



STUDENTS' GYMKHANA
SCIENCE AND TECHNOLOGY COUNCIL

CORRIGENDUM

Tender 'The Purchase of 5-axis CNC Machine' having reference No. IITK/GYM/2024/SS//2023637

Bid submission end date and time was 15/07/2024 in the original tender. The new Bid submission end date and time is 25/11/24.

Bid opening date was 17/06/2024 in the original tender. The corrected bid opening date is 26/11/24.

Please ignore the technical specifications in the main tender document. The correct complete technical specifications are as follows

5 Axis (4+1) CNC Vertical Machining Center

Travel:

1. X axis: 1300 mm
2. Z axis: 700 mm
3. Track Type: LM Roller Guideways

Feed Rate (Rapid):

1. X axis: 36m/min
2. Y axis: 36m/min
3. Z axis: 36m/min

Feed Rate (Cutting):

1. X axis: 1-10,000 mm/min
2. Y axis: 1-10,000 mm/min
3. Z axis: 1-10,000 mm/min

Spindle:

1. Spindle Speed: 8000 rpm
2. Power: 11/15 KW
3. Transmission Type: Belt Type

Machine Table:

1. Table Size: 1450 mm x 640 mm
2. TT Slot: 5 x 18 x 140 mm
3. Maximum Load on Table: 1500 kg

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Lubrication System:

1. Lubrication Type: Automatic

CNC Control, Servo Drivers & Servo Motor:

1. Fanuc Oi-MF Plus
2. AC Servo motors for 5 Axis & Spindle
3. All Servo motors should be from same Controller manufacturer

Coolant System and Chip Tray:

1. Coolant System: with Head /Ring coolant System for cooling jobs while machining
2. Chip tray front chip removing

Accessories:

1. 24 tool ATC
2. Linear Glass scale encoder for X, Y, Z Axis as per requirement. Make: HEIDENHAIN
3. Coolant Gun (Quantity=1)
4. Air Gun (Quantity=1)
5. Work light
6. Signal lamp
7. Tool box
8. A/C unit for electrical panel AC
9. Transformer
10. Remote hand wheel
11. Spindle air blast
12. Head coolant system
13. Rigid tapping
14. Mastercam post process CAM software for 5 axis machine (Single user license)
15. Tilting Rotary table ULSR 200Q - TNRP - UCAM. Make with motor drive and cable preparation and manual 3 jaw chuck - 150mm diameter

Optional Accessories:

1. Tool setting Probe (Make: BLUM) ZX speed - TOOL LENGTH & RADIUS SYSTEM: (Quantity=1)
2. Work offset setting system: BLUM TC50: (Quantity=1)

Essential Tool Holders:

1. BBT40 collect chuck with ER40 Collets range 4-25mm in 1 mm increment: (Quantity=4)

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2. BBT40 Collect chuck with ER16 Collets range 1-10mm, (10pcs/sét): (Quantity=2)
3. BB40 ER 16 Collet holder with 100 length: (Quantity=2)
4. BBT40 Face mill holder dia. 22 mm: (Quantity=1)
5. BBT40 Face mill holder dia. 32 mm: (Quantity=1)
6. BBT40 Collet holder ER40: (Quantity=2)
7. BBT40 Collet holder ER32: (Quantity=2)
8. BBT40 Collet holder ER16: (Quantity=2)
9. BBT40 Collet holder ER11: (Quantity=2)
10. Integrated type Keyless drill chuck INT-13-BT-40: (Quantity=1)
11. Pull Stud: (Quantity=24)
12. Tool holder locking stand: (Quantity=1)
13. Clamping kit for job clamping on table: (Quantity=1)
14. Collet Set: (Quantity=1)

Additional Tools:

1. Universal angle head BT40: Colette range 2.4 to 10 mm and 5.8 to 20 mm