

Product Name :
CNC Milling Machine XL

Product Code :
NLAB-MECHANICALAB150003



Description :

CNC Milling Machine XL

Technical Specification :

The CNC machines can exist in virtually any of the forms of manual machinery. The most advanced CNC milling-machines, the multiaxis machine, add two more axes in addition to the three normal axes (XYZ). The fifth axis (B axis) controls the tilt of the tool itself. When all of these axes are used in conjunction with each other, extremely complicated geometries, even organic geometries such as a human head can be made with relative ease with these machines. But the skill to program such geometries is beyond that of most operators. Therefore, 5-axis milling machines are practically always programmed with CAM.

Specification:

- 01).** Max. drilling capacity : max. 20mm
- 02).** Face milling capacity (Max.) : max. 63mm
- 03).** End milling capacity (Max.) : max. 20mm

- 04).** Spindle travel manually : 185mm
- 05).** Spindle taper : MT2/MT10
- 06).** Spindle speed : 90-3000rpm
- 07).** Sleeve travel : 50mm
- 08).** T-slot size/Distance/Number : 12mm/63mm/3
- 09).** Working table size : 700x180mm
- 10).** Z travel : 270mm
- 11).** Y travel : 159mm
- 12).** X travel : 480mm
- 13).** Rate of feed Z axis : 2000mm/min
- 14).** Rate of feed Y axis : 3000mm/min
- 15).** Rate of feed X axis : 3000mm/min
- 16).** Positioning accuracy : $\pm 0.025/300\text{mm}$
- 17).** Repeatability positioning accuracy : $\pm 0.01\text{mm}$
- 18).** Motor power : 850W/230V~50Hz
- 19).** Coolant pump : 40W
- 20).** Packing size : 1800x1020x1950mm

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