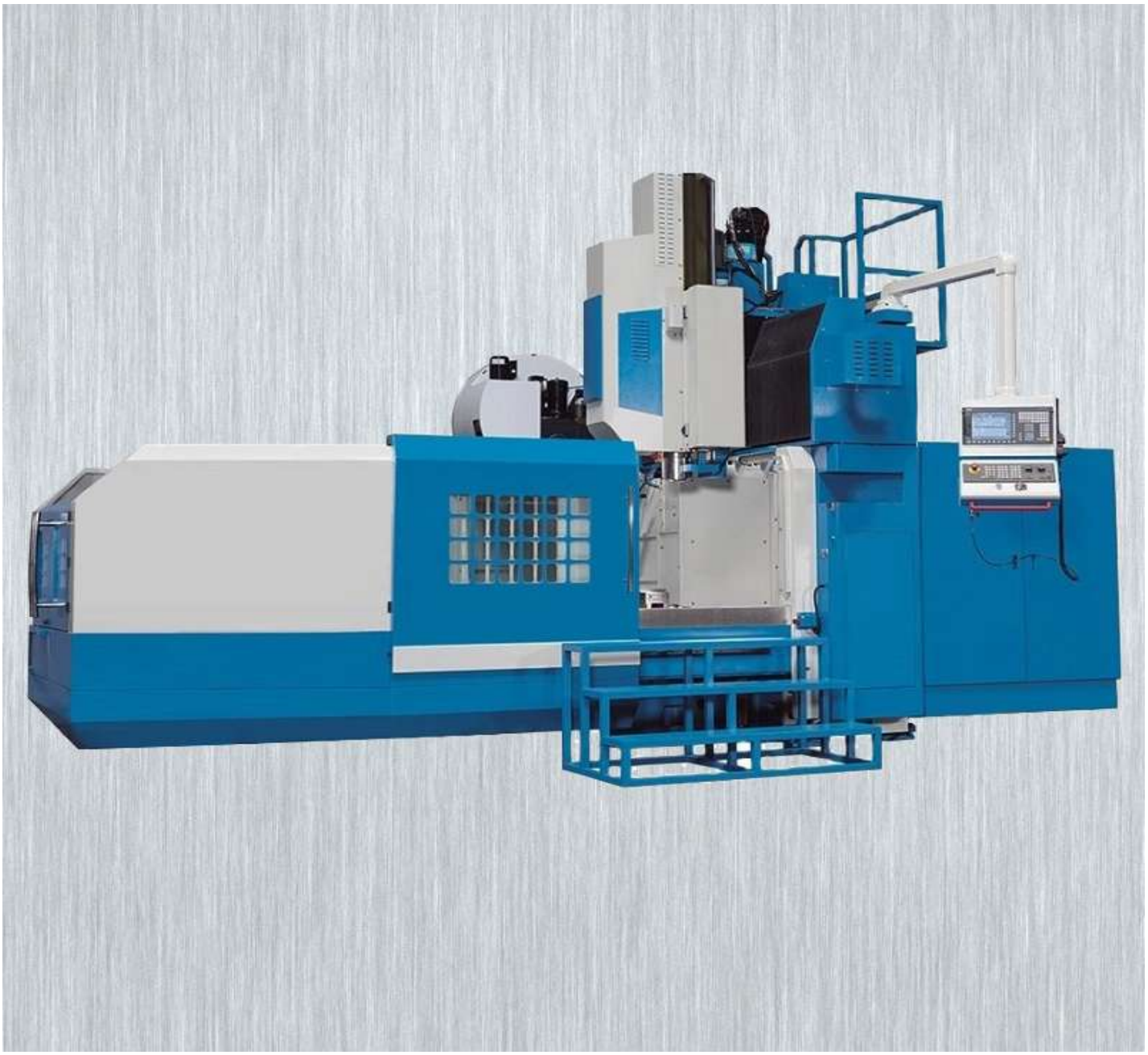
Heavy Duty Double-Column CNC Gantry Type Milling Machining Center is Perfect for Outstanding Rigidity and Stability



This kind of MM-FP4022 is the High Precision Double-Column CNC Portal Milling Machine with Fixed Gantry and Movable Working Table is ideal for Heavy-duty Machining. Such Highly Productive CNC Gantry Type Milling Machining Center with Working Table 4000X1800 mm and Maximum Work-piece Load Capacity 12 Tons which is from MAXNOVO MACHINE with CE Safety Certification.

