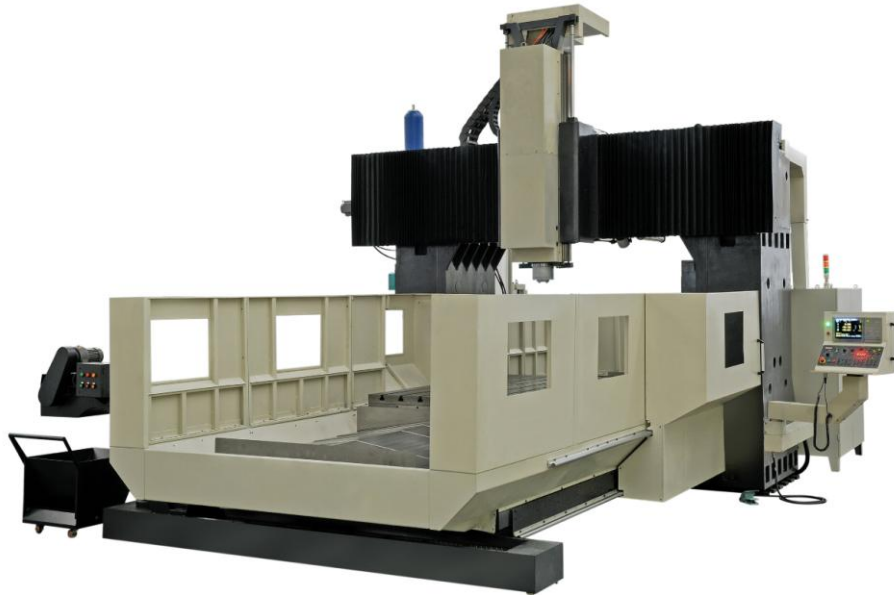


# CLEVELAND

## *Double Column Machining Center MODEL: D2204*



### **MACHINE FEATURES**

- **FANUC CONTROL SYSTEM 21i-MB**
- **22HP Spindle Motor, BT50 Spindle Taper**
- **ATC 30 / 40 pcs (opt.)**
- **4,500 rpm spindle speed with spindle oil cooler**
- Roller linier guide way
- Double nut precision ball screws hardened & ground for high accuracy and long lasting
- FC30 Meehanite Casting main frame with annealed & stress relieved for long term reliability
- 100% Laser tested for positioning accuracy & repeatability
- Telescopic steel way covers on all three axes
- Extend head
- Coolant System and air blast system & Tool box & Tools
- Central lubrication system
- Built-in Quartz work light
- 90° angle milling head (manual) (opt.)
- Rigid tapping(opt.)

### **Specification:**

Table:	70" x 157" (1800 x 4000 mm)
Longitudinal travel (X-axis):	165" (4200 mm)
Cross travel:	86" (2200 mm)
Vertical travel:	39" (1000 mm)
Spindle nose to table top (D):	10"-49.2" (250-1,250 mm)
Load capacity:	30,800 lbs (14000 Kgs)
Spindle taper:	BT50
Spindle Speed (r. p.m.):	60-4500 rpm
Transmission of spindle & motor:	Belts
Spindle center to column front surface:	
Distant between columns:	86" (2200mm)
T-Slot:	9*0.86"*7" (9~22*180mm)

### **Feed Rate:**

Rapid feed rate:  
Cutting feed rate:

X/Y/Z: 472 ipm  
1-393 ipm

**Motor:**

Spindle motor/max torque:  
Feed motors on XYZ:  
Coolant pump  
Lubrication pump:  
Power requirement:

22/ 18.5KW/30 min / continued  
7/6/7 KW  
  
50 KVA, 3 Phase 208-230 voltage

**Automatic Tool Changer [Option]**

No. of tools:  
Max. tool diameter:  
Max. tool length:  
Max. tool weight:

30/40  
4.9" (125 mm)  
13.7"(350mm)  
39 lb (18 Kg)

Length X Width X Height (LXWXH):  
Net Weight:

103,485 lbs. (47000 Kgs)

**STANDARD ACCESSORIES:**

High pressure automatic lubrication system	Fully enclosed guarding	Screw type chip conveyor (on both side)
Chain type chip conveyor and chip tray	Coolant pump and water tank	Spindle coolant system
Z-axis oil pressure balance system	air blasting	Working lamp and Operation light
Automatic power off system	Electrical hand wheel	Precision inspect chart
RS-232 connector	Leveling screws and pads	Tool box, electric circuit diagram and manual

**Additional Accessories information:**

Power requirement	80 KVA, 3 Phase 208-230 voltage
Air requirement	90 - 100 psi
Type of oil for Way oil / oil chiller / pneumatic oil	Mobil Vactra #2 / Shell Tellus 32 / Air tool oil
Coolant capacity	

*\*\* WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE \*\**

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