

CNC MILL TRAINER

Required Features of CNC Mill Trainer :-

- Sturdy & Rigid Mechanical Design with Finite Element Analysis
- Precision Ground Ball Screw
- Variable Speed DC drive for spindle
- Constant surface cutting speed is possible
- Slides Harder and Ground
- Wear resistant Turcite Material is provided on beds.
- Scaling, Circular interpolation is possible
- Part programming with ISO standard codes
- Detail Electrical circuit diagram
- Easy maintenance possible with easily replaceable spare card
- Details courseware and manual
- Various Canned cycles are provided
- Power supply :- 230V, 50Hz
- Safety Functions with emergency stop
- Powerful graphics
- Manual quick change tool holder with collet

Specifications :-

Axes Travel -

- Longitudinal Transverse : 200 mm
- Cross Transverse : 140 mm
- Vertical Transverse : 125 mm

Controller -

- Type of Control System : PC Based system, Simultaneous 3 Axes control
- Main spindle Drive : D.C. Thyristor Drive, inbuilt safety
- X,Y & Z axis drive : Stepeer motor Drive
- Input to stepeer Motor Drive : Optically isolated TTL compatible
- Interpolation : Linear, Circular, Parabolic
- Code used : G,M,S,T,F,I,J,K,,M,F.
- Cycles : Circular interpolation,Mirror, Pocket milling cycle
- Pocket & helical Milling : Provided
- Job Scaling facility & Canned Cycle : Provided

Spindle –

- Spindle speed : Continuous variable speed
- Spindle Power : 1 HP
- Inside Taper : ISO 30
- Speed Range : 100 to 3000 rpm

Table –

- Table size : 450 x 175 mm
- Clamping area : 360 x 130 mm
- T slots : 10 mm slot width

Machine Parameter –

- Resolution : 5 micron
- Feed Rate : 1 – 500 mm/min
- Accuracy : 5 micron
- Rapid Travel : 0 to 700 mm/min
- Tool Change : Quick change, Manual
- Centerline to Column : 140 mm
- Dimension : 850 x 800 x 1600 mm
- Weight : 550 Kg.

Accessories –

- Coolant system with chip tray
- Machine splash guard
- Voltage stabilizer
- Service tool kit, Spanner & Allen Keys
- Machine Lamp
- Training VCD
- Project Book

Support Controller Files :-

- Fanuc
- Siemens

Software Features –

- Rapid Collision detection
- Online 3D Facility
- Dynamic Zoom/Pan/Rotation
- Measurement Facility
- Trace Forward/Backward
- Cross section display
- Display Tool path & Printout Facility
- Machine Time measurement