900	1100	mm
2.3	Cross Travel	200	235	275	325	500	mm
2.4	Vertical Travel	350	410	500	550	600	mm
2.5	Quill Travel	127	127	127	127	127	mm
2.6	X Axis Rapid Range & Feed Range	1200 0-400	1200 0-400	1200 0-400	1200 0-400	1200 0-400	mm/min
(a)	Y Axis Rapid Range & Feed Range	1200 0-400	1200 0-400	1200 0-400	1200 0-400	1200 0-400	mm/min
(b)	Z Axis Rapid Range & Feed Range	300 0-100	300 0-100	300 0-100	300 0-100	300 0-100	mm/min
(c)	Quill Axis Rapid Range & Feed Range	200 0-50	200 0-50	200 0-50	200 0-50	200 0-50	mm/min
(d)	XYZ Servo Motor Power	1	1.5	2	3	4	kw
2.7	Quill Power Feed Servo Motor	1	1.5	1.5	1.5	1.5	kw
2.8	Vertical Milling Head swiveling left/right	+/-45	+/-45	+/-45	+/-45	+/-45	deg
2.9							

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3.0	Vertical Milling Head Tilt	+/- 25	+/- 25	+/- 25	+/- 25	+/- 25	deg
3.1	Ram Travel (Manual)	350	450	500	550	600	mm
3.2	Ram Rotate	+/-45°	+/-45°	+/-45°	+/-45°	+/-45°	deg
3.3	Spindle nose to table	0-350	0-410	0-500	0-550	0-600	mm
3.4	Spindle nose to column	400	500	600	700	800	mm
4	Spindle						
4.1	Spindle type	Variable Spindle Speed with Induction Motor,VFD & Drives	Variable Spindle Speed with Induction Motor,VFD & Drives	Variable Spindle Speed with Induction Motor,VFD & Drives	Variable Spindle Speed with Induction motor,VFD & drives	Variable Spindle Speed with Induction Motor,VFD & Drives	BBL, Fuji & Schneider
4.2	Spindle taper	ISO40	ISO40	ISO40	ISO40	ISO40	ISO Taper
4.3	Spindle range	90-2200	90-2200	90-2200	90-2200	90-2200	RPM
4.4	Spindle Power Induction Motor	1.5	2	3	3	5	HP
5.1	Position Display	Digital Axis position display for X/Y/Z axis will be provided in touch screen HMI	Digital Axis position display for X/Y/Z axis will be provided in touch screen HMI	Digital Axis position display for X/Y/Z axis will be provided in touch screen HMI	Digital Axis position display for X/Y/Z axis will be provided in touch screen HMI	Digital Axis position display for X/Y/Z axis will be provided in touch screen HMI	Fuji or Fatak
5.2	Display size	7	7	10	10	10	Inch
5.3	Movement control	Electronic Handwheel for linear axis movement MPG	Electronic Handwheel for linear axis movement MPG	Electronic Handwheel for linear axis movement MPG	Electronic Handwheel for linear axis movement MPG	Electronic Handwheel for linear axis movement MPG	Autonics
5.4	Feed & Spindle Control	Auto/Manual or Program based	Auto/Manual or Program based	Auto/Manual or Program based	Auto/Manual or Program based	Auto/Manual or Program based	NA
5.5	Cycle	Store in Memory	Store in Memory	Store in Memory	Store in Memory	Store in Memory	NA
5.6	Coolant control	Built in Base Coolant control switch	Built in Base Coolant control switch	Built in Base Coolant control switch	Built in Base Coolant control switch	Built in Base Coolant control switch	50 Ltrs

		will be provided in HMI	will be provided in HMI	will be provided in HMI	will be provided in HMI	will be provided in HMI	
5.7	Net Weight approx.	1500	1800	2800	3400	4000	Kgs