

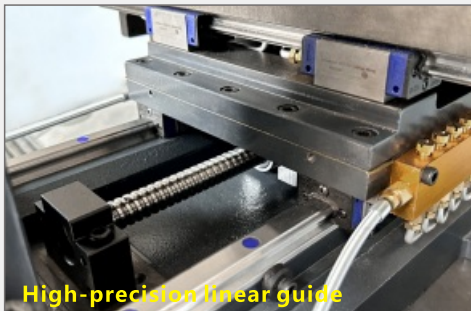
Small CNC Milling Machine (Product No: MX220)



Shown with not available with flood coolant ATC model



The brand new MX220 is a powerful mini CNC machine, affordable, and easy-to-use, easy to operate, very stable, and requires very little maintenance. Using a single-phase power, without the need for expensive industrial three-phase power. Higher performance 5 axis milling CNC control, support rotation tool center point (RTCP), support multi language interface display, the standard spec includes MPG hand wheel. Selection of high-quality casting materials, High-precision linear guide and ballscrews, standard is 3 axis CNC milling machine, optional 4th axis or 5th axis (adopt harmonic reducer), with totally enclosed high visibility interlocking guard. The MX220 has a more powerful, higher speed spindle (24000rpm) for heavy duty cutting or router cutting. Now available with the option of automatic tool change system (ATC), flood coolant with industrial cabinet base and automatic aligning instrument. Programmable spindle speeds and feedrates make the MX220 ideal for cutting a range of resistant materials such as free cutting alloys, aluminium, steel, plastic, acrylic. Suitable for all levels of education and training or DIY workshop.



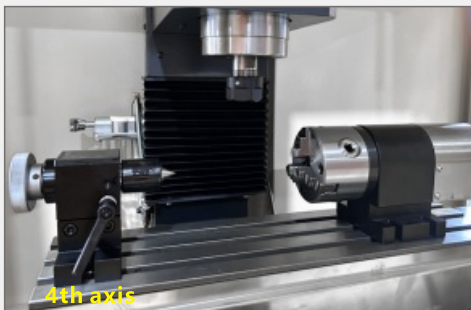
High-precision linear guide



Lubrication System



Cabinet Base



4th axis



5th axis



NEW 5 AXIS CNC CNC control

Optional color ,cabinet base and ATC

NB The Cabinet Base model comes complete with Flood Coolant



Recommended software programs

Such as MasterCAM、UG、 Fusion360, SolidWorks, ArtCAM software is required

Optional Accessories



Edge Finder

Clamping Kit

Quick Vice



Carbide End Mill

HSS End Mill

HSS Ball-End Mill



Z Axis Tool Setter

4th Axis and Tail Stock

5 Axis Rotary Table

As Standard With

| | |
|------------------------|----------|
| T nut | M10x2 |
| Inner Hexagon Wrench | S=3 |
| Inner Hexagon Wrench | S=4 |
| Inner Hexagon Wrench | S=5 |
| Inner Hexagon Wrench | S=6 |
| Two-head Wrench | S=10/10 |
| Two-head Wrench | S=14/17 |
| Two-head Wrench | S=18/21 |
| Plastic Oiler | 1 Piece |
| Hook Wrench Head | S=30 |
| Turn-angle flat pliers | 80mm |
| Milling cutter | Φ4 + φ8 |
| Twist drill | φ3.3 |
| Mat | φ10*30*2 |
| Bolt | M10*25 |
| Machine Manual | 1 Piece |
| Controller Manual | 1 Piece |
| U Disk | 1 Piece |
| Side Door Key | 2 Pieces |
| Test Report | 1 Piece |



Technical Parameters

| | | | |
|--------|---|-------------------------------|---------------|
| 1 | Positioning accuracy | 0.02mm | |
| 2 | Repeatability accuracy | 0.01mm | |
| 3 | X axis travel | 230mm | |
| 4 | Y axis travel | 130mm | |
| 5 | Z axis travel | 220mm | |
| 6 | Options 5th axis | Backlash | Zero Backlash |
| | | Max Speed 4th axis | 4/R.P.M |
| | | Max Speed 5th axis | 6/R.P.M |
| | | Accuracy 4th axis | ±1 arc-min |
| | | Accuracy 5th axis | ±1 arc-min |
| | | Repeatability 4th axis | 20 arc-sec |
| | | Repeatability 5th axis | 20 arc-sec |
| | | Homing | B axis |
| | | Limits | +C, -C |
| Travel | B axis: +30° to -125°, C axis: ±infinity | | |
| | B axis Output Flange Diameter | 110mm | |
| 7 | Tool DIA. range | 2-12mm | |
| 8 | Control system | KY1000MC CNC Controller | |
| 9 | Motor Type | Stepper Motor | |
| 10 | MPG hand wheel | 5 axis | |
| 11 | Spindle motor | 2.2kw | |
| 12 | Spindle speed | 24000r/min | |
| 13 | The max moving speed | 2000mm/min | |
| 14 | Options automatic tool change system(ATC) | 6 Tools / ISO20 spindle taper | |
| 15 | Transmission | ball screw | |
| 16 | Guide rail | High-precision linear guide | |
| 17 | Table size | 460*130mm | |
| 18 | Max. Load | 30kg | |
| 19 | Table structure | Full cast iron | |
| 20 | Power | 220VAC / 110VAC | |
| 21 | Weight(NW/GW) | 180kg/220kg | |
| 22 | Overall dimension | 930×650×920mm | |
| 23 | Packing size | 970*850*1400mm | |