Main Feature :

Excellent Precision, Solid Design, Effectiveness and Efficiency

- **Movable Work Table and Fixed Gantry allow Machining of Large Heavy Work-pieces**
- **Double-Column Structure Ensures Stable Precision and Rigidity**
- Rigid Work Table 4000 X 1800 mm and Maximum Loading Capacity 12 Tons
- Maximum Travel for X-/Y-/Z-axis is 4200 /2500 /1000 mm
- Roller Type Linear Guides in X-/Y-axis and Rectangular Guides in Z-axis ensures precision
- Perfect Structures and Rugged Design Guarantee best Rigidity and Stability
- All Guide Rails are Tempered and Ground (HRC 50)
- Double Column Structure ideal for Heavy-duty Machining and Maintains Good Rigidity
- Large Sliding Doors in the machine enclosure for great accessibility and easy tooling
- Combination of Linear Guides and Box Way ensures Long Service Life and Excellent Rigidity
- Larger Working Area
- Rigid Fixed Portal
- Higher Workpiece Weight
- Quick-action Tool Changer
- Generously dimensioned Guides on the X, Y and Z axes
- The X- and Y-axis are equipped with Roller Linear Guides so that these axes can move with the highest precision even at high speed
- The Highest Machining Accuracy and High Damping due to wide Box way guides of the Z-axes for high machining performance with high spindle output torque
- Hardened and Precision Ground Ball Screws Mounted in high precision bearings in all three axes for high rapid traverse speeds
- High quality MEEHANITE cast iron for main components - machine bed, worktable, column and etc
- 24-Station Automatic Tool Changer is included
- FANUC and SIEMENS CNC Control System is Optional
- Certificate of Original (CO, FORM A, FORM E, FORM F)

Heavy Duty Double-Column Structure and Rugged Design Guarantee the Excellent Precision, Rigidity and Stability





Technical Data :

Product Name :	Heavy Duty CNC Gantry Type Milling Machining Center
Product Item :	MM- FP 4022
Guide-way Type :	Roller Type Linear Guides for X-axis and Y-axis Box Guide-ways for Z-axis
Control System :	FANUC Oi-MF
Working Area	
Table Size :	4000 X 1800 mm
Maximum Load Capacity of Table :	12000 KGS
Max. Travel of X-axis :	4200 mm
Max. Travel of Y-axis :	2500 mm
Max. Travel of Z-axis :	1000 mm
Distance from Spindle nose to Table surface :	200 — 1200 mm
Distance Between Stand Columns :	2200 mm
T-slot Size (No./width/spacing) :	9 pieces X 28 X 180 mm
Headstock	
Spindle Taper :	BT 50
Spindle Speed :	6000 RPM
Tool Changer	
Tool Changer Type :	Disc Type ATC
Number of Tool Stations :	24 Tools
Feed Speed	
Rapid Feed of X-axis :	12000 mm/min
Rapid Feed of Y-axis :	12000 mm/min
Rapid Feed of Z-axis :	10000 mm/min
Work Feed Speed (X-/Y-/Z-axis) :	8000 / 8000 / 8000 mm/min
Accuracy	
Positioning Accuracy :	± 0.005 mm
Repeatability Accuracy :	± 0.005 mm
Drive Capacity	
Main Motor :	22 KW
Gross Weight :	35810 KGS
Machine Size :	10500 X 5250 X 5350 mm
Standard Accessory :	FANUC Oi-MF CNC Control System, Chip Conveyor, 24-station Automatic Tool Changer, Coolant system, Work Lamp, Tools and Toolbox