



3D Technologies

Manufacturers of CNC and Automation Systems

Technologies

Plot No. 56, Industrial Area, Phase 9, Mohali-160062, Punjab.

Specifications of CNC Trainer Milling – HEM12

CNC Controller	HUST CNC Controller H4P-M with Panasonic Servo System
Type of Control System	Industrial CNC Controller with provision to connect to PC
Tool Path Simulation	Provided
Input System	Metric/Inch
Backlash compensation	Provided
Table Size	700 x 200mm
Travel X Axis	300 mm
Travel Y Axis	250 mm
Travel Z Axis	200 mm
Spindle to Table Distance	150 to 350 mm
Spindle to Column Distance	250mm
Spindle Nose Taper	BT30
Programmable Spindle Speed	100-2800rpm
X, Y, Z Axis speed	0-5000mm/min
Spindle Motor	2 H.P AC Motor with VFD
Programmable Dwell (Seconds)	Provided
Resolution	0.001mm
Axis Rapid Rate	5 meter/min
Automatic Tool Changer	Optional (At extra Cost)
Machine Vice	100 mm opening, 1 Number
Automatic Lubrication Pump	Provided
Installation & Maintenance Manual	1 Number
Operation Manual	1 Number
Clamping Kit set	1 Number
2 Lipped carbide Slot mill Cutter	Shank 20 mm, 1 Number
H.S.S Cutter	Shank 5 mm, 2 Number
Collets size 5mm and 20 mm	1 each

General Parameters

CAD CAM Compatibility Provided

Machine can be linked to PC

Variable frequency drives are used for AC Spindle Motor

Linear and Circular Interpolation Possible

Displays actual feed rate, spindle Speed in execution & simulation mode.

Safety Functions with Emergency Stop, over Travel Limits are provided

Alarm and Self diagnostic are provided