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Product Name :	**Product Code :**
Premium CNC Vertical Machining With High Precision, Solid Design and Efficient	MU848

Description :

Premium CNC Vertical Machining With High Precision, Solid Design and Efficient

Technical Specification :

Table size:
Length: 1000-1100 mm
Width: 300–350 mm
Load carrying capacity of the table: 250 – 300 kg
Distance from floor to table top: 900- 1000 mm
Spindle taper: ISO 40
Spindle speed: 100 – 6000 rpm
Spindle motor power: 4/6 kW
Feed rapid traverse(X, Y, Z): 10/10/5m/min
Cutting feed: 1-5000 mm/min
X axis stroke: 750 – 800 mm
Y axis stroke: 300 – 350 mm
Z axis stroke: 350 – 400 mm
Distance from table top to spindle face: Min.75–475 mm
No. of Tools: 10 or more
Tool change system: Armless drum type
Tool dia. Recommended: 70 – 80 mm
Tool length to be accommodated: 200 mm
Tool weight permitted: 5.5 – 6 kg

Accuracy of Positioning: ±0.01 or better
Accuracy of Repeatability: ±0.005 or better
Machine width: 2300 -2600 mm
Machine depth: 2000 – 2200 mm
Machine height: 2500 – 2600 mm
Connected load: 10 kVA
Mounting position: Vertical
CNC system preferred:
Non-proprietary standard controller (e.g. latest versions of Fanuc, Siemens, Heindenhein etc.) with easy to procure post-processors for standard CAM software's that will be used for programming; open architecture based controller is preferred
Capable of 3 axes switchable simultaneous control
Machine has in-built MTCONNECT compatibility
Standard Features Required With The Machine
AC SERVO Axis Drives and controls.
AC Spindle Drive.
High Precision Linear Motion Guide ways.
High precision preloaded ball screws for the two axes.
Continuous Feedback through Absolute Encoder.
Auto tool clamping / De clamping with Auto checking of clamping.
Directly connected axes motors with flexible couples.
Automatic tool changer – PNEUMATIC type.
Telescopic covers and wipers over the guide ways and ball screws.
Full machine guard.
Manual pulse generator.
Auto & Programmable coolant system.
Standard ISO code programming with canned cycles
Program memory is at least 20 GB; RAM is at least 2 GB; Hard disk drive is at least 60 GB.
RS232 serial port interface & 3 USB port
Maintenance tool kit.
Electronic counter balance system using servo brake motor or hydraulic counter balancing system with accumulator.
Controlled temperature, humidity & dust free electronics enclosures.
Electrical cabinet 380V/ 50 Hz with Air Conditioning unit.
Electronic hand wheel (MPG).
Machine foundation bolts and levelling pads to be supplied
Machine maintenance and operation manual two sets required
Machine lamp
Tower lamp for cycle indication.
Isolation transformer.
Ethernet cable: 5 – 8 m.
Essential Accessories Required With The Supply Of Machine
4th Axis drive and cable for rotary table
Clamping kit (inclusive of T- nuts, studs, height adjusting blocks, nuts etc;)
Flood Coolant system (120 liters/minute/1 bar).
Oil Skimmer.

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