

Sr. #	Description	Specification	Qty
1	CNC Horizontal Turn Mill	As per attached Annexure-A	01 set
Note	Duly filled check list available at Annexure=B shall be submitted along-with offer		

CNC Horizontal Turn Mill

Sr. #	Description	Unit
1	Origin	Europe, Taiwan, South Korea, Turkey
2	Machine type	Slant Bed type
3	Centre to center distance	900-1500 mm
4	Max. Turning Dia	Ø 250-400 mm
5	Z-axis Travel	900-1400 mm
6	X-axis Travel	200-250 mm
7	C-axis	360°
8	Rapid Traverse X and Z	3 to 8 m / min
9	Chuck Diameter (max)	200 - 250 mm
10	Spindle bore Ø	45 - 60 mm
11	Spindle Speed	0-4000 rpm
12	Turret type	Hydraulic turret
13	Number of Tool positions in turret	12 positions
14	Axial Milling Unit VDI-30 / VDI - 40	3 Nos. (ER-32 / ER-25)
15	Vertical Milling Unit VDI-30 / VDI - 40	3 Nos. (ER-32 / ER-25)
16	Angular Milling Unit VDI-30 / VDI - 40	2 Nos. (ER-32 / ER-25)
17	Turning Tool Holer (Complete)	8 - 50 mm
18	Tail Stock Taper	MT3
19	Tail Stock Quill Ø	50-80 mm
20	Tail Stock Quill Stroke	150-200 mm
21	Spindle Motor	11/15 kw
22	Steady rest	Yes
23	Follow Steady	clampin Dia: Ø 5-8 mm Min. and 130~180 mm Max.
24	Transformer	Yes
25	Electric requirement	3 Phase, 380 V, 60 Hz
26	Coolant Tank	Yes
27	Controller	FANUC (Latest version)
28	Control	Components with CE mark
29	Serial Interfaces (V.24)	Two RS 232C
30	Display	10.4" - 15" TFT colour display
31	Hand Wheel	Yes
32	USB Interface	Yes
33	Fast Ethernet interface	Yes
34	Full Enclosure	Yes
35	Door Interlock	Yes
36	Work light	Yes
37	Foot Switch	Yes
38	Chip Conveyor	Chain type with trolley
39	Ranishaw probes for Tool measurement	
40	Spare parts for 1 years operation of machine and CNC controller	
41	Programming, Operation, Maintenance & Electrical and CNC Control Manuals(English) 1 sets hard copy and 1 soft copy on CD/DVD	
42	Inspection of Machine According to Geometric, Laser, QC Ball Bar & NAS Tests at Manufacturer site.	
43	Training (Operation, Programming and Maintenance)	

Terms and conditions

- Comparison Chart between required and quoted specifications of machine must be provided.
- Clearly mention features which are STANDARD, OPTIONAL or are NOT AVAILABLE.
- Detailed brochure of machine must be provided along with quotation.
- The information in the quotation must be provided as per indent.

Questionnaire for CNC Horizontal Turn Mill

Sr. #	Description	Required specification	Quoted specifications*
1	Origin	Europe, Taiwan, South Korea, Turkey	
2	Machine type	Slant Bed type	
3	Centre to centre distance	900-1500 mm	
4	Max. Turning Dia	Ø 250-400 mm	
5	Z-axis Travel	900-1400 mm	
6	X-axis Travel	200-250 mm	
7	C-axis	360°	
8	Rapid Traverse X and Z	3 to 8 m / min	
9	Chuck Diameter (max)	200 - 250 mm	
10	Spindle bore Ø	45 - 60 mm	
11	Spindle Speed	0-4000 rpm	
12	Turret type	Hydraulic turret	
13	Number of Tool positions in turret	12 positions	
14	Axial Milling Unit VDI-30 / VDI - 40	3 Nos. (ER-32 / ER-25)	
15	Vertical Milling Unit VDI-30 / VDI - 40	3 Nos. (ER-32 / ER-25)	
16	Angular Milling Unit VDI-30 / VDI - 40	2 Nos. (ER-32 / ER-25)	
17	Turning Tool Holer (Complete)	8 - 50 mm	
18	Tail Stock Taper	MT3 - MT5	
19	Tail Stock Quill Ø	50-80 mm	
20	Tail Stock Quill Stroke	150-200 mm	
21	Spindle Motor	11/15 kW	
22	Steady rest	Yes	
23	Follower Steady	clamping Dia: Ø 5-8 mm Min. and 130-180 mm Max.	
24	Transformer	Yes	
25	Electric requirement	3 Phase, 380 V, 60 Hz	
26	Coolant Tank	Yes	
27	Controller	FANUC (Latest version)	
28	Control	Components with CE mark	
29	Serial Interfaces (V.24)	Two RS 232C	
30	Display	10.4" - 15" TFT colour display	
31	Hand Wheel	Yes	
32	USB Interface	Yes	
33	Fast Ethernet interface	Yes	
34	Full Enclosure	Yes	
35	Door Interlock	Yes	
36	Work light	Yes	
37	Foot Switch	Yes	
38	Chip Conveyor	Chain type with trolley	
39	Renishaw probes for Tool measurement	Yes	
40	Spare parts for 1 years operation of machine and CNC controller recommended by Machine Manufacturer (must be quoted separately with price)		
41	Programming, Operation, Maintenance & Electrical and CNC Control Manuals (English) 1 sets hard copy and 1 soft copy on CD/DVD.		
42	Pre-shipment Inspection / Training of Machine at Manufacturer site. (Inspection according to Geometric and Laser Tests)		

* must be filled with value or Yes/No