

S.No	Description	Qty
	<b>CNC Vertical Machining center with swivel Head and Built-in Rotary Table design</b>	01 set
A)	<b>Technical specification</b>	
1	T-Slotted plain table	
	Size=1600x700mm approx. Travel X/Y/Z = 1400x700x700mm approx.	
2	T-Slotted rotary table embedded in center of plain table	
	Outer dia= 600 mm approx. Centre bore dia= 60 mm approx. Table clamping= hydraulic Maximum indexing=0.001° Table rotation (C-Axis) = 360° Maximum rotation speed= 50 Rpm approx Maximum work piece load= 800 kg. approx.	
3	Feed Rates	
	Rapid feed rate x/y/z= 36/36/24 m/min approx Cutting feed rate x/y/z= 1-10000 mm/min approx. Minimum setting = 0.001 mm/min	
4	Built in spindle	
	Spindle taper=SK40 DIN 69871 Spindle speed (variable )= 5-10000 Rpm approx. Spindle motor power= 15 kw approx. Spindle motor make. Fanuc or Heidenhain or Siemen Spindle quill travel (manual) = 100 mm approx.	
5	Swivel Head	
	Tilting range (B-axis)= $\pm 120^\circ$ approx. Maximum speed= 15 rpm approx. Mini8mm indexing=0.001°	
6	<b>Accuracy</b>	
	Positioning x/y/z= $\pm 0.005/300$ mm Positioning B/C axis = $\pm 8$ sec. Repeatability x/y/z = $\pm 0.003$ mm Repeatability B/C axis = $\pm 4$ sec	
7	Power supply Input= 380V, 3Ph, 50Hz	
8	Total electrical load= 40 KVA approx.	
9	Machined weight = 10000 Kg approx.	
10	Machine size (LxWxH)= 4x3x3 meter approx.	
11	<b>CNC Control= Heidenhain or Siemens or Fanuc</b>	
12	Axis motors.	
12.1	X-Axis motor, Y-axis motor, Z=axis motor, B-axis motor, C-axis motor with digital display	
12.2	Axis motors make. Heidenhain or Fanuc or Siemens	
13	<b>Make China (Equivalent To European Standard)</b>	
14	<b>Machine type CNC</b>	

B)	<b>Accessories</b>	
1	Auto lubrication system (installed)	
2	Coolant system (installed)	
3	Coolant through spindle	
4	Hydraulic system (installed)	
5	3-jaws self centering manual chuck dia 300 mm with flange (for rotary table)	01 set
6	MPG hand wheels for manual travel of X,Y,Z, B&C axis (installed)	
7	Tool measuring probe (installed)	01 set
8	Work piece probe.	01 set
9	Mechanical edge indicator	02 set
10	Work lamp (installed)	
11	B-axis rotary encoder (installed)	
12	C-Axis rotary encoder (installed)	
13	Power transformers, Input: 380V, 3PH, 50Hz output. As per machine requirement	
14	Leveling bolts and pads for machine installation	01 set
15	Keyless drill chuck (1-13mm) with holder	01 set
16	Clamping kit	01 set
17	Tool holder locking device	01 set
18	Hand tool kit	01 set
19	Air conditioner for electric cabinet	01 set
20	Collet holder ER-32	01 set
21	Collet holder ER-40	02 set
22	ER collet set (2-20mm) 18 pcs/set	02 set
23	ER collet set (3-26 mm) 23 pcs/set	01 set
C	<b>Spare parts list for 10 years machine operation alongwith unit prices of each part</b>	01 set
D	Machine documents in English (hard copy) Complete set of machine and controller manuals and relevant documents	01 set
E	Pre-shipment Inspection/Training on purchased machine at manufacturer's site by our 03 officials for 10 working days	
F	All quoted accessories should be compatible with machine	
G	Please provide original technical brochure of machine along with quotation.	
H	<b>ATC: Not required</b>	